



Platform and Protocol Compatibility for Unified SRST, Unified E-SRST, and Unified Secure SRST

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Overview

Conventions

Platform and Protocol Support for Unified SRST and Unified Secure SRST Features

Platform and Protocol Support for Unified E-SRST Features

Overview

This document provides information on the compatibility of Unified Survivable Remote Site Telephony features (for Unified SRST, Unified E-SRST, and Unified Secure SRST) across the Cisco Routers. Feature support is detailed by protocol and platform and was last updated for Cisco IOS XE 17.14.1a Release (Unified SRST Release 14.4).

For information on the Cisco IOS XE and Cisco IOS Release mapping with Unified SRST, see [Unified CME, Unified SRST, and Cisco IOS Software Version Compatibility Matrix](#).

For information on feature description for Unified SRST, Unified E-SRST, and Unified Secure SRST, see [Cisco Unified SCCP and SIP SRST System Administrator Guide \(All Versions\)](#).

The protocols discussed in this document are:

- Session Initiation Protocol (SIP)
- Skinny Client Control Protocol (SCCP)
- Mixed Deployment (Supports both SIP and SCCP)

The platforms discussed in this document are:

- Cisco IOS XE Autonomous mode for Cisco 4000 Series Integrated Services Routers, Cisco 1000 (ISR1100 running IOS XE), Cisco 8300 Catalyst Edge Series Platforms, and Cisco 8200 Catalyst Edge Series Platforms
- Cisco IOS XE SD-WAN for Cisco 4000 Series Integrated Services Routers, Cisco 8300 Catalyst Edge Series, and Cisco 8200 Catalyst Edge Series Platforms

Conventions

The following conventions are applicable to the information provided in the Feature Support sections.

Table 1: Conventions

Convention	Description
Yes	The feature is supported.
–	The feature is not supported.
SIP	Session Initiation Protocol
SCCP	Skinny Client Control Protocol
Unified SRST	Unified Survivable Remote Site Telephony
Unified E-SRST	Unified Enhanced Survivable Remote Site Telephony
Unified Secure SRST	Unified Secure Survivable Remote Site Telephony
SD-WAN	Software Defined WAN Mode on Unified SRST

Platform and Protocol Support for Unified SRST and Unified Secure SRST Features

As the feature support is consistent across Unified SRST and Unified Secure SRST, this section provides feature support information for both these products in Table 2: Unified SRST and Unified Secure SRST Feature Support.

- From Unified SRST Release 12.8 (Cisco IOS XE Amsterdam 17.2.1r), configuration and monitoring of Unified SRST using NetConf and RESTConf Yang models is supported in both Controller (SD-WAN) and Autonomous modes.
- From Unified SRST Release 12.6 (Cisco IOS XE Gibraltar 16.11.1a), support is introduced for SNMP version 3 (SNMPv3) and toll fraud prevention for line-side SIP. Unified SRST 12.6 and later releases do not support certain CLI commands configured under *call-manager-fallback* configuration mode to enhance security. For more information, see [Cisco Unified SCCP and SIP SRST System Administrator Guide \(All Versions\)](#).
- All features listed as supported for Unified SRST are also supported for Unified Secure SRST.
- If a feature is supported for both SIP and SCCP phones, then mixed deployment is supported on that platform.

For information on feature specific support for Unified SRST and Unified Secure SRST across platforms and protocols, see Table 2.

Table 2: Unified SRST and Unified Secure SRST Feature Support

Features		Classic IOS		Cisco IOS XE Autonomous Mode		Cisco IOS XE Controller Mode (SD-WAN)
		SIP	SCCP	SIP	SCCP	SIP
Auto-Answer		Yes	Yes	Yes	Yes	–
Phone Registration to SRST (fallback)		Yes	Yes	Yes	Yes	Yes
Transfer	Alert Transfer	Yes	Yes	Yes	Yes	Yes
	Attended/Consult Transfer	Yes	Yes	Yes	Yes	Yes
	Blind Transfer	–	Yes	–	–	Yes
Conference	Meet-Me Conference	–	–	–	–	–
	Ad-hoc Hardware Conference	–	–	–	–	–
	Ad-hoc Software Conference	Yes	Yes	Yes	Yes	Yes
	Video Conference	–	–	–	–	–
Hold/Resume		Yes	Yes	Yes	Yes	Yes
Headset Answer		Yes	Yes	Yes	Yes	–
Line Label		Yes (except 3905, 6901, 6921)	Yes (except 69xx series)	Yes	Yes (except 69xx series)	–
Shared Line		–	Yes	–	Yes	–
Caller ID Display		Yes	Yes	Yes	Yes	Yes
Feature Access Code (FAC)		Yes	Yes	Yes	Yes	–
Voicemail		Yes	Yes	Yes	Yes	–
Message Waiting Indicator (MWI)		Yes	Yes	Yes	Yes	–

