Enterprise SIP (SIP Trunk)

The following types of private branch exchange (SIP PBX), communication servers, or session border controllers (SBC) are certified by Swisscom for the Enterprise SIP Standard service (SIP Trunk with Swisscom eSBC):

SIP PBX, Communication Server, SBC	Latest Versions	
Aarenet AS7 Cloud vPBX	7.1x	
Alcatel-Lucent OmniPCX Enterprise CS (OXE) (Tested without or with AudioCodes Mediant E-SBC 7.0 or 7.2)	100.1 12.x 11.2.2 11.2.1	
Alcatel-Lucent OmniPCX Office (OXO) Connect	5.x 4.x 3.x 2.x	
Alcatel-Lucent OmniPCX Office RCE (OXO)	10.3.x	
Asterisk (Asterisk SIP engine 18.6 and above (PJSIP) has been tested with Sangoma PBXact 15.0 and above) (Asterisk SIP engine 16.6 and above (PJSIP) has been tested with Sangoma PBXact 14.0 and above)	18.x 16.x 13.13-cert2 and higher 13.x 11.23	
ATT AG AMX	R18	
AudioCodes Mediant E-SBC 500/500L/800B/1000B/2600/4000/4000B/9000/Software (V7.4 tested with MS Teams Direct Routing, V7.2 tested with Skype 2015 + AudioCodes MediaPack 1xx for Fax Support, V7.2 tested with PRI and BRI interfaces)	7.4 7.2	
AudioCodes MediaPack 5xx (formely Mediant 500L-i)	7.2	
Avaya Aura (Communication Manager + Session Manager + Avaya SBC)	10.1 8.1 8.0 7.1 7.0 6.3	(CM+SM: 10.1 + SBC: 10.x) (CM+SM: 8.1 + SBC: 8.x) (CM+SM: 8.0 + SBC: 7.2) (CM+SM: 7.1 + SBC: 7.1 and higher 7.x) (CM+SM: 7.0 + SBC: 7.1) (CM+SM: 6.3 + SBC: 6.3)
Avaya Communication Server 1000 (Session Manager + Avaya SBC)	7.6	(SM: 7.0 + SBC: 7.1)

Avaya IP Office 500 V2	11.1	(with or without SBC R8.1 and higher 8.x)
	11.0	(with or without SBC R7.2 and higher 7.x)
	10.1	(with or without SBC R7.1 and higher 7.x)
	10.0	(with or without SBC R7.1 and higher 7.x)
	9.1	(without SBC)
Cisco Unified Communication Manager (CUCM) (Tested without or with CUBE: CUBE version 11.1 on IOS 15.5(3)M3 with ISR 2900 Series CUBE version 11.1 on IOS 15.5(3)S5 with ISR 4000 Series CUBE version 12.0 on IOS 16.6.2 with ISR 4000 Series CUBE version 12.1 on IOS 16.9.1/16.9.2/16.9.3 with ISR 4000 Series CUBE version 12.8 on IOS 17.2.1r with ISR 4000 Series CUBE version 14.1 on IOS 17.3.3 with ISR 4000 and C1100 Series, and CSR1000v CUBE Version 14.4 on IOS 17.6.3a with ISR 4000 and C1100 Series, and C8000v CUBE Version 14.4 on IOS 17.6.4 with ISR 4000 and C1100 Series, and C8000v)	14.0 12.5 12.0 11.5 11.0 10.5	
Cisco Unified Survivable Remote Site Telephony (SRST)	16.9.1 15.5(3)M3	
Cisco Webex Calling	1.0	
C4B Com For Business Xphone Connect Fax Server Solution (Tested with XCapi 3.6.23)	R5.0.60 SR2	
Dialogic SR-140 Fax Software (Tested with OpenText RightFax Fax Server 10.6-FP3-SR5 and higher)	6.7.6 and higher	
Ferrari electronic OfficeMaster Fax Server	6.1.2 and higher	
Ferrari electronic OfficeMaster Gate SBC (Tested with Skype 2015)	4.0-340 and higher	
Fortinet FortiVoice	5.3.8 and higher	
Genesys PureCloud	1.0.0.9236 1.0.0.6906	
Genesys PureConnect	CIC2018 R1	
Huawei eSpace U1911/U1960/U1981	200R003C30SPC500 and higher	
Innovaphone IPVA (The certification is also valid for all HW Gateway (e.g. IP6010) and the Innovaphone SBC)	V13 Rx SRx V12R1	
KOFAX Communication Server	10.1.1 10.1.0	
Microsoft Lync Server (AudioCodes MediaPack 1xx version 6.6 and higher for Fax Support)	2013	
Microsoft Skype for Business Server (AudioCodes MediaPack 1xx version 6.6 and higher for Fax Support)	2019 2015	
Microsoft Skype for Business CCE	1.4.2	
Microsoft Teams using AudioCodes Mediant SBC (Direct Routing Enterprise Model)	SBC: 7.4 SBC: 7.2	
Mitel MiVoice Business	9.2 SPx 9.1 SPx 8.0 SPx	

