

# Broadband Connectivity Service (BBCS)

<b>Version</b>	14-24
<b>Issue date</b>	27.08.2020
<b>Replaces version</b>	14-23 or previous
<b>Valid from</b>	01.09.2020
<b>Contract</b>	Contract for Broadband Connectivity Services

**Content**

<b>1</b>	<b>Recently tested BBCS equipment</b> .....	<b>3</b>
1.1	ADSL, ADSL2+, VDSL G.vector, G.fast, XGS-Pon modems and routers .....	3
<b>2</b>	<b>BBCS approved ADSL equipment</b> .....	<b>5</b>
2.1	ADSL-modems and routers Annex A.....	5
2.2	ADSL-modems and routers for Annex B.....	8
<b>3</b>	<b>Disclaimer</b> .....	<b>11</b>

**1 Recently tested BBCS equipment**

1.1 ADSL, ADSL2+, VDSL G.vector, G.fast, XGS-Pon modems and routers

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

Supplier	CPE	CPE-FW	Customer Premises Equipment				Technology					Model	Chipset			FW / BSP		
			CPE-DP	Fibre	POTS	ISDN	ADSL	ADSL2+	VDSL2 Vectoring	ADSL2+	VDSL2 Vectoring		G.fast	ADSL	VDSL2		G.fast	
																		XGS-PON
ADB	Centro Business V1	7.12.12	n/a				X	X	X					BDCM 6368	38q	38q	n/a	n/a
ADB	Centro Business V2	9.04.04 / 06	n/a				X	X	X		X	X		BDCM 63138	42m	42m	43j2	n/a
ADB	Centro Business V2	9.04.10	n/a				X	X	X		X	X		BDCM 63138	42m	42m	43j2	n/a
ADB	Centro Grande ADB	6.16.12 / 14	n/a				X	X	X					BDCM 6368	38q	38q	n/a	n/a
ADB	VV2220	4.1.0.0016	n/a				X	X	X					BDCM 63168	38q	38q	n/a	n/a
ADB	SFP, SX-1001	4.4.5.020 (currently supported only by Centro Business V2)	n/a	X*										Cortina CA8271S rev.D	n/a	n/a	n/a	R1 0.0.0.0
Arcadyan	Internet Box 3 (IB3)	11.01.20	n/a	X*	X	X	X		X	X				BDCM 63158	46j2	46j2	46j2	5.02L06
Arcadyan	Internet Box Standard (Starlite - SLT)	10.04.40	n/a		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							BDCM 6368	38q	38q	n/a	n/a
Arris	Centro Grande v2 Arris	9.0.10h2d26	n/a		X	X	X							BDCM 6368	38q	38q	n/a	n/a
Arris	Centro Piccolo Arris	9.0.10h2d26	n/a		X	X	X							BDCM 6368	38q	38q	n/a	n/a
Askey	Internet Box 2 (Stargate V2 - SG2)	10.04.40	n/a		X	X	X		X	X				BDCM 63138	43j2	43j2	43j2	n/a
Askey	Internet Box Light (Starlink - SLK)	08.06.06	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							IFTN VRX288	n/a	591407	n/a	n/a
AVM	Fritzbox 7430	146.06.52	1.100.133.44				X							IFTN VRX288	n/a	578917	n/a	n/a
AVM	Fritzbox 7560	149.06.69	1.148.135.11				X							A9-VRX3/518	n/a	790C17	n/a	n/a
AVM	Fritzbox 7530	164.07.00	1.180.129.50				X		X					A9-VRX3/518	n/a	n/a	n/a	n/a
AVM	Fritzbox 7582	156.07.01	n/a				X		X	X				BDCM 63138	42m	42m	43j2	n/a
AVM	Fritzbox 7590	154.07.20	1.180.131.54				X		X					A9-VRX3/518	n/a	n/a	n/a	n/a
Bintec-Elmeg	belP	10.1.27	n/a				X		X					IFTN VRX288	n/a	578917	n/a	n/a
Bintec-Elmeg	RS353jv	10.1.27	n/a				X		X					IFTN VRX288	n/a	578917	n/a	n/a

