Alcatel·Lucent Enterprise

Technical Bulletin | OXO Connect

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Public SIP Trunking Interoperability and Technical Support procedure

This document describes the ALE process for the approval and support of public SIP Trunk solutions with the OXO Connect & OXO Connect Evolution. The doc also updates the reference list of supported solutions.

Revision History

Edition 1: August 25, 2012	creation of the document.
Edition 2 to 111: up to 31st March 2022	previous updates.
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1 SIP Trunks

The **Session Initiation Protocol (SIP)** is a signalling protocol widely used for controlling multimedia communication sessions such as voice and video calls over IP networks. Although SIP is based on a public standard (RFC 3261), the numerous features with variants and optional RFCs is propitious to interoperability issues between different SIP products.

A SIP trunk connection is available since OXO R5.0 for VoIP and FoIP calls with compatible gateways or PBX's. The feature also provides some basic call facilities like DTMF transmission, call forward, transfer, 3-party conference ...

2 ALE process in relation with public SIP Trunk solutions

2.1 Approval

A solution involving OXO and a Public SIP network must be approved by ALE thru a specific process intended to set up and validate the SIP interop perimeter proper to the solution. The validation is done in collaboration with ALE Business Partners by passing a suite of SIP tests and consolidating the end user operation on one or more pilot customer sites.

As a Business Partner, you can contact your ALE local representatives if you would like to help approving a new SIP provider. To get more detailed information, please send your request to sip-for-smb@al-enterprise.com.

2.2 Technical Support

The support of public SIP Trunks on the OXO Connect and OXO Connect Evolution, is restricted to the sole solutions listed in Ch.3 hereafter. Each of those approved solutions has a differentiated status grade (LA, MA or GA) corresponding to a proper model of support delivered by ALE:

- **GA solutions (General Availability):** these solutions are approved for free deployment as of the specifications published by ALE in the dedicated configuration guide. **When the doc conditions are respected, technical assistance, expertise and bug correction are ensured by ALE following the standard policy and SLAs**. For an issue occurring during the valid period of support of the OXO SW release, a Business Partner must just open a normal Service Request indicating the name of the SIP Provider.

- **LA/MA solutions (Limited Availability/Migrated Availability):** the pilot-site program which is required to reach the GA approval level of the solution is open but is either not achieved or not yet started. **The solution is therefore NOT open for free deployment on customer sites**. As a partner, you can contact our organization via email (sip-for-smb@al-enterprise.com) if you wish to join the pilot program or just want to be informed of its progress. **The LA/MA support is then a specific assistance delivered for customer pilot-sites**. **The Pilot sites must have been identified and agreed by ALE before their installation**. During the pilot period (at least 4 weeks), the systems are monitored remotely by ALE and the associated Business Partner benefits of privileged access to ALE Technical Support resources.

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To benefit of ALE support, a GA solution must respect the specified OXO release and the conditions of the ALE Configuration guide. However, when the GA solution is based on an old OXO Release which is not the current "Support Release" of the branch (e.g. OXO Connect R3.0, R3.1 in the branch of OXO Connect R3.X and so on), then respecting the OXO release may present a practical issue:
- 1st case: the GA solution must be deployed on a new site. We recommend that you rather install the current "Support Release" of the branch (e.g. OXO Connect R3.2 in the branch of OXO Connect R3. and so on).
- 2nd case: the GA solution has been running for a long period on a site. For maintenance reasons, you wish or need to upgrade OXO with the current "Support Release" of the branch (e.g. OXO Connect R3.2 in the branch of OXO Connect R3.X and so on).

Recommendation for these two situations:
First, check herein in the Ch.3 tables what is the status (GA or LA/MA) given to the solution with the SIP Provider and the up-to-date OXO Release. If the status is GA, then you can deploy freely without additional constraint. If the status is LA/MA and you decide to go to this configuration, then you must contact ALE before starting the solution as requested here above to get the dedicated /MA support.

2.3 Reference resources

ALE publishes on its Web portal the reference resources associated to the supported SIP solutions:

- **For GA solutions**: a dedicated TC configuration guide (plus the associated GA SIP profile if OXO >= R10.0)
- **For MA solutions**: no configuration guides are delivered before the GA step. Since Feb. 2016, to facilitate setup and approval of SIP solutions with the most recent OXO releases, **MA** SIP profiles are also published under certain conditions. Presently, MA SIP profiles OXO Connect R3.x, R4.0 or Connect R5.0 are provided for the SIP Providers which are already GA-approved on previous OXO releases (Use the corresponding Conf. Guide TC). **Before using one of the MA SIP profiles for a Pilot site, you must however contact ALE as of the support conditions mentioned in the LA/MA section of Ch. 2.2.**
- **For LA solutions**: no configuration guides are delivered before the GA step. **For a Pilot site, you must contact ALE as of the support conditions mentioned in the LA/MA section of Ch. 2.2.**

Detailed information concerning the management of SIP Trunk Profiles is available in the Technical Bulletin TC1994 ("SIP EASY CONNECT: SIP Trunk Profile Import/Export").

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3 ALE list of supported SIP Trunk solutions

The following tables give a reference status of the SIP Trunk solutions currently supported in LA/MA or GA status. These tables are regularly updated with the last-approved Providers and adapted when necessary to the product's evolution (i.e. adding new OXO releases or clearing out those gone out of support.

GA solutions are noted with their TC ref. of configuration guide plus the applicable OXO release.
Or only the applicable release, in case of automatic GA report (whenever possible) in the next release(s). The TC configuration guide to use, is then the most recent release one having a TC ref.

MA solutions mention the OXO release applicable SIP profile. The TC configuration guide to use, is then the most recent GA release one having a TC ref.
LA solutions just mention the applicable OXO release.

OXO Connect R3.2, R4.0 and OXO Connect R5.0 share the same TC Configuration guide and the same sip profile. Therefore use OXO Connect R3.2 inputs for OXO Connect R4.0 deployement.

