

Broadband Connectivity Service (BBCS)

Version	14-18
Issue date	05.12.2017
Replaces version	14-17 or previous
Valid from	07.12.2017
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
1.2	Not-Approved VDSL-modems and routers.....	4
2	BBCS approved ADSL equipment	5
2.1	ADSL-modems and routers Annex A.....	5
2.2	ADSL-modems and routers for Annex B.....	10
3	Disclaimer	14

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							Chipset		
		Firmware	CPE-DP	Fiber	SDSL	ADSL	POTS		ISDN		Model	ADSL	DP		
							ADSL2+	VDSL2	ADSL	ADSL2+			VDSL2	V-VDSL2	G.fast
ADB	Centro Business V1	07.12.10	n/a	X	X	X	X	X	X			BDCM 6368	38q	38q	n/a
	Centro Business V2	08.06.08	n/a	X	X	X	X	X		X	X	BDCM 63138	42g	42g	n/a
		9.01.04	n/a	X	X	X	X		X	X	X	BDCM 63138	42m	42m	42p1
	Centro Grande ADB VV2220	6.16.12 / 14 3.1.0.0011 / 15	n/a	X	X	X	X					BDCM 6368	38q	38q	n/a
Arcadyan	Internet Box Standard (Starlite)	08.08.28	n/a	X	X	X	X		X	X	BDCM 63168	38q	38q	n/a	
Arris	Centro Grande v1 Arris	9.0.10h2d26	n/a	X	X	X	X				BDCM 6368	38q	38q	n/a	
	Centro Grande v2 Arris	9.0.10h2d26	n/a	X	X	X	X				BDCM 6368	38q	38q	n/a	
	Centro Piccolo Arris	9.0.10h2d26	n/a		X	X	X				BDCM 6368	38q	38q	n/a	
Askey	Internet Box 2 (Stargate V2)	08.08.26	n/a	X	X	X	X		X	X	X	BDCM 63138	42m	42m	42p1
	Internet Box Light (Starlink)	08.04.26	n/a		X	X	X		X	X		BDCM 63381	41g	41g	n/a
AudioCode	Mediant-500L-MSBR	6.80A.335.005	n/a		X	X	X					IFTN VRX268	5731501	5781207	n/a
AVM	Fritzbox 7490	113.06.23	1.100.133.21			X	X					IFTN VRX288	n/a	574307	n/a
	Fritzbox 7430	146.06.52	1.100.133.44			X	X					IFTN VRX288	n/a	578917	n/a
	Fritzbox 7560	149.06.69	1.148.135.11			X	X					IFTN VRX318	n/a	790C17	n/a
Bintec-Elmeg	belP	10.1.27	n/a			X	X		X	X		IFTN VRX288	n/a	578917	n/a
	RS353jv	10.1.27	n/a			X	X		X	X		IFTN VRX288	n/a	578917	n/a
Cisco	2921 HWIC VA	15.4(3)M4	n/a			X	X					BDCM 6368	n/a	38q	n/a
		15.5(3)S0c	n/a			X	X	X				BDCM 63168	38q	38q	n/a
	4300-NIM-VAB-A	15.5(3)S1a	n/a			X	X	X				BDCM 63168	38q	38q	n/a
	886VA	15.2(4)M5	n/a						X	X	X	BDCM 6368	38r1	38r1	n/a
	887VA	15.2(4)M5	n/a			X	X	X				BDCM 6368	38q	38q	n/a
		15.3(3)M4	n/a			X	X	X				BDCM 6368	38q	38q	n/a
		15.4(3)M4	n/a			X	X	X				BDCM 6368	38q	38q	n/a
		15.5(3)M6	n/a			X	X	X				BDCM 6368	38q	38q	n/a
		15.2(4)M6b	n/a			X	X	X				BDCM 6368	38q	38q	n/a
		15.4(3)M1	n/a			X	X	X				BDCM 6368	38q	38q	n/a
	15.5(3)M6	n/a			X	X	X				BDCM 6368	38q	38q	n/a	