X\* temporary approved for usage until 31.12.2020

V2.92

Supplier	CPE	CPE-FW	Customer Premises Equipment				Technology					Model	Chipset			FW / BSP					
			CPE-DP	Fibre	POTS	ISDN	ADSL	ADSL2+	VDSL2	Vectoring	ADSL		ADSL2+	VDSL2	Vectoring		G.fast	ADSL	VDSL2	G.fast	XGS-PON
Cisco	2921 HWIC VA	15.4(3)M4	n/a					X					BDCM 6368	n/a	38q	n/a	n/a				
Cisco	4300-NIM-VAB-A	16.9.2	n/a					X		X			BDCM 63168	38q	38q	n/a	n/a				
Cisco	886VA	15.2(4)M5	n/a						X	X			BDCM 6368	38r1	38r1	n/a	n/a				
Cisco		15.5(3)M6a	n/a						X	X			BDCM 6368	38r1	38r1	n/a	n/a				
Cisco	887VA	15.2(4)M5	n/a		X	X							BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.5(3)M6a	n/a		X	X							BDCM 6368	38q	38q	n/a	n/a				
Cisco	C887VA-K9	15.3(3)M4	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.4(3)M4	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.5(3)M6a	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.7(3)M5	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco	C897VA-K9	15.4(3)M4	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.5(3)M6a	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco		15.7(3)M5	n/a		X	X	X						BDCM 6368	38q	38q	n/a	n/a				
Cisco	C1113	16.9.5	n/a		X	X	X		X	X			BDCM 63138	43j2	43j2	43j2	n/a				
Cisco		17.2.1r	n/a				X		X	X			BDCM 63138	43j2	43j2	43j2	n/a				
Cisco	C1117	16.9.20180	n/a		X	X	X		X				BDCM 63168	38q	38q	n/a	n/a				
Cisco	C1127 (baugleich zu C1117, 16.9.20180)	16.12.2	n/a		X	X	X		X				BDCM 63168	38q	38q	n/a	n/a				
Huawei	SFP, Starplug	n/a (currently supported by Cisco C897, Starlite, Stargate V1)	n/a								X	MTIA 5321	n/a	n/a	8811r045	n/a	n/a				
Huawei	HN8255Ws	V3R018C00S108	n/a		X*							HiSilicon SD5118V2	n/a	n/a	n/a	V200R006C10B072	n/a				
Huawei	HN8250Ts	V3R019C20S929T	n/a		X							HiSilicon SD5118V2	n/a	n/a	n/a	V300R019C20	n/a				
Lancom	1781 series / 1783 series	09.10.0530	n/a		X	X	X					IFTN VRX268	572F11	577617	n/a	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	n/a				
oneAccess	1645 (One540) ADSL POTS	011.10 (5.2R1E2)	n/a			X						IFTN VRX268	571801	n/a	n/a	n/a	n/a				
oneAccess	1645 (One540) ADSL ISDN	011.10 (5.2R1E2)	n/a						X			IFTN VRX268	571502	n/a	n/a	n/a	n/a				
oneAccess	ONE425	5.2R1E4	n/a				X		X			IFTN VRX268	n/a	574E17	n/a	n/a	n/a				
Sagemcom	Fast 5360	SG4D10001426 / SG4D10001448	n/a		X	X	X		X	X		BDCM 63138	43j2	43j2	43j2	n/a	n/a				
Sagemcom	F@st 5688T (Sunrise Internet Box)	RC1 (02/06/2020)	n/a		X							BDCM 68580					5.02L07p1				
Siligence	Internet Box Plus (Stargate V1 - SG)	10.02.34	n/a		X	X	X		X			BDCM 63168	38q	38q	n/a	n/a	n/a				
Siligence	Internet Box Plus (Stargate V1 - SG)	10.04.40	n/a		X	X	X		X			BDCM 63168	38q	38q	n/a	n/a	n/a				
Thomson	TG789vac	R10.5.8.J	n/a		X	X	X					BDCM 63168	38q	38q	n/a	n/a	n/a				
Westermo	Falcon	WeOS 4.21	n/a		X	X	X	X				Vinax	n/a	9611305	n/a	n/a	n/a				
ZyXEL	P-870H-51a (V1, V2)	1.12(VFJ.10)	n/a				X					BDCM 6368	n/a	38q	n/a	n/a	n/a				
ZyXEL	P-870H-53a (V1, V2)	1.12(VFK.10)	n/a							X		BDCM 6368	n/a	38r1	n/a	n/a	n/a				
ZyXEL	P-870HN-51b (V1, V2)	1.12(VFH.10)	n/a		X	X	X					BDCM 6368	38q	38q	n/a	n/a	n/a				
ZyXEL	P-870HN-53b (V1, V2)	1.12(VFI.10)	n/a					X		X		BDCM 6368	38r1	38r1	n/a	n/a	n/a				
ZyXEL	SBG 3300N (3500N, 3600N, VMG1312)	V100AAAV1C0 (V100AATP1C0, V100AAZ3N3C0, V100AAJZ6C1)	n/a				X					BDCM 63168	n/a	38q	n/a	n/a	n/a				
ZyXEL	SBG 3300N-I (3500N-I)	V100AAX1C0 (V100AATQ1C0)	n/a							X		BDCM 63168	n/a	38r1	n/a	n/a	n/a				
ZyXEL	SBG5500-A	V1.10(AAZT.0)C0	n/a				X		X			BDCM 63138	n/a	42m	n/a	n/a	n/a				
ZyXEL	XMG3927-B50A	ABMT0C	n/a				X		X	X		BDCM 63138	n/a	43j2	43j2	n/a	n/a				
ZyXEL	AX7501-B0	V515ABPC0b5	n/a		X*							BDCM 68580					5.02L07				