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Andorra	Andorra Telecom	Limited Availability			
		General Availability	(R3.2)	TC2777 (R4.0)	(R5.0)
Argentina	Telecom Argentina	Limited Availability		● R4.0	● R5.0
		General Availability			
Australia	Exetel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	iBoss	Limited Availability		● R4.0	● R5.0
		General Availability			
	MyNetFone	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Optus	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telstra	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
Austria	4 Telecom Services	Limited Availability			
		General Availability	TC2774 (R3.1) (R3.2)	(R4.0)	(R5.0)
	A 1	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	A 1 (Business VoIP)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	A 1 (IP-SIP Trunk)	Limited Availability			
		General Availability	TC2497 (R3.0) TC2675 (R3.2)	TC2856 ed2 (R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Austria	A1 (METRO)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	IKB	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Inntelco	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	NeoTel Business Trunk	Limited Availability			
		General Availability	TC2606 (R3.0) TC2676 (R3.2)	(R4.0)	(R5.0)
	NeoTel Private SIP Trunk	Limited Availability			
		General Availability	TC2607 (R3.0) TC2677 (R3.2)	(R4.0)	(R5.0)
	Net-Cloud	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Next Layer	Limited Availability			
		General Availability		TC2766 (R4.0)	(R5.0)
	NFON	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	TELE 2	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	UPC	Limited Availability			
		General Availability	TC2569 (R3.0) TC2678 (R3.2)	(R4.0)	(R5.0)
Bahrain	Batelco	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Bahrain	Kalaam	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Belgium	3Starsnet	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Intellinet	Limited Availability		● R4.0	● R5.0
		General Availability			
	Ipsys	Limited Availability			● R5.0
		General Availability			
	Orange	Limited Availability		● R4.0	● R5.0
		General Availability			
	Proximus (LAN-LAN/IP-VPN)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Proximus (Router with SIP-ALG-TOPO B)	Limited Availability			
		General Availability		TC2882 (R4.0)	(R5.0)
	Proximus (Remote Hosted NAT)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telenet (Router with SIP-ALG-TOPO B)	Limited Availability			
		General Availability		TC2881 (R4.0)	(R5.0)
Bolivia	Tigo	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Brazil	Unitel Telecom	Limited Availability			
		General Availability	TC2674 (R3.1) TC2697 (R3.2)	TC2861 (R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Brazil	Vivo	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Voitel	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
Cambodia	Camintel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telecom Cambodia	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Canada	AllStream	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Bell Canada	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Iristel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	RNT	Limited Availability			
		General Availability	TC2726 (R3.2)	(R4.0)	(R5.0)
	Rogers	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telenet	Limited Availability			
		General Availability	TC2587 (R3.1) TC2695 (R3.2)	(R4.0)	(R5.0)
	Teliphone	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Canada	Videotron	Limited Availability		● R4.0	● R5.0
		General Availability			
	VoIP.ms	Limited Availability			● R5.0
		General Availability			
Chile	Entel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Colombia	Claro	Limited Availability			
		General Availability	TC2670 (R3.1) TC2696 (R3.2)	(R4.0)	(R5.0)
	ETB	Limited Availability	● R3.2		
		General Availability		TC2870 (R4.0)	(R5.0)
	Net2phone	Limited Availability		● R4.0	● R5.0
		General Availability			
Croatia	Optima Telekom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Cyprus	Cyta	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Primetel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Denmark	Uni-Tel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Inmarsat	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
El Salvador	Telefonica (movistar)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Finland	Fujitsu	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Line Carrier	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telia	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
France	ABI Telecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Add-On	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Adista	Limited Availability			
		General Availability		TC2893 (R4.0)	(R5.0)
	Axians	Limited Availability			
		General Availability	TC2611 (R3.0) TC2706 (R3.2)	(R4.0)	(R5.0)
	Bretagne Telecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Codepi	Limited Availability	● R3.2 (MA)		
		General Availability		TC2805 (R4.0)	(R5.0)
	Colt (LAN-LAN/IP-VPN - TOPO A)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
France	Colt (Remote Hosted NAT-TOPO C)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Completel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Coriolis Telecom	Limited Availability			
		General Availability	TC2625 (R3.1) TC2701 (R3.2)	(R4.0)	(R5.0)
	C'PRO Telecom	Limited Availability			
		General Availability		TC2903 (R4.0)	(R5.0)
	Dauphin Telecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Fingerprint	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Foliateam	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Hexanet	Limited Availability	● R3.2 (MA)		
		General Availability		TC2878 (R4.0)	(R5.0)
	Hexatel	Limited Availability			
		General Availability	TC2623 (R3.0) TC2705 (R3.1) TC2709 (R3.2)	TC2826 (R4.0)	(R5.0)
	Idom	Limited Availability		● R4.0	● R5.0
		General Availability			
	IP Directions	Limited Availability	● R3.2		
		General Availability		TC2817 (R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
France	IT'Tek	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Jaguar	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Keyyo	Limited Availability			
		General Availability	TC2534 (R3.0) TC2637 (R3.1) TC2707 ed2 (R3.2)	TC2890 (R4.0)	(R5.0)
	Legos	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Leonix	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Linkersip	Limited Availability	• R3.2 (MA)		
		General Availability		TC2968 (R4.0)	(R5.0)
	Linkt	Limited Availability			
		General Availability	TC2749 (R3.2)	TC2802 (R4.0)	(R5.0)
	Nerim	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Networth Telecom	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	NXO Telecom	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	OBS-Biv	Limited Availability			
		General Availability	TC2612 ed2 (R3.0) TC2708 (R3.2)	(R4.0)	TC2933 (R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
France	OBS-BTIP	Limited Availability			
		General Availability	TC2666 (R3.1) TC2681 (R3.2)	(R4.0)	(R5.0)
	Oceanet Telecom	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	One Operateur (LAN-LAN/IP-VPN - TOPO A)	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	One Operateur (Remote Hosted NAT - TOPO C)	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	One Operateur (CENTILE)	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	OpenIP	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	OpenIP (MyOPENIP)	Limited Availability			
		General Availability	TC2537 (R3.0) TC2624 ed3 (R3.1) TC2692 (R3.2)	TC2806 (R4.0)	(R5.0)
	OpenVNO (Alphalink)	Limited Availability			
		General Availability	TC2522 (R3.0) TC2741 (R3.2)	TC2814 (R4.0)	(R5.0)
	OVH	Limited Availability			
		General Availability	TC2523 (R3.0) TC2730 (R3.2)	(R4.0)	(R5.0)
	Phenix - Partner	Limited Availability			
		General Availability			TC2967 (R5.0)
	SCT	Limited Availability			
		General Availability	TC2576 (R3.0) TC2731 (R3.2)	(R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
France	Unyc (Serveurcom)	Limited Availability			
		General Availability	**TC2501 ed2 (R3.0)** **TC2702 (R3.2)**	**(R4.0)**	**(R5.0)**
	Sewan	Limited Availability			
		General Availability	**TC2498 (R3.0)** **TC2653 (R3.1)** **TC2732 (R3.2)**	**(R4.0)**	**TC2947 (R5.0)**
	SFR (LAN-LAN/IP-VPN-TOPO A)	Limited Availability	● **R3.2**	● **R4.0**	● **R5.0**
		General Availability			
	SFR (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability	**TC2654 (R3.1)** **TC2733 (R3.2)**	**(R4.0)**	**(R5.0)**
	SFR (numericable) (OXO Static NAT - TOPO D)	Limited Availability		● **R4.0**	● **R5.0**
		General Availability			
	SFR CARAIBE SFR Caraibe (Outremer Telecom) (Remote Hosted NAT-TOPO C)	Limited Availability	● **R3.2**	● **R4.0**	● **R5.0**
		General Availability			
	SFR CARAIBE SFR Caraibe (Outremer Telecom) (OXO Static NAT - TOPO D)	Limited Availability	● **R3.2**		
		General Availability		**TC2804 (R4.0)**	**(R5.0)**
	Synelyans A	Limited Availability			
		General Availability	**TC2541 (R3.0)** **TC2742 (R3.2)**	**(R4.0)**	**(R5.0)**
	Synelyans F	Limited Availability			
		General Availability	**TC2563 (R3.0)** **TC2743 (R3.2)**	**(R4.0)**	**(R5.0)**
	Telecom Object	Limited Availability			
		General Availability	**TC2551 (R3.0)** **TC2744 (R3.2)**	**(R4.0)**	**(R5.0)**
	Trinaps	Limited Availability	● **R3.2**	● **R4.0**	
		General Availability			**TC2943 (R5.0)**