Supplier	Model	Customer Premises Equipment				Technology							Chipset			
		Firmware	CPE-DP	Fiber SDSL	ADSL	POTS			ISDN			Model	DP			
						ADSL2+	VDSL2	V-VDSL2	ADSL	ADSL2+	VDSL2		V-VDSL2	g.fast	ADSL	VDSL2
Huawei	Starplug	n/a	n/a									X	MTIA 5321	n/a	n/a	8811r039
Lancom	1781 series / 1783 series	09.10.0530	n/a			X	X	X	X				IFTN VRX268	572F11	577617	n/a
oneAccess	1645 (one540, one700)	015.02 (5.2R1E4)	n/a				X	X			X	X	IFTN VRX268	n/a	574E17	n/a
	1645 (One540) ADSL POTS	011.10 (5.2R1E2)	n/a			X							IFTN VRX268	571801	n/a	n/a
	1645 (One540) ADSL ISDN	011.10 (5.2R1E2)	n/a						X				IFTN VRX268	571502	n/a	n/a
	ONE425	5.2R1E4	n/a				X	X		X	X		IFTN VRX268	n/a	574E17	n/a
Sagemcom	Fast 5360	SG4D10000564	n/a	X	X	X	X	X		X	X		BDCM 63138	42j2	42j2	n/a
		(has to be replaced with SG4D10001158 by 31.3.2018) SG4D10001158 (based on SG4D10000800)	n/a	X	X	X	X	X		X	X	X	BDCM 63138	42m	42m	42p1
Siligence	Internet Box Plus (Stargate V1)	08.08.26	n/a	X	X	X	X	X		X	X		BDCM 63168	38q	38q	n/a
Thomson	TG789vac	R10.5.8.J	n/a		X	X	X	X					BDCM 63168	38q	38q	n/a
Westermo	Falcon	WeOS 4.21	n/a		X	X		X	X				Vinax	n/a	9611305	n/a
	P-870H-51a (V1, V2)	1.12(VFJ.10)	n/a				X	X					BDCM 6368	n/a	38q	n/a
	P-870H-53a (V1, V2)	1.12(VFK.10)	n/a							X	X		BDCM 6368	n/a	38r1	n/a
	P-870HN-51b (V1, V2)	1.12(VFH.10)	n/a			X	X	X					BDCM 6368	38q	38q	n/a
	P-870HN-53b (V1, V2)	1.12(VFI.10)	n/a						X	X	X		BDCM 6368	38r1	38r1	n/a
	SBG 3300N (3500N, 3600N, VMG1312)	V100AAIV1C0 (V100AATP1C0, V100AAZN3C0, V100AAJZ6C1)	n/a				X	X					BDCM 63168	n/a	38q	n/a
	SBG 3300N-I (3500N-I)	V100AAIX1C0 (V100AATQ1C0)	n/a							X	X		BDCM 63168	n/a	38r1	n/a

1.2 Not-Approved VDSL-modems and routers

The xDSL equipment mentioned in the list is tested, but did not meet the necessary VDSL requirements of Swisscom (Switzerland) Ltd for approval. Swisscom(Switzerland) Ltd. will accept further usage only based on the terms and conditions of a signed declaration "Erklärung der FDA in Bezug auf den Weiterbetrieb der Fritzbox 7390**".

Supplier	Model	Customer Premises Equipment				Technology							Chipset			
		Firmware	CPE-DP	Fiber SDSL	ADSL	POTS			ISDN			Model	DP			
						ADSL2+	VDSL2	V-VDSL2	ADSL	ADSL2+	VDSL2		V-VDSL2	g.fast	ADSL	VDSL2
AVM	Fritzbox 7390	84.06.53 (*6 months cancellation period in 2017, 2018 3 months)	1.68.26.47			X	X	X	X				IKNS Vx180	n/a	n/a	n/a