X\* temporary approved for usage until 31.12.2020

V2.92

2 BBCS approved ADSL equipment

2.1 ADSL-modems and routers Annex A

The ADSL equipment 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.

<sup>1)</sup> Phase out per 31.12.2020.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Cisco 827 <sup>1)</sup> Router; Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/827.htm">www.cisco.com/univercd/cc/td/doc/pcat/827.htm</a>
ADSL Annex A	Cisco 837 <sup>1)</sup> Router; Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/837/qsg/837qsg.htm">www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/837/qsg/837qsg.htm</a>
ADSL Annex A	Cisco 877 <sup>1)</sup> Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/en/US/products/ps6202/index.html">http://www.cisco.com/en/US/products/ps6202/index.html</a>
ADSL Annex A	Cisco 1700 with WIC-1ADSL <sup>1)</sup> Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/1721.htm">www.cisco.com/univercd/cc/td/doc/pcat/1721.htm</a>
ADSL Annex A	Cisco 2600 with WIC-1ADSL <sup>1)</sup> Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm">http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm</a>
ADSL Annex A	Zyxel P-642ME-11 <sup>1)</sup> / P-642R-11 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-650ME-11 <sup>1)</sup> / P-650R-11 <sup>1)</sup> / P-650H-11 <sup>1)</sup> / P-650HW-11 <sup>1)</sup> / P-652R-11 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Zyxel P-650ME-31 <sup>1)</sup> / P-650R-31 <sup>1)</sup> / P-650H-31 <sup>1)</sup> / P-650HW-31 <sup>1)</sup> / P-652H-31 <sup>1)</sup> / P-652HW-31 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-630-C1 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-650R-E1 <sup>1)</sup> / P-653HWI-11 <sup>1)</sup> / P-653HI-31 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-623ME-T1 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660R-61 <sup>1)</sup> / P-660H-61 <sup>1)</sup> / P-660HW-61 <sup>1)</sup> / P-662HW-61 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-2602R-61 <sup>1)</sup> / P-2602HW-61 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660ME-T1 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660H-D1 <sup>1)</sup> / P-660HW-D1 <sup>1)</sup> / P-661HW-D1 <sup>1)</sup> / P-661H-D1 <sup>1)</sup> / P-662H-D1 <sup>1)</sup> / P-662HW-D1 <sup>1)</sup> / P-2602RL-D1 <sup>1)</sup> (Orange BabyBox)	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a> FW 3.40(APE.0)D1 Baugleich mit 660HW-D1
ADSL Annex A	Zyxel P-660ME-D1 <sup>1)</sup> / P-660R-D1 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660HN-F1Z <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>

BBCS Proved Equipment List

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

Comments:

<sup>1)</sup> 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 equipment 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.

<sup>1)</sup> Phase out per 31.12.2020.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Cisco 836 <sup>1)</sup> Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm">www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm</a>
ADSL Annex B	Zyxel Prestige 630-13 <sup>1)</sup> / P-650ME-13 <sup>1)</sup> / P-650R-13 <sup>1)</sup> / P-650H-13 <sup>1)</sup> / P-650HW-13 <sup>1)</sup> / P-652R-13 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-630-C3 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-650ME-33 <sup>1)</sup> / P-650R-33 <sup>1)</sup> / P-650HW-33 <sup>1)</sup> / P-652HW-33 <sup>1)</sup> / P-650H-33 <sup>1)</sup> / P-652H-33 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-650R-E3 <sup>1)</sup> / P-653HWI-13 <sup>1)</sup> / P-653HI-33 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel Prestige 623ME-T3 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-660HW-63 <sup>1)</sup> / P-662HW-63 <sup>1)</sup> / P-660H-63 <sup>1)</sup> / P-660R-33 <sup>1)</sup>	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>



BBCS Proved Equipment List

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

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.