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Germany	1&1 versatel 1&1 Versatel (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability	**TC2638** (R3.1) **TC2745** (R3.2)	**(R4.0)**	**(R5.0)**
	1&1 versatel 1&1 Versatel (OXO Static NAT - TOPO D)	Limited Availability	● **R3.2**	● **R4.0**	● **R5.0**
		General Availability			
	BiTel BiTel	Limited Availability			
		General Availability	**TC2693** (R3.1) **TC2752** (R3.2)	**(R4.0)**	**(R5.0)**
	colt Colt (OXO Static NAT - TOPO D)	Limited Availability			● **R5.0**
		General Availability			
	COMMUNICATION CONCEPT Communication Concept	Limited Availability	● **R3.2**		
		General Availability		**TC2776** (R4.0)	**(R5.0)**
	Deutsche Telefon Deutsche Telefon	Limited Availability			
		General Availability	**TC2589** (R3.0) **TC2753** (R3.2)	**(R4.0)**	**(R5.0)**
	T... Deutsche Telekom CompanyFlex	Limited Availability			
		General Availability		**TC2871** ed2 (R4.0)	**(R5.0)**
	T... Deutsche Telekom DeutschlandLAN SIP Trunk	Limited Availability			
		General Availability	**TC2483** ed2 (R3.0) **TC2635** (R3.1) **TC2754** (R3.2)	**(R4.0)**	**(R5.0)**
	T... Deutsche Telekom DLAN IP Voice/Data (Router with SIP-ALG-TOPO B)	Limited Availability	● **R3.2** (MA)	● **R4.0** (MA)	● **R5.0** (MA)
		General Availability			
	T... Deutsche Telekom DLAN IP Voice/Data (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability	**TC2524** (R3.0) **TC2634** (R3.1) **TC2755** (R3.2)	**(R4.0)**	**TC2935 (R5.0)**
	easybell Easybell	Limited Availability			
		General Availability	**TC2499** (R3.0) **TC2756** ed2 (R3.2)	**TC2891 (R4.0)**	**(R5.0)**

