

Broadband Connectivity Service (BBCS)

Version	14-22
Issue date	23.09.2019
Replaces version	14-21 or previous
Valid from	01.10.2019
Contract	Contract for Broadband Connectivity Services

Content

1	Recently tested BBCS (ADSL, ADSL2+, VDSL2, VDSL2 G.vector, G.fast) equipment	3
1.1	xDSL-modems and routers	3
2	BBCS approved ADSL equipment	5
2.1	ADSL-modems and routers Annex A.....	5
2.2	ADSL-modems and routers for Annex B.....	8
3	Disclaimer	11

1 Recently tested BBCS (ADSL, ADSL2+, VDSL2, VDSL2 G.vector, G.fast) equipment

1.1 xDSL-modems and routers

The xDSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.
Swisscom recommends the End User to use the xDSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

Supplier	Model	Customer Premises Equipment				Technology								Model	Chipset			FW / BSP
		CPE-FW	CPE-DP	Fibre	1000 Base-BX	XGS-PON	ADSL	ADSL2+	VDSL2	V-VDSL2	ADSL	ADSL2+	VDSL2		V-VDSL2	G.fast	ADSL	
ADB	Centro Business V1	7.12.10	n/a	X	X	X	X	X		X	X			BDCM 6368	38q	38q	n/a	n/a
	Centro Business V2	9.02.12 / 9.02.14	n/a	X	X	X	X	X		X	X	X		BDCM 63138	42m	42m	42p1	n/a
	Centro Business V2	9.04.04	n/a	X	X	X	X	X		X	X	X		BDCM 63138	42m	42m	43j2	n/a
	Centro Grande ADB	6.16.12 / 14	n/a	X	X	X	X							BDCM 6368	38q	38q	n/a	n/a
	VV2220	4.0.0.00.70	n/a		X	X	X							BDCM 63168	38q	38q	n/a	n/a
Arcadyan	Internet Box 3 (IB3)	11.00.14	n/a	X*	X*	X*	X*	X*		X*	X*	X*		BDCM 63158	46j	46j	46j	5.02L06
	Internet Box Standard (Starlite - SLT)	10.02.36 / 10.02.40	n/a	X	X	X	X		X	X				BDCM 63168	38q	38q	n/a	n/a
Arris	Centro Grande v1 Arris	9.0.10h2d26	n/a	X	X	X	X							BDCM 6368	38q	38q	n/a	n/a
	Centro Grande v2 Arris	9.0.10h2d26	n/a	X	X	X	X							BDCM 6368	38q	38q	n/a	n/a
	Centro Piccolo Arris	9.0.10h2d26	n/a	X	X	X	X							BDCM 6368	38q	38q	n/a	n/a
Askey	Internet Box 2 (Stargate V2 - SG2)	10.02.36	n/a	X	X	X	X		X	X	X		BDCM 63138	43j2	43j2	43j2	n/a	
	Internet Box Light (Starlink - SLK)	08.05.02	n/a		X	X	X		X	X				BDCM 63381	41g	41g	n/a	n/a
AudioCode	Mediant-500L-MSBR	6.80A.335.005	n/a		X	X	X						IFTN VRX268	5731501	5781207	n/a	n/a	
AVM	Fritzbox 7490	113.07.01	1.100.136.15			X	X						IFTN VRX288	n/a	591407	n/a	n/a	
	Fritzbox 7430	146.06.52	1.100.133.44			X	X						IFTN VRX288	n/a	578917	n/a	n/a	
	Fritzbox 7560	149.06.69	1.148.135.11			X	X						A9-VRX3/518	n/a	790C17	n/a	n/a	
	Fritzbox 7530	164.07.00	1.180.129.50			X	X		X	X			A9-VRX3/518	n/a	n/a	n/a	n/a	
	Fritzbox 7582	156.07.01	n/a			X	X		X	X	X		BDCM 63138	42m	42m	43j2	n/a	
	Fritzbox 7590	154.07.00	1.180.129.50			X	X		X	X			A9-VRX3/518	n/a	n/a	n/a	n/a	
Bintec-Elmeg	belP	10.1.27	n/a			X	X		X	X			IFTN VRX288	n/a	578917	n/a	n/a	
	RS353jv	10.1.27	n/a			X	X		X	X			IFTN VRX288	n/a	578917	n/a	n/a	

