ZYXEL

DX3301-T0 Generic
EX3301-T0 Generic
DX3300-T0 Generic
EX3300-T0 Generic
EX3200-T0 Generic
DX3300-T1 Generic
EX3300-T1 Generic

Firmware Release Note

V5.50(ABVY.5.3)C0

Date: Jun. 28, 2024
Author: Ralph Chien
Reviewer: Ryan Yeh

ZYXEL

TABLE OF CONTENTS

ZYXEL

Zyxel Confidential

ZYXEL

Revision History

Date	Release	Author	Description
2020/06/19	1.0	GuanHong Chen	FW release for V5.50(ABVY.0)b1
2020/08/14	1.1	GuanHong Chen	FW release for V5.50(ABVY.0)b2
2020/09/30	1.2	GuanHong Chen	FW release for V5.50(ABVY.0)b3
2020/10/22	1.3	GuanHong Chen	FW release for V5.50(ABVY.0)b4
2020/11/12	1.4	GuanHong Chen	FW release for V5.50(ABVY.0)b5
2020/12/11	1.5	Ralph Chien	FW release for V5.50(ABVY.1)b1
2021/01/22	1.6	Ralph Chien	FW release for V5.50(ABVY.1)b2
2021/03/18	1.7	Ralph Chien	FW release for V5.50(ABVY.1)b3
2021/03/22	1.8	Ralph Chien	FW release for V5.50(ABVY.1)b4
2021/04/06	1.9	Ralph Chien	FW release for V5.50(ABVY.1)b5
2021/06/18	2.0	Ralph Chien	FW release for V5.50(ABVY.1)b6
2021/07/14	2.1	Ralph Chien	FW release for V5.50(ABVY.1)C0
2021/09/17	2.2	Ralph Chien	FW release for V5.50(ABVY.2)b1
2021/11/05	2.3	Ralph Chien	FW release for V5.50(ABVY.2)b2
2021/11/12	2.4	Ralph Chien	FW release for V5.50(ABVY.2)b3
2021/12/20	2.5	Ralph Chien	FW release for V5.50(ABVY.2)b4
2022/01/10	2.6	Ralph Chien	FW release for V5.50(ABVY.2)b5
2022/01/26	2.7	Ralph Chien	FW release for V5.50(ABVY.2)C0
2021/10/15	2.8	Ralph Chien	FW release for V5.50(ABVY.3)b1
2021/11/19	2.9	Ralph Chien	FW release for V5.50(ABVY.3)b2
2021/12/29	3.0	Ralph Chien	FW release for V5.50(ABVY.3)b3
2022/03/10	3.1	Ralph Chien	FW release for V5.50(ABVY.3)b4
2022/04/26	3.2	Ralph Chien	FW release for V5.50(ABVY.3)b5
2022/06/01	3.3	Ralph Chien	FW release for V5.50(ABVY.3)b6
2022/06/15	3.4	Ralph Chien	FW release for V5.50(ABVY.3)C0
2022/06/29	3.5	Ralph Chien	FW release for V5.50(ABVY.3.1)b1