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Germany	Ecotel	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Ecotel Trunk 2.0	Limited Availability			
		General Availability	TC2672 ed2 (R3.1) TC2768 (R3.2)	(R4.0)	(R5.0)
	EmslandTel.NET	Limited Availability			
		General Availability	TC2669 (R3.1) TC2769 (R3.2)	(R4.0)	(R5.0)
	Entega	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	EnviaTel	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Euronics Baumann	Limited Availability			
		General Availability		TC2828 (R4.0)	(R5.0)
	Ewe Tel (SIP TRUNK - NEW PLATFORM)	Limited Availability			
		General Availability		TC2877 (R4.0)	(R5.0)
	Ewe Tel (SIP USER - NEW PLATFORM)	Limited Availability			
		General Availability		TC2892 (R4.0)	(R5.0)
	gnTel	Limited Availability	• R3.2		
		General Availability		TC2843 (R4.0)	(R5.0)
	HFO Telecom	Limited Availability			
		General Availability	TC2545 (R3.0) TC2770 (R3.2)	(R4.0)	(R5.0)
	htp	Limited Availability			
		General Availability	TC2615 (R3.1) TC2771 (R3.2)	(R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Germany	htp SIP Trunk smart	Limited Availability		• R4.0	
		General Availability			TC2966 (R5.0)
	Inexio	Limited Availability			
		General Availability	TC2610 (R3.1) TC2772 (R3.2)	(R4.0)	(R5.0)
	ITK Connect	Limited Availability			
		General Availability	TC2573 (R3.0) TC2778 (R3.2)	(R4.0)	(R5.0)
	Komro	Limited Availability			
		General Availability	TC2604 (R3.0) TC2779 (R3.2)	(R4.0)	(R5.0)
	LWLcom	Limited Availability			
		General Availability	TC2845 (R3.2)	(R4.0)	(R5.0)
	M-net	Limited Availability			
		General Availability	TC2525 (R3.0) TC2780 (R3.2)	(R4.0)	(R5.0)
	NetCologne	Limited Availability	• R3.2		
		General Availability		TC2787 (R4.0)	(R5.0)
	PŸUR (HL Komm) (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability	TC2550 (R3.0) TC2636 (R3.1) TC2781 (R3.2)	TC2913 (R4.0)	TC2934 (R5.0)
	PŸUR (HL Komm) (Router with SIP-ALG -TOPO B)	Limited Availability	• R3.2 (MA)	• R4.0 (MA)	• R5.0 (MA)
		General Availability			
	Plusnet (QSC)	Limited Availability			
		General Availability	TC2538 (R3.0) TC2767 (R3.2)	TC2773 (R4.0)	(R5.0)
	Plusnet (QSC) SIP DDI Trunk	Limited Availability		• R4.0	• R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Germany	Reventix	Limited Availability			
		General Availability	TC2490 (R3.0) TC2782 (R3.2)	TC2765 (R4.0)	(R5.0)
	R-Kom	Limited Availability	• R3.2		
		General Availability		TC2862 (R4.0)	(R5.0)
	SIPgate	Limited Availability			
		General Availability	TC2704 (R3.1) TC2791 (R3.2)	(R4.0)	(R5.0)
	Soco	Limited Availability			
		General Availability	TC2663 (R3.1) TC2792 (R3.2)	(R4.0)	(R5.0)
	Stadtnetz Bamberg	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Stadtwerke Merseburg	Limited Availability			
		General Availability	TC2553 (R3.0) TC2633 (R3.1) TC2793 (R3.2)	(R4.0)	TC2914 (R5.0)
	Stadtwerke Rhede	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Stiegeler	Limited Availability			• R5.0
		General Availability			
	SWT Trilan (DDI)	Limited Availability			
		General Availability	TC2855 (R3.2)	(R4.0)	(R5.0)
	SWT Trilan (MSN)	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Telepark Passau	Limited Availability		• R4.0	• R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Germany	Telesys	Limited Availability			
		General Availability	TC2673 (R3.2)	(R4.0)	(R5.0)
	UnityMedia	Limited Availability			
		General Availability	TC2690 (R3.2)	(R4.0)	(R5.0)
	Vodafone	Limited Availability			
		General Availability	TC2578 (R3.0) TC2728 (R3.2)	(R4.0)	(R5.0)
	Voiceforce.one	Limited Availability			
		General Availability	TC2694 (R3.1) TC2794 (R3.2)	(R4.0)	(R5.0)
	Voiceworks	Limited Availability			
		General Availability	TC2652 (R3.1) TC2795 (R3.2)	(R4.0)	(R5.0)
	Wilhelm.tel	Limited Availability			
		General Availability		TC2880 (R4.0)	(R5.0)
	Willy.Tel	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Wobcom	Limited Availability			
		General Availability		TC2872 (R4.0)	(R5.0)
Greece	Microbase (Ephone)	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Modulus	Limited Availability			• R5.0
		General Availability			
	OTE	Limited Availability			
		General Availability	TC2688 (R3.2)	(R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Guatemala	Claro	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Tigo (Router with SIP-ALG -TOPO B)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Tigo (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability		**TC2860 (R4.0)**	**(R5.0)**
Guinea	Orange	Limited Availability			
		General Availability		**TC2842 (R4.0)**	**(R5.0)**
Honduras	Claro	Limited Availability		● R4.0	
		General Availability			**TC2946 (R5.0)**
Hong Kong	HKBN	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Hungary	Ace Telecom	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Ephone	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Intellicom	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Magyar Telekom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Vodafone (UPC)	Limited Availability			● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
India	Airtel	Limited Availability		● R4.0	● R5.0
		General Availability			
	BSNL	Limited Availability	● R3.2		
		General Availability		TC2912 (R4.0)	(R5.0)
	Dhiraagu	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	TATA	Limited Availability			
		General Availability	TC2643 (R3.2)	(R4.0)	(R5.0)
Indonesia	Telkom Indonesia	Limited Availability		● R4.0	● R5.0
		General Availability			
Ireland	Intellicom.io	Limited Availability		● R4.0	● R5.0
		General Availability			
	OnVoIP (G7eleven)	Limited Availability	● R3.2 (MA)		
		General Availability		TC2750 (R4.0)	(R5.0)
	Telcom	Limited Availability			● R5.0
		General Availability			
	Viatel	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Welltel	Limited Availability			
		General Availability	TC2671 (R3.1) TC2808 (R3.2)	TC2927 (R4.0)	(R5.0)
Italy	Active Network	Limited Availability			
		General Availability	TC2854 (R3.2)	(R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Italy	Asco Tlc	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	CloudItalia (with VPN MPLS)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	CloudItalia (without VPN MPLS)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Colt	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Messagenet	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Mynet	Limited Availability			
		General Availability		TC2941 (R4.0)	(R5.0)
	Net and work	Limited Availability			
		General Availability	TC2729 (R3.2)	(R4.0)	(R5.0)
	Planetel	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Plink	Limited Availability		● R4.0	● R5.0
		General Availability			
	Redder	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	ReteTel	Limited Availability		● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Italy	TIM (Telecom Italia)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	TIM - TTS Internet	Limited Availability		● R4.0	● R5.0
		General Availability			
	VoIPTEL Italia	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Voipvoice	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Wind	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	X-Stream	Limited Availability			
		General Availability	TC2775 (R3.2)	(R4.0)	(R5.0)
Kenya	Safaricom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Latvia	Lattelecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Luxembourg	Telkea	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Macao	CTM	Limited Availability		● R4.0	● R5.0
		General Availability			
Malaysia	Teletouch	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Maldives	Dhiraagu	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Malta	GO (Router with SIP-ALG -TOPO B)	Limited Availability		● R4.0	● R5.0
		General Availability			
	GO (Remote Hosted NAT-TOPO C)	Limited Availability			
		General Availability		TC2815 (R4.0)	(R5.0)
Mauritius	Emtel	Limited Availability		● R4.0	● R5.0
		General Availability			
Monaco	Monaco Telecom	Limited Availability		● R4.0	● R5.0
		General Availability			
Morocco	Orange (LAN-LAN/IP-VPN - TOPO A)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Orange (Remote Hosted NAT - TOPO C)	Limited Availability			
		General Availability		TC2969 (R4.0)	(R5.0)
Netherlands	ICTprovider	Limited Availability			
		General Availability	TC2649 (R3.1) TC2809 (R3.2)	(R4.0)	(R5.0)
	Infopact	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	KPN	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	My-Connect	Limited Availability			
		General Availability	TC2577 (R3.0) TC2810 (R3.2)	(R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Netherlands	Redworks	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	RoutIT	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Sollie.Comm	Limited Availability			
		General Availability	TC2651 (R3.1) TC2811 (R3.2)	(R4.0)	(R5.0)
	ViPro Services	Limited Availability			
		General Availability	TC2650 (R3.1) TC2812 (R3.2)	(R4.0)	(R5.0)
	Voiceworks	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Ziggo	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Winitu Comm.	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	X2COM	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
New Zealand	Spark (TNZ)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	WorldxChange	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Norway	Altibox	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Norway	Phonero	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telenor (Remote Hosted NAT - TOPO C)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Telenor (OXO Static NAT - TOPO D)	Limited Availability			
		General Availability	TC2656 (R3.1) TC2818 (R3.2)	TC2829 (R4.0)	(R5.0)
Philippines	PLDT	Limited Availability	● R3.2	● R4.0	
		General Availability			TC2945 (R5.0)
Poland	FCN	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Portugal	NOS	Limited Availability		● R4.0	● R5.0
		General Availability			
	Potugal Telecom	Limited Availability	● R3.2 (MA)		
		General Availability		TC2827 (R4.0)	(R5.0)
	Vodafone	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	VoIPPro	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Qatar	Vodafone	Limited Availability	● R3.2		
		General Availability		TC2905 (R4.0)	(R5.0)
Romania	RCS & RDS	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Romania	Romtelecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Russia	Telphin	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Saudi Arabia	GO Telecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	STC	Limited Availability	● R3.2		
		General Availability		TC2942 (R4.0)	(R5.0)
Senegal	Orange-Sonatel	Limited Availability			
		General Availability	TC2603 (R3.1) TC2819 (R3.2)	(R4.0)	(R5.0)
Serbia	Telekom Srbija	Limited Availability			
		General Availability	TC2562 (R3.0) TC2820 (R3.2)	(R4.0)	(R5.0)
	Telenor (Remote Hosted NAT - TOPO C)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telenor (OXO Static NAT - TOPO D)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
Seychelles	Cable & Wireless	Limited Availability			
		General Availability	TC2803 (R3.2)	(R4.0)	(R5.0)
Singapore	M 1	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	MyRepublic	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Singapore	NetPluz Asia	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Starhub	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Singtel	Limited Availability			
		General Availability	TC2789 (R3.2)	(R4.0)	(R5.0)
	Telegate	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Slovakia	Orange	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Swan	Limited Availability			
		General Availability	TC2691 (R3.1) TC2821 (R3.2)	(R4.0)	(R5.0)
	Telekom Slovakia	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
South Africa	Backspace	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Biztec	Limited Availability			
		General Availability	TC2790 (R3.2)	(R4.0)	(R5.0)
	VoxTelecom (LAN-LAN/IP-VPN - TOPO A)	Limited Availability			
		General Availability	TC2554 (R3.0) TC2689 (R3.2)	(R4.0)	(R5.0)
	VoxTelecom (Remote Hosted NAT - TOPO C)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Spain	Aire Networks	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Citelia	Limited Availability		● R4.0	● R5.0
		General Availability			
	Cloudio	Limited Availability	● R3.2		
		General Availability		TC2925 (R4.0)	(R5.0)
	Colt (LAN-LAN/IP-VPN - TOPO A)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Colt (Remote Hosted NAT - TOPO C)	Limited Availability	● R3.2		
		General Availability		TC2926 (R4.0)	(R5.0)
	Grupo IB 360	Limited Availability			
		General Availability	TC2911 (R3.2)	(R4.0)	(R5.0)
	Grupo Universal	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	LCR.com	Limited Availability			
		General Availability	TC2492 (R3.0) TC2655 (R3.1) TC2831 (R3.2)	(R4.0)	(R5.0)
	Telefonica (movistar)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Premium Max	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Sarenet (Sarevoz)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Spain	Sisnet	Limited Availability			
		General Availability	TC2738 (R3.2)	(R4.0)	(R5.0)
	TBC	Limited Availability			
		General Availability	TC2568 (R3.0) TC2832 (R3.2)	(R4.0)	(R5.0)
	Telecable	Limited Availability			
		General Availability	TC2727 (R3.2)	(R4.0)	(R5.0)
	VozTelecom	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	
		General Availability			TC2948 (R5.0)
	Zerovoz	Limited Availability	● R3.0 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
Sri Lanka	Dialog	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Sri Lanka Telecom	Limited Availability		● R4.0	● R5.0
		General Availability			
Sweden	TDC	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Tele 2	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Telia (Sip Entry)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	TeliaSonera	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Switzerland	E-fon	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	FL1.ch (ConVoip)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	ImproWare	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Iway.ch	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Peoplefone	Limited Availability			
		General Availability	TC2622 (R3.1) TC2833 (R3.2)	(R4.0)	(R5.0)
	SIPCall.Ch	Limited Availability			
		General Availability	TC2564 (R3.0) TC2834 (R3.2)	(R4.0)	(R5.0)
	Sunrise	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Swisscom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Ticino.com	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	UPC Cablecom (Router with SIP-ALG - TOPO B)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	UPC Cablecom (Remote Hosted NAT - TOPO C)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
Switzerland	VTX Telecom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Tanzania	TTCL	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Turkey	NetGSM	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Turk Telekom	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
UEA	Etisalat	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Ukraine	DataGroup	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
United Kingdom	9 Group Telecomm.	Limited Availability			
		General Availability	TC2703 (R3.1) TC2807 (R3.2)	TC2816 (R4.0)	(R5.0)
	Colt	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Gamma (Router with SIP-ALG - TOPO B)	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Gamma (OXO Static NAT - TOPO D)	Limited Availability			
		General Availability	TC2491 ed2 (R3.0) TC2740 (R3.2)	TC2844 (R4.0)	(R5.0)
	Nasstar (GCI)	Limited Availability			
		General Availability		TC2788 (R4.0)	(R5.0)