X* temporary approval for pilot

Supplier	Model	Customer Premises Equipment		Technology							Chipset			FW / BSP			
		CPE-FW	CPE-DP	Fibre	POTS	ISDN	Model	DP		ADSL	VD SL2	G.fast	XGS-PON				
				1000 Base-BX XGS-PON	ADSL	ADSL2+ VD SL2	V-VD SL2	ADSL	ADSL2+ VD SL2	V-VD SL2	G.fast						
Cisco	2921 HWIC VA	15.4(3)M4	n/a			X	X					BDCM 6368	n/a	38q	n/a	n/a	
	4300-NIM-VA8-A	16.9.1	n/a			X	X		X	X		BDCM 63168	38q	38q	n/a	n/a	
	886VA	15.2(4)M5	n/a					X	X	X		BDCM 6368	38r1	38r1	n/a	n/a	
		15.5(3)M6a	n/a					X	X	X		BDCM 6368	38r1	38r1	n/a	n/a	
	887VA	15.2(4)M5	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a	
		15.5(3)M6a	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a	
		15.3(3)M4	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a	
	C887VA-K9		15.4(3)M4	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
			15.5(3)M6a	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
			15.7(3)M4	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
	C897VA-K9		15.4(3)M4	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
			15.5(3)M6a	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
			15.7(3)M4	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a
	C1113	16.9.2	n/a		X	X	X		X	X	X	BDCM 63138	43j2	43j2	43j2	n/a	
C1117	16.9.20180	n/a		X	X	X		X	X		BDCM 63168	38q	38q	n/a	n/a		
Huawei	Starplug	n/a (currently supported by Cisco C897, Starlite, Stargate V1)	n/a								X	MTIA 5321	n/a	n/a	8811r039	n/a	
	HNS255Vs	V3R018C00S108	n/a	X*								HiSilicon SD5118V2	n/a	n/a	n/a	V200R006C10B072	
Lancom	1781 series / 1783 series	09.10.0530	n/a		X	X	X					IFTN VRX268	572F11	577617	n/a	n/a	
oneAccess	1645 (one540, one700)	015.02 (5.2R1E4)	n/a			X	X		X	X		IFTN VRX268	n/a	574E17	n/a	n/a	
	1645 (One540) ADSL POTS	011.10 (5.2R1E2)	n/a			X						IFTN VRX268	571801	n/a	n/a	n/a	
	1645 (One540) ADSL ISDN	011.10 (5.2R1E2)	n/a					X				IFTN VRX268	571502	n/a	n/a	n/a	
	ONE425	5.2R1E4	n/a			X	X		X	X		IFTN VRX268	n/a	574E17	n/a	n/a	
Sagemcom	Fast 5360	SG4D10001426	n/a		X	X	X		X	X	X	BDCM 63138	43j2	43j2	43j2	n/a	
Siligence	Internet Box Plus (Stargate V1 - SG)	10.02.36	n/a	X	X	X	X		X	X		BDCM 63168	38q	38q	n/a	n/a	
Thomson	TG789vac	R10.5.8.J	n/a		X	X	X	X				BDCM 63168	38q	38q	n/a	n/a	
Westermo	Falcon	WeOS 4.21	n/a		X	X		X	X			Vinax	n/a	9611305	n/a	n/a	
ZyXEL	P-870H-51a (V1, V2)	1.12(VFJ.10)	n/a			X	X					BDCM 6368	n/a	38q	n/a	n/a	
	P-870H-53a (V1, V2)	1.12(VFK.10)	n/a						X	X		BDCM 6368	n/a	38r1	n/a	n/a	
	P-870HN-51b (V1, V2)	1.12(VFH.10)	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a	
	P-870HN-53b (V1, V2)	1.12(VFL.10)	n/a					X	X	X		BDCM 6368	38r1	38r1	n/a	n/a	
	SBG 3300N (3500N, 3600N, VMG1312)	V100AAV1C0 (V100AATP1C0, V100AAZN3C0, V100AAJZ6C1)	n/a			X	X						BDCM 63168	n/a	38q	n/a	n/a
	SBG 3300N-I (3500N-I)	V100AAV1C0 (V100AATQ1C0)	n/a						X	X		BDCM 63168	n/a	38r1	n/a	n/a	
	SBG5500-A	V1.10(AAZT.0)C0	n/a			X	X		X	X		BDCM 63138	n/a	42m	n/a	n/a	
	XMG3927-B50A	ABMT0C	n/a			X	X		X	X	X	BDCM 63138	n/a	43j2	43j2	n/a	

X* temporary approval for pilot

2 BBCS approved ADSL equipment

2.1 ADSL-modems and routers Annex A

The ADSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.
Swisscom recommends the End User to use the ADSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