2022/06/29	3.6	Ralph Chien	FW release for V5.50(ABVY.3.1)C0
2022/11/16	3.7	Ralph Chien	FW release for V5.50(ABVY.3.3)b1
2022/11/16	3.8	Ralph Chien	FW release for V5.50(ABVY.3.3)C0
2022/11/23	3.9	Ralph Chien	FW release for V5.50(ABVY.3.4)b1
2022/11/23	4.0	Ralph Chien	FW release for V5.50(ABVY.3.4)C0
2023/02/24	4.1	Ralph Chien	FW release for V5.50(ABVY.4)b1
2023/04/28	4.2	Ralph Chien	FW release for V5.50(ABVY.4)b2
2023/06/16	4.3	Ralph Chien	FW release for V5.50(ABVY.4)b3
2023/07/28	4.4	Ralph Chien	FW release for V5.50(ABVY.4)b4
2023/08/21	4.5	Ralph Chien	FW release for V5.50(ABVY.4)b5
2023/09/01	4.6	Ralph Chien	FW release for V5.50(ABVY.4)C0
2023/10/20	4.7	Ralph Chien	FW release for V5.50(ABVY.5)b1
2023/12/29	4.8	Ralph Chien	FW release for V5.50(ABVY.5)b2
2024/03/05	4.9	Ralph Chien	FW release for V5.50(ABVY.5)b3
2024/04/03	5.0	Ralph Chien	FW release for V5.50(ABVY.5)b4
2024/04/17	5.1	Ralph Chien	FW release for V5.50(ABVY.5)C0
2024/04/30	5.2	Ralph Chien	FW release for V5.50(ABVY.5.1)b1
2024/05/03	5.3	Ralph Chien	FW release for V5.50(ABVY.5.1)b2
2024/05/03	5.4	Ralph Chien	FW release for V5.50(ABVY.5.1)C0
2024/05/20	5.5	Ralph Chien	FW release for V5.50(ABVY.5.2)b1
2024/05/24	5.6	Ralph Chien	FW release for V5.50(ABVY.5.2)b2
2024/05/27	5.7	Ralph Chien	FW release for V5.50(ABVY.5.2)C0
2024/06/28	5.8	Ralph Chien	FW release for V5.50(ABVY.5.3)b1
2024/06/28	5.9	Ralph Chien	FW release for V5.50(ABVY.5.3)C0

Zyxel DX3301-T0 Generic
Zyxel EX3301-T0 Generic
Zyxel DX3300-T0 Generic
Zyxel EX3300-T0 Generic
Zyxel EX3200-T0 Generic
Zyxel DX3300-T1 Generic
Zyxel EX3300-T1 Generic
V5.50(ABVY.5.3)C0
Release Note

Date: Jun. 28, 2024

Supported Platforms:

Zyxel DX3301-T0
Zyxel EX3301-T0 (DX3301-T0 remove VD WAN)
Zyxel DX3300-T0(DX3301-T0 remove VoIP)
Zyxel EX3300-T0(DX3301-T0 remove VD WAN and VoIP)
Zyxel EX3200-T0(DX3301-T0 remove VD WAN and VoIP)
Zyxel DX3300-T1(DX3301-T0 remove VoIP and ETH WAN)
Zyxel EX3300-T1(DX3301-T0 remove VD and ETH WAN and VoIP)

Versions:

Bootbase version : V1.45 | 02/23/2023 19:36:05
Firmware version : V5.50(ABVY.5.3)C0
Kernel version : 3.18.21
DSL code version : V5.12.30.0_240118
WLAN code version : MT7915D 7.4.0.0
3G dongle WWAN package version : 1.24

Notes:

ZYXEL

Public Domain Software Announcements

Open Source Used in product(3ʳᵈ party software)	Version	From (Source)	Licensing Term	Modified / Used
Bridge-Utils	1.0.6	http://bridge.sourceforge.net	GPLv2	Used
BusyBox	1.20.1	http://www.busybox.net/	GPLv2	Modified
clinkc	2.4	http://sourceforge.net/projects/clinkc/	BSD	Modified
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPLv2	Modified
dropbear	2018.76	http://matt.ucc.asn.au/dropbear/dropbear.html	MIT	Modified
ebtables	2.0.8-2	http://ebtables.sourceforge.net	GPLv2	Modified
eventlog	0.2.10	http://git.balabit.hu/?p=bazsi/eventlog-1.0.git;a=summary	BSD	Used
expat	2.5	http://expat.sourceforge.net/	MIT	Used
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	GPLv2	Used
gettext	0.16.1	http://www.gnu.org/software/gettext/	GPLv2	Used
glib	2.37.7	http://www.gtk.org/	LGPLv2	Used
iproute2	2.6.33	http://repository.timesys.com/buildsources/i/iproute2/	GPLv2	Modified
iptables	1.4.10	http://www.netfilter.org	GPLv2	Modified
json-c	0.13	https://github.com/json-c/json-c/downloads	MIT	Modified
libedit	20080712 -2.11	http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/	BSD	Modified
libffi	3.0.11	http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/	MIT	Used
libiconv	1.11.1	http://www.gnu.org/software/libiconv/	LGPLv2	Modified
libnetfilter_queue	1.0.2	http://www.netfilter.org/projects/libnetfilter_queue/	GPLv2	Used
libnfnetlink	1.0.1	http://www.netfilter.org/projects/libnetfilter_queue/	GPLv2	Used
libpcap	1.1.1	www.tcpdump.org	BSD	Used
libtool	2.4	http://www.gnu.org/software/libtool/	GPLv2	Used