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
United Kingdom	IceDigital	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Talk Talk	Limited Availability			
		General Availability	TC2496 (R3.0) TC2835 (R3.2)	(R4.0)	(R5.0)
	Voiceflex	Limited Availability			
		General Availability	TC2510 (R3.0) TC2846 (R3.2)	(R4.0)	(R5.0)
	VoiceHost (Remote Hosted NAT - TOPO C)	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	VoiceHost (OXO Static NAT - TOPO D)	Limited Availability			
		General Availability	TC2751 (R3.2)	(R4.0)	(R5.0)
	VoipUnlimited	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
Uruguay	Antel	Limited Availability	• R3.2 (MA)		
		General Availability		TC2904 (R4.0)	(R5.0)
USA	Access Point	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Akabis	Limited Availability			
		General Availability	TC2739 (R3.2)	(R4.0)	(R5.0)
	Allo Comm.	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			
	Appia	Limited Availability	• R3.2	• R4.0	• R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
USA	ATC	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Bandwidth.com	Limited Availability			
		General Availability	TC2566 (R3.0) TC2847 (R3.2)	(R4.0)	(R5.0)
	Broadvox	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	CCI Networks	Limited Availability			
		General Availability	TC2613 (R3.0) TC2848 (R3.2)	(R4.0)	(R5.0)
	Century Link	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Clearfly	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Comcast	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	CoreDial	Limited Availability		● R4.0	● R5.0
		General Availability			
	Cox	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Cspire	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Estech System Inc (ESI)	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
USA	Fusion	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Fusion 360°	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Inteliquent	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Net2Phone	Limited Availability		● R4.0	● R5.0
		General Availability			
	One Ring Networks	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Pinpoint	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Rise Broadband	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Saddleback Comm.	Limited Availability			
		General Availability	TC2605 (R3.0) TC2849 (R3.2)	(R4.0)	(R5.0)
	Securenet	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Shift 8	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	S-NET	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