1) Phase out per 31.12.2020.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Cisco 827 ¹⁾ Router; Ethernet interface	PPP only	(✓)	Cisco	www.cisco.com/univercd/cc/td/doc/pcat/827.htm
ADSL Annex A	Cisco 837 ¹⁾ Router; Ethernet interface	PPP only	(✓)	Cisco	www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/837/qsg/837qsg.htm
ADSL Annex A	Cisco 877 ¹⁾ Router; Ethernet interface	PPP only	✓	Cisco	http://www.cisco.com/en/US/products/ps6202/index.html
ADSL Annex A	Cisco 1700 with WIC-1ADSL ¹⁾ Router; Ethernet interface	PPP only	✓	Cisco	www.cisco.com/univercd/cc/td/doc/pcat/1721.htm
ADSL Annex A	Cisco 2600 with WIC-1ADSL ¹⁾ Router; Ethernet interface	PPP only	✓	Cisco	http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm
ADSL Annex A	Zyxel P-642ME-11 ¹⁾ / P-642R-11 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Zyxel P-650ME-11 ¹⁾ / P-650R-11 ¹⁾ / P-650H-11 ¹⁾ / P-650HW-11 ¹⁾ / P-652R-11 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-650ME-31 ¹⁾ / P-650R-31 ¹⁾ / P-650H-31 ¹⁾ / P-650HW-31 ¹⁾ / P-652H-31 ¹⁾ / P-652HW-31 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-630-C1 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-650R-E1 ¹⁾ / P-653HWI-11 ¹⁾ / P-653HI-31 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-623ME-T1 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660R-61 ¹⁾ / P-660H-61 ¹⁾ / P-660HW-61 ¹⁾ / P-662HW-61 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-2602R-61 ¹⁾ / P-2602HW-61 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660ME-T1 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660H-D1 ¹⁾ / P-660HW-D1 ¹⁾ / P-661HW-D1 ¹⁾ / P-661H-D1 ¹⁾ / P-662H-D1 ¹⁾ / P-662HW-D1 ¹⁾ / P-2602RL-D1 ¹⁾ (Orange BabyBox)	PPP only	✓	ZyXEL	www.studerus.ch FW 3.40(APE.0)D1 Baugleich mit 660HW-D1
ADSL Annex A	Zyxel P-660ME-D1 ¹⁾ / P-660R-D1 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Zyxel P-660HN-F1Z ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660HU-T1 ¹⁾ / P660HNU-T1 ¹⁾	PPP/DHCP	✓	ZyXEL	www.studerus.ch Firmware: 1.02(VLM.2)D0 Datapump: 3.16.20.7A

Comments:

¹⁾ CPE is end of support and approval shall be removed by the end of 2020

- ✓ CPE is ADSL@IP DSLAM tested and OK
- (✓) CPE is ADSL@IP DSLAM tested and OK but performance is low
- (-) CPE is under ADSL@IP DSLAM testing
- ✘ CPE is ADSL@IP DSLAM tested and NOT OK
- CPE is not ADSL@IP DSLAM tested

2.2 ADSL-modems and routers for Annex B

The ADSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.
Swisscom recommends the End User to use the ADSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

1) Phase out per 31.12.2020.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Cisco 836 ¹⁾ Ethernet interface	PPP only	(✓)	Cisco	www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm
ADSL Annex B	Zyxel Prestige 630-13 ¹⁾ / P-650ME-13 ¹⁾ / P-650R-13 ¹⁾ / P-650H-13 ¹⁾ / P-650HW-13 ¹⁾ / P-652R-13 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-630-C3 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-650ME-33 ¹⁾ / P-650R-33 ¹⁾ / P-650HW-33 ¹⁾ / P-652HW-33 ¹⁾ / P-650H-33 ¹⁾ / P-652H-33 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-650R-E3 ¹⁾ / P-653HWI-13 ¹⁾ / P-653HI-33 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel Prestige 623ME-T3 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Zyxel P-660HW-63 ¹⁾ / P-662HW-63 ¹⁾ / P-660H-63 ¹⁾ / P-660R-33 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-2602R-63 ¹⁾ / P-2602HW-63 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-660ME-T3 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-660R-D3 ¹⁾ / P-660ME-D3 ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch Baugleich mit 660HW-D3
ADSL Annex B	Zyxel P-660H-D3 ¹⁾ / P-660HW-D3 ¹⁾ / P-661H-D3 ¹⁾ / P-661HW-D3 ¹⁾ / P-662H-D3 ¹⁾ / P-662HW-D3 ¹⁾ / P-2602RL-D3 ¹⁾ (Orange BabyBox)	PPP only	✓	ZyXEL	www.studerus.ch FW 3.40(APN.0)D1 Baugleich mit 660HW-D3
ADSL Annex B	Zyxel P-660HN-F3Z ¹⁾	PPP only	✓	ZyXEL	www.studerus.ch

Comments:

- 1) CPE is end of support and approval shall be removed by the end of 2020
- ✓ CPE is ADSL@IP DSLAM tested and OK
- (✓) CPE is ADSL@IP DSLAM tested and OK but performance is low
- (-) CPE is under ADSL@IP DSLAM testing
- ✘ CPE is ADSL@IP DSLAM tested and NOT OK
- CPE is not ADSL@IP DSLAM tested

3 Disclaimer

- The CPE (modem or router) is owned by the End User or (I)SP and is under the service responsibility of the End User or (I)SP.
- This document is subject to alterations. Swisscom (Switzerland) Ltd. is not responsible for CPE changes, which are not tested separately.
- In case of an End User in-house problem, Swisscom (Switzerland) Ltd. will test the line synchronisation with a Swisscom CPE as reference. It is possible that the CPE from another manufacturer does not synchronise due to longer distance between the Central Office and the End User.