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 31.12.2018.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL over POTS	SpeedTouch Home ¹⁾ Ethernet interface	PPP only	✓	Thomson (Alcatel)	www.speedtouch.com
ADSL over POTS	SpeedTouch Pro (also with Firewall) ¹⁾ Router; Ethernet interface	PPP only	✓	Thomson (Alcatel)	www.speedtouch.com
ADSL over POTS	SpeedTouch 530 ¹⁾ Ethernet and USB interface	PPP only	✓	Thomson	www.speedtouch.com
ADSL over POTS	SpeedTouch 536 ¹⁾ Ethernet and USB interface	PPP only	✓	Thomson	www.speedtouch.com
ADSL over POTS	SpeedTouch 580 ¹⁾ WLAN 802.11g, USB and Ethernet 4 Port interfaces	PPP only	(✓)	Thomson	www.speedtouch.com
ADSL over POTS	Cisco 827 Router; Ethernet interface	PPP only	(✓)	Cisco	www.cisco.com/univercd/cc/td/doc/pcat/827.htm

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Cisco 837 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 Router; Ethernet interface	PPP only	✓	Cisco	http://www.cisco.com/en/US/products/ps6202/index.html
ADSL Annex A	Cisco 1700 with WIC-1ADSL Router; Ethernet interface	PPP only	✓	Cisco	www.cisco.com/univercd/cc/td/doc/pcat/1721.htm
ADSL Annex A	Cisco 2600 with WIC-1ADSL Router; Ethernet interface	PPP only	✓	Cisco	http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm
ADSL Annex A	Cayman 3341EU-SC ADSL Modem ¹⁾ USB and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex A	Cayman 3347WEU-SC Wireless, 4 Port Router ¹⁾ 802.11g and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex A	Cayman 3346EU-SC 4 Port Switch ¹⁾ Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex A	Cayman 3347W-SC Wireless, 4 Port Router ¹⁾ 802.11b and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex A	3347NWG-VGX Wireless, 4 Port Ethernet Switch ¹⁾ 802.11g and Ethernet interface	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	3346N-VGX 4 Port Ethernet Switch ¹⁾ Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex A	Arcadyan SMCA1T-A ¹⁾ 1 Port Ethernet interface	PPP only	✓	SMC	www.smc.com
ADSL Annex A	Zyxel P-642ME-11 / P-642R-11	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-630-11 ¹⁾	PPP only	-	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-650ME-11 / P-650R-11 / P-650H-11 / P-650HW-11 / P-652R-11	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-650ME-31 / P-650R-31 / P-650H-31 / P-650HW-31 / P-652H-31 / P-652HW-31	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-630-C1	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-650R-E1 / P-653HWI-11 / P-653HI-31	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-623ME-T1	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660R-61 / P-660H-61 / P-660HW-61 / P-662HW-61	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-2602R-61 / P-2602HW-61	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-660ME-T1	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660H-D1 / P-660HW-D1 / P-661HW-D1 / P-661H-D1 / P-662H-D1 / P-662HW-D1 / P-2602RL-D1 (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 / P-660R-D1	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660HN-F1Z	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex A	Zyxel P-660HU-T1 / P660HNU-T1	PPP/DHCP	✓	ZyXEL	www.studerus.ch Firmware: 1.02(VLM.2)D0 Datapump: 3.16.20.7A
ADSL Annex A	Router DrayTrek Vigor 2600 ¹⁾ Ethernet interface	PPP only	-	Boll Engineering AG	www.boll.ch
ADSL Annex A	Modem D-Link DSL-500 ¹⁾ Ethernet interface	PPP only	✓	D-Link	www.xicom.ch
ADSL Annex A	Netgear DVG1000-1WGSWS ¹⁾ Chipset Broadcom 63283KFBG	DHCP	✓	Netgear	www.netgear.com FW V1.1.01.11_1.01.11, DP A2pD030h.d23c

Additional CPE ADSL@IP-DSLAM (Annex A) OK:

AVM Fritzbox 7170 ¹⁾
CISCO 2610 ¹⁾; 1417 ¹⁾
D-Link DSL-2740B ¹⁾
Linksys WAG160N-EW ¹⁾
Netopia 2240-NVGx ¹⁾; 3342-EU-SC ¹⁾; 3346-x ¹⁾; 3347-x ¹⁾
SAGEM Livebox 5916 (Orange CH) ¹⁾
Netgear DG834 ¹⁾

Comments:

- ✓ 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 31.12.2018.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	SpeedTouch Home ¹⁾ Ethernet interface	PPP only	✓	Thomson	www.speedtouch.com
ADSL Annex B	SpeedTouch Pro (also with Firewall) ¹⁾ Ethernet interface	PPP only	✓	Thomson	www.speedtouch.com
ADSL Annex B	SpeedTouch 536i ¹⁾ Ethernet and USB interface	PPP only	✓	Thomson	www.speedtouch.com
ADSL Annex B	SpeedTouch 580i ¹⁾ WLAN 802.11g, USB and Ethernet 4 Port interfaces	PPP only	(✓)	Thomson	www.speedtouch.com
ADSL Annex B	Cisco 836 Ethernet interface	PPP only	(✓)	Cisco	www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm
ADSL Annex B	Cayman 3351 EU-SC ADSL Modem ¹⁾ USB and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Cayman 3357W-SC Wireless, 4 Port Router ¹⁾ 802.11g and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex B	Cayman 3357WEU-SC Wireless, 4 Port Router ¹⁾ 802.11g and Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex B	Cayman 3356 4 Port Switch ¹⁾ Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex B	3357NWG-VGX Wireless, 4 Port Ethernet Switch ¹⁾ 802.11g and Ethernet interface	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.0
ADSL Annex B	3356N-VGX 4 Port Switch ¹⁾ Ethernet interfaces	PPP and DHCP*	✓	Netopia	www.netopia.de * Only with Firmware Version 7.6.0r4 and further releases.
ADSL Annex B	Arcadyan SMCA1T-B ¹⁾ 1 Port Ethernet interface	PPP only	✓	SMC	www.smc.com
ADSL Annex B	Zyxel Prestige 630-13 / P-650ME-13 / P-650R-13 / P-650H-13 / P-650HW-13 / P-652R-13	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-630-C3	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-650ME-33 / P-650R-33 / P-650HW-33 / P-652HW-33 / P-650H-33 / P-652H-33	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-650R-E3 / P-653HWI-13 / P-653HI-33	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel Prestige 623ME-T3	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-660HW-63 / P-662HW-63 / P-660H-63 / P-660R-33	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-2602R-63 / P-2602HW-63	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-660ME-T3	PPP only	✓	ZyXEL	www.studerus.ch
ADSL Annex B	Zyxel P-660R-D3 / P-660ME-D3	PPP only	✓	ZyXEL	www.studerus.ch Baugleich mit 660HW-D3
ADSL Annex B	Zyxel P-660H-D3 / P-660HW-D3 / P-661H-D3 / P-661HW-D3 / P-662H-D3 / P-662HW-D3 / P-2602RL-D3 (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	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	Router DrayTrek Vigor 2600 ¹⁾ Ethernet interface	PPP only	-	Boll Engineering AG	www.boll.ch

Additional CPE ADSL@IP-DSLAM (Annex B) OK:

AVM Fritzbox 7170 ¹⁾; 7270 ¹⁾

D-Link DSL-2741B ¹⁾

Linksys WAG160N-ISDN ¹⁾; WAG200G ¹⁾

Netopia 3352-EU-SC ¹⁾; 3356-NEU-SC-ROHS ¹⁾; 3356-EU-SC ¹⁾; 3356-N-02 ¹⁾; 3357-NWG-ROHS ¹⁾; 3357-WEU-SC ¹⁾; 3357-WGEU-SC ¹⁾; 3357-02 ¹⁾; 3357-62-2SC ¹⁾

Netgear ADSL SX200 ¹⁾

Comments:

- ✓ 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.