Platform and Protocol Support for Unified SRST and Unified Secure SRST Features

Features		Classic IOS		Cisco IOS XE Autonomous Mode		Cisco IOS XE Controller Mode (SD-WAN)
		SIP	SCCP	SIP	SCCP	SIP
Reset/Restart Phones via Reset/Restart Command		–	Yes	–	Yes	–
Do Not Disturb (DND)		Yes (except 3905, 6901)	Yes	Yes	Yes	–
DTMF		Yes	–	Yes	–	Yes
Key Expansion Module (KEM)		Yes (only 8961)	Yes (only on 7962/7965/7975, 8941, 8945)	Yes (Only 88xx Series)	Yes (only on 7962/7965 /7975, 8941, 8945)	Yes (Only 88xx Series)
Bulk Registration Support		Yes (except 6921)	–	Yes	–	–
Enabling/Disabling KPML		Yes	–	Yes	–	–
Alias Feature		Yes	Yes	Yes	Yes	–
Call Forward	All	Yes	–	Yes	Yes	Yes
	Busy	Yes	Yes	Yes	Yes	Yes
	No Answer	Yes	Yes	Yes	Yes	Yes
	Mailbox	Yes	–	Yes	Yes	Yes
	Unregistered	–	–	–	–	–
	Night-Service	–	–	–	–	–
	Max-Length	–	–	–	–	–
Call Forward All Softkey on Phone		Yes	–	Yes	–	–
Multicast MOH		–	Yes	–	Yes	–

Features		Classic IOS		Cisco IOS XE Autonomous Mode		Cisco IOS XE Controller Mode (SD-WAN)
		SIP	SCCP	SIP	SCCP	SIP
Unicast MOH		Yes	Yes	Yes	Yes	Yes
Basic Automatic Call Distribution (B-ACD)		Yes	Yes	Yes	Yes	–
Voice Hunt Group		Yes	Yes	Yes	Yes	–
Ephone Hunt Group		–	Yes	–	Yes	–
Voice Hunt Group/Ephone Hunt Group Statistics (Only for static members)		Yes	Yes	Yes	Yes	–
Voice Class Codec		Yes	–	Yes	–	Yes
Audio Codecs	G.722	–	Yes	Yes	Yes	Yes
	G.711	Yes	Yes	Yes	Yes	Yes
	G.729	Yes	Yes	Yes	Yes	Yes
	iLBC	–	Yes	Yes	Yes	Yes
Translation Profile		Yes	Yes	Yes	Yes	–
Busy Trigger Per Button		Yes	–	Yes	–	–
Conference Blocking		Yes	Yes	Yes	Yes	–
Transfer Blocking		Yes	Yes	Yes	Yes	–
COR		Yes	Yes	Yes	Yes	Yes
VRF for Unified SRST		Yes	Yes	Yes	–	–
SNMP/MIB		–	Yes	–	Yes	–
Speed Dial		Yes	Yes	Yes	Yes	–
Call Waiting		Yes	Yes	Yes	Yes	–
Forced Authorization Code		–	Yes	–	Yes	–

Platform and Protocol Support for Unified E-SRST Features

Features		Classic IOS		Cisco IOS XE Autonomous Mode		Cisco IOS XE Controller Mode (SD-WAN)
		SIP	SCCP	SIP	SCCP	SIP
Redial		Yes	Yes	Yes	Yes	–
Speakerphone	Dialing	Yes	Yes	Yes	Yes	–
	Answering	Yes	Yes	Yes	Yes	–
System Message		Yes	Yes	Yes	Yes	–
After Hours		Yes	Yes	Yes	Yes	–
Call Waiting Ring		–	Yes	–	Yes	–
Configurable TLS Cipher Policy		–	–	Yes	Yes	–
SIP OAuth Authentication		–	–	Yes	–	–

Platform and Protocol Support for Unified E-SRST Features

This section provides feature support information specific to Cisco Unified Enhanced Survivable Remote Site Telephony (Unified E-SRST). In comparison to Unified SRST and Unified Secure SRST, Unified E-SRST provides support for features such as Shared Line, BLF, Video, and Voice Hunt Group feature support.