Mitel MiVoice MX-ONE	7.4 SPx HFx
	7.3 SPx HFx
	7.0 SPx HFx
	6.3 SPx HFx
	6.2 SP1 HF0, HF2
	6.0 SP2 HF6
Mitel MiVoice Office 400 Serie (415/430/470)	R7.1 SPx HFx, R7.0 SPx HFx
	R6.3 SPx HFx, R6.2 SPx HFx, R6.1 SPx HFx
	R6.0 SPx HFx
	R5.0 HFx
Mitel MiVoice Office 400 Virtual Appliance	R7.1 SPx HFx. R7.0 SPx HFx
	R6.3 SPx HFx, R6.2 SPx HFx, R6.1 SPx HFx,
	R6.0 SPx HFx
	R5.0 HFx
Mitel MiVoice 5000	R7.0 SP2
	R6.4 SPx
	AXS - A5000 R6.2 /A700 SUI
NEC SIP@Net iS3000 (Tested with NEC SBC BX-500/800/1000/9000 which corresponds to AudioCodes Mediant E-SBC 500/800/1000/9000 version 7.0)	6.3
NEC Univerge 3C (Tested with NEC SBC BX-500/800/1000/9000 which corresponds to AudioCodes Mediant E-SBC 500/800/1000/9000 version 7.0)	8.7.1.7 P6 and higher
New Voice MobiCall	R12
Oracle Acme Packet E-SBC VME/1100/3900/4600 (Tested with Microsoft Teams)	ECZ8.x
Panasonic KX-NS700/NS1000	V 4.4.1 and higher
Patton SmartNode Gateways SN4131/SN4171/SN4971/SN4970A (Tested with PRI and BRI interfaces)	3.15.x 3.13.x 3.12.x
Sangoma PBXact	see Asterisk
Sonus/Ribbon SBC 1000/2000 (Tested with Skype 2015)	V 8.x V 6.x
Swyx SwyxWare	12.x 11.x 2015 R40.x 2015 R3.x
Techwan SAGA Mobilization	6.x
TE-SYSTEMS anynode SBC (Tested with Skype 2015)	3.10 or higher

Unify OpenScape 4000	V11 R0	(without SBC)
	V10 R1	(with or without SBC V10 R2)
	V10 R0	(with or without SBC V10 R0)
	V8 R2	(with or without SBC V9 R4)
	V8 R1	(with or without SBC V9 R2)
	V8 R0	(with or without SBC V9 R1)
	V7 R2	(without SBC)
Unify OpenScape Branch	V10 R0	
	V9 R4	
	V9 R3	
	V9 R1	
Unify OpenScape Business (X3/X5/X8/S)	V3 R1.x	
	V2 R7.x	
	V2 R6.x	
	V2 R5.1	
	V2 R4.0	
	V2 R3.1	
	V2 R2.0 / R2.1 / R2.2	
	V2 R1.0 / R1.1	
	V2 R0	
Unify OpenScape Enterprise Express	V9 R0	(with SBC V9 R1)
Unify OpenScape Voice	V10 Rx	(with SBC V10 Rx)
	V9 R4	(with or without SBC V9 R4)
	V9 R3	(with or without SBC V9 R3)
	V9 R2	(with or without SBC V9 R2)
	V9 R1	(with or without SBC V9 R1)
	V9 R0	(without SBC)
	V8 R1	(with SBC V9 R1)
Zoom (Tested with Cisco CUBE Version 14.4 on IOS 17.6.3a)	V1.0	
3CX Phone System	V18	
	V16	
	V15	

More upon request

With the ISDN Media Gateway option, customers can connect a traditional PBX with ISDN Basic and Primary Rate interfaces (BRI and PRI) via Enterprise SIP. The conversion from the ISDN protocol to SIP takes place in the gateway. Note that the most common ISDN functions are supported by the ISDN Media Gateway. An ISDN Media Gateway, however, is not an equal replacement for an ISDN connection. The following types of private branch exchange (ISDN PBX) or communication servers are certified by Swisscom for the Enterprise SIP service using the ISDN Media Gateway:

ISDN PBX	Latest Versions
Avaya Communication Server 1000 Only supported for PRI interfaces. The CS1000 BRI interface is not compatible with the ISDN Media gateway (please use Patton SmartNode Gateway instead)	7.65
Mitel MiVoice Office 400 Serie (415/430/470)	R4.0
Mitel OpenCom 1000	6.2 SP3
Unify OpenScape 4000	V8 R0

All other ISDN PBX: ISDN is an established standard and is generally supported. However, not all existing ISDN PBX will be certified by Swisscom. This means that a non-certified ISDN PBX can also be used. Testing of non-certified ISDN PBX is recommended.

The SIP Trunk certification test (also known as a homologation) is performed as part of the Enterprise SIP Swisscom service for PBX, communications servers, or SBC. It ensures that the telephony features work smoothly during the migration from TDM to SIP technology. The aim is to secure all functions between the manufacturer's communications systems and the public telephone network. Indeed, there is no established industry standard for the SIP protocol and every manufacturer interprets the implementation of the SIP protocol differently.

<u>Important notice:</u> Swisscom or the manufacturer provides a SIP Trunk configuration guide for homologated communication systems. Please apply the recommended configurations to ensure interoperability with Enterprise SIP.