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Country	SIP Provider	Approval Type	Releases		
			Branch OXO CONNECT R3.X	Branch OXO CONNECT R4.0	Branch OXO CONNECT R5.0
	Sotel	Limited Availability	● R3.2 (MA)	● R4.0 (MA)	● R5.0 (MA)
		General Availability			
	Spectrum	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Time Warner	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Unite Private Networks	Limited Availability		● R4.0	● R5.0
		General Availability			
USA	Univerge Blue	Limited Availability		● R4.0	● R5.0
		General Availability			
	Vitelity	Limited Availability		● R4.0	● R5.0
		General Availability			
	Windstream	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
Vietnam	FPT	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			
	Viettel	Limited Availability		● R4.0	● R5.0
		General Availability			
	VNPT	Limited Availability	● R3.2	● R4.0	● R5.0
		General Availability			

(MA) Migrated Availability, indicates that a Limited Availability R10.3, Connect 2.x, Connect R3.x, Connect R4.0 or Connect R5.0 SIP Profile is available on the BP web site and you can readily use it for SIP trunk deployment. This Limited Availability SIP profile must be used together with the previous certified G.A Technical communication.

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Any OXO sites you deploy with this L.A SIP Profile (there is no limit to the quantity of sites) are considered as Pilot sites. Therefore, please inform the SIP Technical support team (sip-for-smb@al-enterprise.com) about your site/s and they will monitor them on your behalf during the standard 4 week pilot period.

Note: L.A pilot site solutions comply with the same features and restrictions level that was previously certified in the G.A branch. This compatibility level is detailed in the associated G.A Technical communication.

Only if additional features or configuration changes are required on the L.A site but are not approved in the reference G.A Technical communication, will a limited test/trace phase need to be managed again in relation with the new changes.

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4 Phased out Releases – GA solutions

Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Andorra	Andorra Telecom		**TC2452** (R2.X)
Australia	Telstra	**TC2355** (R10.3)	● **R2.2** (MA)
Austria	A 1 (Business VoIP)		**TC2412** (R2.X)
	A 1 (IP-SIP Trunk)		**TC2411** (R2.X)
	A1 (METRO)	**TC2272** (R10.3)	● **R2.2** (MA)
	TELE 2	**TC2111** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
Brazil	Voitel	**TC2166** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
Canada	Bell Canada	**TC2300** (R10.3)	● **R2.2** (MA)
	Telenet	**TC2314** (R10.3)	**TC2415** (R2.X)
France	Add-On	**TC2108** (R10.0) **TC2282** (R10.3)	● **R2.2** (MA)
	Codepi	**TC2280** (R10.3)	**TC2424** (R2.X)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
France	Colt (Remote Hosted NAT-TOPO C)		**TC2512** (R2.X)
	Coriolis Telecom		**TC2540** (R2.X)
	Fingerprint	**TC2408** (R10.3)	● **R2.2** (MA)
	Hexanet	**TC2042** (R10.0) ● **R10.3** (MA)	● **R2.2** (MA)
	Hexatel	**TC2294** (R10.3)	**TC2548** (R2.X)
	Jaguar		**TC2614** (R2.X)
	Keyyo	**TC1996** ed3 (R10.0) **TC2293** (R10.3)	**TC2427** (R2.X)
	Legos	**TC2127** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
	Leonix		**TC2500** (R2.X)
	Linker	**TC2520** (R10.3)	● **R2.2** (MA)
	Linkt		**TC2426** (R2.1) **TC2748** (R2.2)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
France	Nerim		**TC2371** (R2.0) ● **R2.2** (MA)
	Networth Telecom		**TC2454** (R2.X)
	NXO Telecom		**TC2465** (R2.X)
	OBS-Biv	**TC2072** (R10.1) **TC2214** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
	One Operateur (LAN-LAN/IP-VPN - TOPO A)	**TC2152** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
	One Operateur (Remote Hosted NAT - TOPO C)		**TC2359** (R2.0) ● **R2.2** (MA)
	OpenIP	**TC2071** (R10.0) **TC2100** (R10.1) **TC2164** (R10.2) **TC2238** (R10.3)	● **R2.2** (MA)
	OpenIP (MyOPENIP)	**TC2425** (R10.3)	**TC2436** (R2.X)
	OpenVNO (Alphalink)	**TC2056** ed2 (R10.0) **TC2204** (R10.2) ● **R10.3** (MA)	**TC2370** (R2.0) ● **R2.2** (MA)
	OVH	**TC2031** ed2 (R10.0) **TC2148** (R10.2) **TC2281** ed2 (R10.3)	**TC2464** (R2.X)
	Unyc (Serveurcom)	**TC2271** (R10.3)	**TC2409** (R2.X)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
France	Sewan	**TC2397** (R10.3)	**TC2356** (R2.0) ● **R2.2** (MA)
	SFR (Remote Hosted NAT-TOPO C)		**TC2535** ed2 (R2.X)
	Synelyans A	**TC2088** ed2 (R10.0) **TC2154** ed2 (R10.2) **TC2259** (R10.3)	**TC2451** (R2.X)
	Telecom Object		**TC2443** (R2.X)
	Deutsche Telefon	**TC2230** (R10.3)	● **R2.2** (MA)
Germany	Deutsche Telekom DeutschlandLAN SIP Trunk	**TC2488** ed2 (R10.3)	**TC2395** ed4 (R2.X)
	Deutsche Telekom DLAN IP Voice/Data (Router with SIP-ALG-TOPO B)	**TC2208** (R10.2) **TC2237** (R10.3)	**TC2284** (R2.0) ● **R2.2** (MA)
	Deutsche Telekom DLAN IP Voice/Data (Remote Hosted NAT-TOPO C)	**TC2209** (R10.2) **TC2245** (R10.3)	● **R2.2** (MA) **TC2327** (R2.0)
	Easybell		**TC2453** (R2.X)
	Ecotel	**TC2298** (R10.3)	● **R2.2** (MA)
	Ecotel Trunk 2.0	**TC2396** (R10.3)	**TC2283** (R2.0) **TC2405** (R2.X)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Germany	EnviaTel	TC2165 (R10.2) ● R10.3 (MA)	TC2466 (R2.X)
	HFO Telecom	TC2174 (R10.2) TC2552 (R10.3)	● R2.2 (MA)
	ITK Connect		TC2440 (R2.X)
	PŸUR (HL Komm) (Remote Hosted NAT-TOPO C)	TC2022 (R10.0) ● R10.3 (MA)	TC2467 (R2.X)
	PŸUR (HL Komm) (Router with SIP-ALG -TOPO B)	TC2332 (R10.3)	TC2404 (R2.X)
	Plusnet (QSC)	TC2279 (R10.3)	TC2292 (R2.0) TC2442 (R2.X)
	Reventix	TC2297 (R10.3)	TC2358 (R2.0) TC2406 (R2.X)
	SIPgate	TC2189 (R10.2) ● R10.3 (MA)	● R2.2 (MA)
	Soco	TC2239 (R10.3)	● R2.2 (MA)
	SWT Trilan (DDI)	TC2216 (R10.3)	● R2.2 (MA)
	Vodafone	TC2203 (R10.2) TC2217 (R10.3)	● R2.2 (MA)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Greece	OTE	**TC2295** (R10.3)	● **R2.2** (MA)
Hungary	Ace Telecom	**TC2125** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
	Intellicom	**TC2055** (R10.0) ● **R10.3** (MA)	● **R2.2** (MA)
Ireland	OnVoIP (G7eleven)	**TC2081** (R10.1) ● **R10.3** (MA)	**TC2407** (R2.X)
	Viatel	**TC2330** (R10.3)	● **R2.2** (MA)
Italy	CloudItalia (with VPN MPLS)	**TC2113** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
	CloudItalia (without VPN MPLS)	**TC2218** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
	X-Stream	**TC2299** (R10.3)	**TC2357** (R2.0) **TC2435** (R2.X)
Netherlands	ICTprovider	**TC2333** (R10.3)	**TC2646** (R2.X)
	My-Connect		**TC2536** (R2.X)
	Sollie.Comm		**TC2648** (R2.X)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Netherlands	ViPro Services	TC2383 (R10.3)	TC2647 (R2.X)
	Voiceworks	TC2153 (R10.2) TC2273 (R10.3)	TC2369 ed2 (R2.X)
	Ziggo	TC2070 (R10.0) ● R10.3 (MA)	● R2.2 (MA)
Norway	Altibox	TC2124 (R10.1) ● R10.3 (MA)	● R2.2 (MA)
	Telenor (Remote Hosted NAT - TOPO C)	TC2172 (R10.1) ● R10.3 (MA)	● R2.2 (MA)
	Telenor (OXO Static NAT - TOPO D)	TC2173 (R10.1) TC2487 (R10.3)	● R2.2 (MA)
Portugal	Potugal Telecom	TC2107 (R10.1) ● R10.3 (MA)	● R2.2 (MA)
	Vodafone	TC2229 (R10.3)	● R2.2 (MA)
Singapore	M 1	TC2099 (R10.1) ● R10.3 (MA)	TC2434 (R2.X)
	NetPluz Asia	TC2112 (R10.1) ● R10.3 (MA)	● R2.2 (MA)
Slovakia	Orange	TC2098 (R10.1) ● R10.3 (MA)	● R2.2 (MA)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Slovakia	Telekom Slovakia	**TC2441 (R10.3)**	● **R2.2 (MA)**
South Africa	VoxTelecom (LAN-LAN/IP-VPN - TOPO A)	**TC2079 (R10.1)** **TC2313 (R10.3)**	**TC2372 ed2 (R2.X)**
	VoxTelecom (Remote Hosted NAT - TOPO C)	**TC2030 ed2 (R10.0)** ● **R10.3 (MA)**	● **R2.2 (MA)**
Spain	Grupo Universal	**TC2213 (R10.2)** **TC2228 (R10.3)**	**TC2489 (R2.X)**
	LCR.com	**TC2016 (R10.0)** **TC2082 (R10.1)** **TC2147 (R10.2)** **TC2224 (R10.3)**	**TC2260 (R2.0)** **TC2360 ed2 (R2.X)**
	Telefonica (movistar)	**TC1997 (R10.0)** ● **R10.3 (MA)**	● **R2.2 (MA)**
	Premium Max	**TC2041 (R10.0)** ● **R10.3 (MA)**	● **R2.2 (MA)**
	Sarenet (Sarevoz)	**TC2240 (R10.3)**	● **R2.2 (MA)**
	TBC	**TC2468 (R10.3)**	● **R2.2 (MA)**
	Voz Telecom	**TC2090 (R10.1)** ● **R10.3 (MA)**	**TC2410 (R2.X)**
	Zerovoz	**TC2270 (R10.3)**	● **R2.2 (MA)**