Note:

- If a feature is supported for both SIP and SCCP phones, then mixed deployment is supported on that platform.
- Unified E-SRST is not supported for IOS XE Controller (SD-WAN) mode.
- From Unified E-SRST Release 12.6 (Cisco IOS XE Gibraltar 16.11.1a), support is introduced for toll fraud prevention on Line Side SIP of Unified E-SRST.

For information on feature specific support for Unified E-SRST across platforms and protocols, see Table 3: Unified E-SRST Feature Support.

Table 3: Unified E-SRST Feature Support

Features	Classic IOS	Cisco IOS XE Autonomous Mode
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		SIP	SCCP	SIP	SCCP
Anonymous Call Block		–	–	–	–
Auto-Answer		Yes	Yes	Yes	Yes
Auto Register		–	–	–	–
Auto Assign		–	–	–	–
Authenticate Register		–	–	–	–
Barge		–	–	–	–
cBarge/Merge		–	–	–	–
Call Park		–	–	–	–
Call Park Resume		–	–	–	–
Pickup	Group Pickup	–	–	–	–
	Directed Call Pickup	–	–	–	–
Distinctive Ring for Parked Call Recall		–	–	–	–
Park Monitor		–	–	–	–
Directed Call Park		–	–	–	–
Extension Mobility		–	–	–	–
Transfer	Alert Transfer	Yes	Yes	Yes	Yes
	Attended Consult Transfer	Yes	Yes	Yes	Yes
	Blind Transfer	–	Yes	–	Yes
	Meet-Me Conference	–	–	–	–
	Ad-hoc Hardware Conference	–	–	–	–

Platform and Protocol Support for Unified E-SRST Features

Features		Classic IOS		Cisco IOS XE Autonomous Mode	
		SIP	SCCP	SIP	SCCP
Conference	Ad-hoc Software Conference	Yes	Yes	Yes	Yes
	Video Conference	–	–	–	–
Hold/Resume		Yes	Yes	Yes	Yes
Intercom		–	–	–	–
Fast Track		–	–	–	–
Headset Answer		Yes	Yes	Yes	Yes
Line Label		Yes (except 3905, 6901, 6921)	Yes (except 69xx series)	Yes	Yes (except 69xx series)
My Phone Apps - View On Phone	Speed Dial	–	–	–	–
	Personal Speed Dial/Fast Dial	–	–	–	–
	BLF Speed Dial	–	–	–	–
	Voice Hunt Groups	–	–	–	–
	After Hours	–	–	–	–
	Single Number Reach (SNR)	–	–	–	–
	Active Call Park List	–	–	–	–
My Phone Apps - Add/Delete/Modify from Phone	Speed Dial	–	–	–	–
	Fast Dial	–	–	–	–
	BLF Speed Dial	–	–	–	–

Features		Classic IOS		Cisco IOS XE Autonomous Mode	
		SIP	SCCP	SIP	SCCP
Single Number Reach (SNR)		-	-	-	-
Park Retrieval		-	-	-	-
Paging	Multicast (Only with G711ulaw codec)	-	-	-	-
	Unicast (Only with G711ulaw codec)	-	-	-	-
Shared Line		Yes	Yes	Yes	Yes
Mixed Shared Line		Yes	Yes	Yes	Yes
Voice Hunt Group with Shared Line		Yes	Yes	Yes	Yes
Caller ID Display		Yes	Yes	Yes	Yes
Caller ID Blocking		-	-	-	-
Feature Access Code (FAC)		Yes	Yes	Yes	Yes
Call Transfer Recall		-	-	-	-
Voicemail		Yes	Yes	Yes	Yes
Message Waiting Indicator (MWI)		Yes	Yes	Yes	Yes
Video		Yes	Yes	Yes	Yes
Locale Support		-	-	-	-
Reset/Restart Phones via Reset/Restart Command		-	Yes	-	Yes
Button Layout/Softkey Template		-	-	-	-
Directory Services	Local Directory	-	-	-	-
	Local Speed Dial	-	-	-	-
	Personal Speed Dial	-	-	-	-

