



Cisco Nexus 9000 ACI-Mode Switch Supported Standards

[Cisco Nexus 9000 ACI-Mode Switch Supported Standards, Release 12.x](#) 2

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This table lists the IEEE compliance standards.

Table 1: IEEE Compliance Standards

Standard	Description
802.1D	MAC Bridges
802.3ad	Link aggregation with LACP
802.3ab	1000Base-T (10/100/1000 Ethernet over copper)
802.3ae	10-Gigabit Ethernet
802.1Q	VLAN Tagging
802.1p	Class of Service Tagging for Ethernet frames

This table lists the RFC compliance standards.

Table 2: RFC Compliance Standards

Standard	Description
BGP	
RFC 1997	BGP Communities Attribute
RFC 2385	Protection of BGP Sessions via the TCP MD5 Signature Option
RFC 2439	BGP Route flap damping
RFC 2519	A Framework for Inter-Domain Route Aggregation
RFC 2858	Multiprotocol Extensions for BGP-4
RFC 3392	Capabilities Advertisement with BGP-4
RFC 4271	BGP version 4

Standard	Description
RFC 4273	BGP4 MIB - Definitions of Managed Objects for BGP-4 (Partially supported)
RFC 4456	BGP Route reflection
RFC 4486	Subcodes for BGP cease notification message
RFC 4724	Graceful Restart Mechanism for BGP (Partially supported. Only Graceful Helper Mode supported.)
RFC 4893	BGP Support for Four-octet AS Number Space
ietf-draft	Bestpath transition avoidance (draft-ietf-idr-avoid-transition-05.txt)
ietf-draft	Peer table objects (draft-ietf-idr-bgp4-mib-15.txt) (Partially supported.)
ietf-draft	Dynamic Capability (draft-ietf-idr-dynamic-cap-03.txt)
OSPF	
RFC 2370	OSPF Opaque LSA Option
RFC 2328	OSPF Version 2
RFC 2740	OSPF for IPv6 (OSPF version 3)
RFC 3101	OSPF Not-So-Stubby-Area (NSSA) Option
RFC 3137	OSPF Stub Router Advertisement
RFC 3509	Alternative Implementations of OSPF Area Border Routers
RFC 3623	Graceful OSPF Restart (Only Graceful Helper Mode supported)
RFC 4750	OSPF Version 2 MIB

Standard	Description
IP Services	
RFC 768	UDP
RFC 783	TFTP
RFC 791	IP
RFC 792	ICMP
RFC 793	TCP
RFC 826	ARP
RFC 854	Telnet
RFC 959	FTP
RFC 1027	Proxy ARP
RFC 1305	NTP v3
RFC 1519	CIDR
RFC 1542	BootP relay
RFC 1591	DNS client
RFC 1812	IPv4 routers
RFC 2131	DHCP Helper
RFC 2338	VRRP
IP-Multicast	
RFC 2236	Internet Group Management Protocol, Version 2
RFC 3376	Internet Group Management Protocol, Version 3
RFC 4601	ASM - Sparse Mode (PIM-SM): Protocol Specification (Revised)
RFC 4607	Source-Specific Multicast for IP
RFC 6187	X.509v3 Certificates for Secure Shell Authentication



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