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
Sweden	TDC	**TC2043** (R10.0) ● **R10.3** (MA)	● **R2.2** (MA)
	Telia (Sip Entry)	**TC2354** (R10.3)	**TC2373** (R2.0) ● **R2.2** (MA)
Switzerland	Peoplefone	**TC2089** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
	Sunrise	**TC2398** (R10.3)	● **R2.2** (MA)
	Ticino.com		**TC2374** (R2.0) ● **R2.2** (MA)
	UPC Cablecom (Remote Hosted NAT - TOPO C)	**TC2168** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
United Kingdom	Gamma (Router with SIP-ALG - TOPO B)	**TC2215** (R10.2) ● **R10.3** (MA)	● **R2.2** (MA)
	Gamma (OXO Static NAT - TOPO D)	**TC2126** (R10.1) **TC2205** (R10.2) **TC2331** (R10.3)	**TC2296** (R2.0) **TC2561** (R2.X)
	Talk Talk		**TC2463** (R2.X)
	Voiceflex	**TC2091** (R10.1) ● **R10.3** (MA)	**TC2329** (R2.0) ● **R2.2** (MA)
Uruguay	Antel	**TC2567** (R10.3)	● **R2.2** (MA)

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Country	SIP Provider	Branch RCE 10.X	Branch OXO CONNECT R2.X
USA	Clearfly		**TC2328** (R2.0) ● **R2.2** (MA)
	Rise Broadband	**TC2136** (R10.1) ● **R10.3** (MA)	● **R2.2** (MA)
	Securenet		**TC2511** (R2.X)
	Sotel		**TC2450** (R2.X)

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5 Ongoing Projects

The following table gives a rough status of the approval projects that are being carried out.

Country	SIP Provider	Status
Australia	Mondo Talk	Tests in progress
Belgium	X2com	Task planned, tests not started yet
Canada	FGL Telecom	Tests in progress
France	Avelia	Task planned, tests not started yet
	Next-Operateur	Task planned, tests not started yet
	Netiwan	Task planned, tests not started yet
	Stella Telecom	Task planned, tests not started yet
	Wixip	Tests in progress
Germany	Global Connect	Task planned, tests not started yet
	Stadtwerke Wunsiedel	Tests in progress
	VSE Net Gmbh	Task planned, tests not started yet
Ghana	MTN	Tests in progress
Greece	Supervoice	Tests in progress
Hungary	UPC	Tests in progress
Italy	Bell International	Tests in progress
Ivory Coast	Orange	Tests in progress
Mauritius	Mauritius Telecom	Task planned, tests not started yet
Malaysia	Telekom Malaysia	Tests in progress
Netherlands	Mobicom	Tests in progress
Poland	3S-sat	Task planned, tests not started yet
	Itel	Tests in progress
Spain	Alisys	Tests in progress
	Euskaltel	Tests in progress
Taiwan	Chungwa Telecom	Task planned, tests not started yet
UK	AQL	Tests in progress
	British Telecom	Tests in progress
	Nasstar (Topo D)	Tests in progress

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6 Aborted Projects

The following Public Operators were either:

- In the scope, but the approval project was finally cancelled.
- Already approved, but finally ended.

Country	SIP Provider	Status	ALE Reference
Germany	Ewe Tel (Remote Hosted NAT-TOPO C)	Provider's commercial offer is Phased Out *(November 2021)*	**TC2539 (R3.0)** **TC2764 (R3.2)**
Germany	Ewe Tel (Router with SIP-ALG - TOPO B)	Provider's commercial offer is Phased Out *(November 2021)*	

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Submitting a Service Request

Please connect to our eService Request application.

Before submitting a Service Request, please be sure:

- The application has been certified via the AAPP if a third-party application is involved.
- You have read the release notes that list new features, system requirements, restrictions, and more, and are available in the Technical Documentation Library.
- You have read through the related troubleshooting guides and technical bulletins available in the Technical Documentation Library.
- You have read through the self-service information on commonly asked support questions and known issues and workarounds available in the Technical Knowledge Center.

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