Platform and Protocol Support for Unified E-SRST Features

Features		Classic IOS		Cisco IOS XE Autonomous Mode	
		SIP	SCCP	SIP	SCCP
Privacy		–	–	–	–
iDivert		–	–	–	–
Enhanced iDivert		–	–	–	–
Do Not Disturb (DND)		Yes (except 3905, 6901)	Yes	Yes	Yes
DTMF		Yes	–	Yes	–
Feature Button/Programmable Line Key (PLK)		–	–	–	–
Key Expansion Module (KEM)		Yes (only 8961)	Yes (only on 7962/7965/7975, 8941, 8945)	Yes (Only 88xx Series)	Yes (only on 7962/7965/7975, 8941, 8945)
Bulk Registration Support		Yes (except 6921)	–	Yes	–
Upgrading/Downgrading Phone Firmware Versions		–	–	–	–
Live Record		–	–	–	–
Enabling/Disabling KPML		Yes	–	Yes	–
Alias Feature		Yes	Yes	Yes	Yes
Call Forward	All	Yes	–	Yes	–
	Busy	Yes	Yes	Yes	Yes
	No Answer	Yes	Yes	Yes	Yes
	Mailbox	Yes	–	Yes	–

Features		Classic IOS		Cisco IOS XE Autonomous Mode	
		SIP	SCCP	SIP	SCCP
	Unregistered	–	–	–	–
	Night-Service	–	–	–	–
	Max-Length	–	–	–	–
Call Forward All Softkey on Phone		Yes	–	Yes	–
Multicast MOH		–	Yes	–	Yes
Unicast MOH		Yes	Yes	Yes	Yes
Basic Automatic Call Distribution (B-ACD)		Yes	Yes	Yes	Yes
Night Service		–	–	–	–
Voice Hunt Group		Yes	Yes	Yes	Yes
Ephone Hunt Group		–	Yes	–	Yes
Channel Hunt Stop		–	–	–	–
Voice Hunt Group/Ephone Hunt Group Statistics (Only for static members)		Yes	Yes	Yes	Yes
Voice Class Codec		Yes	–	Yes	–
Audio Codecs	G.722	–	Yes	Yes	Yes
	G.711	Yes	Yes	Yes	Yes
	G.729	Yes	Yes	Yes	Yes
	iLBC	–	Yes	Yes	Yes
Translation Profile		Yes	Yes	Yes	Yes
Busy Trigger Per Button		Yes	–9	Yes	–
Conference Blocking		Yes	Yes	Yes	Yes

Platform and Protocol Support for Unified E-SRST Features

Features		Classic IOS		Cisco IOS XE Autonomous Mode	
		SIP	SCCP	SIP	SCCP
Transfer Blocking		Yes	Yes	Yes	Yes
COR		Yes	Yes	Yes	Yes
Transcoding		-	-	-	-
SNMP/MIB		-	Yes	-	Yes
Web GUI		-	-	-	-
IOS XE Web GUI		-	-	-	-
Speed Dial		Yes	Yes	Yes	Yes
Busy Lamp Field (BLF)		Yes	Yes	Yes	Yes
Call Waiting		Yes	Yes	Yes	Yes
Forced Authorization Code		-	Yes	-	Yes
HTTP File Server (HFS)		-	-	-	-
Redial		Yes	Yes	Yes	Yes
Speakerphone	Dialing	Yes	Yes	Yes	Yes
	Answering	Yes	Yes	Yes	Yes
System Message		Yes	Yes	Yes	Yes
Whisper Intercom		-	-	-	-
Abbreviated Dialing		-	-	-	-
After Hours		Yes	Yes	Yes	Yes
Callback		-	-	-	-
Call Waiting Ring		-	Yes	-	Yes

Features	Classic IOS		Cisco IOS XE Autonomous Mode	
	SIP	SCCP	SIP	SCCP
Configurable TLS Cipher Policy	–	–	Yes	Yes
SIP OAuth Authentication	–	–	Yes	–

Obtain Documentation and Submit a Service Request

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Cisco Unified Communications Manager Express Phone Feature Support
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