libusb	1.0.9	http://www.libusb.org/	LGPL 2.1	Used
logrotate	3.7.1	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPLv2	Modified
ncurses	5.7	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
net-snmp	5.8	http://www.net-snmp.org/	BSD/BSD like	Modified
ntfs-3g	2022.10.3	http://ntfs-3g.org	GPLv2/LGPLv2	Used
ntpclient	2007_365	http://doolittle.icarus.com/ntpclient/	GPLv2	Modified
openssl	3.1.2	http://www.openssl.org	Openssl (BSD-style)	Modified
popt	1.16	http://rpm5.org/files/popt/	MIT	Modified
ppp	2.4.3	http://www.roaringpenguin.com/pppoe	GPL/LGPL/BSD	Modified
pure-ftpd	1.0.50	http://pureftpd.org	ISC/BSD	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD	Used
readline	5.2	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html	GPLv2	Used
samba	3.6.25	http://www.samba.org/samba/	GPLv3	Modified
sqlite	3.6.23.1	http://www.sqlite.org/	Piblic Domain License	Used
syslog-ng	3.38.1	http://www.balabit.com/network-security/syslog-ng/	GPLv2	Used
tcpdump	4.99.4	http://www.tcpdump.org/	BSD	Used
udhcp	0.9.8	http://udhcp.busybox.net/	GPLv2	Modified
usb-modeswitch	2.1.0	http://www.draisberghof.de/usb_modeswitch/	GPLv2	Used
WIDE-DHCPv6	20080615	http://wide-dhcpv6.sourceforge.net/	BSD	Modified
miniupnpd	2.3.1	http://miniupnp.free.fr/	BSD-3-Clause	Used
curl	8.4.0	https://curl.se/	MIT	Modified
quagga	1.2.4	https://github.com/Quagga/quagga	GPLv2	Modified

Known issues

Notification

1. OpenSSL 3.1.2 Upgrade Notification
   The certificates signed using SHA1 or older/weaker hashes are no longer supported for authenticating servers or clients.

   Before upgrading the firmware:
   - Please ensure that certificates in your devices are not using weak hashes.
   - If weak hashes are detected, kindly update and verify your certificates promptly with stronger hash
     (The minimum recommended hash is SHA256)

Modifications in V5.50(ABVY.5.3)C0

Base on V5.50(ABVY.5.3)b1 to release V5.50(ABVY.5.3)C0

[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.5.3)b1

Base on V5.50(ABVY.5.2)C0 to release V5.50(ABVY.5.3)b1

[FEATURE ENHANCEMENT]
1. [eITS #240600666] https certificate warnings aka "This site is insecure".
2. [eITS #240600745] EX3301, Rejecting firmware due to WebGUI https CA handling and http shut down decision.

[BUG FIX]
1. [CVE-2024-38266, 38267, 38268, 38269][Zyxel-SI-1559] Multiple authenticated buffer overflow vulnerabilities
2. [CVE-2024-5412][Zyxel-SI-1557][Vulnerability] Unauthenticated heap buffer overflow in the libclinkc library.
3. [CVE-2024-0816][Zyxel-SI-1536] [Vulnerability] Buffer overflow vulnerability in the "traceroute" command

ZYXEL

4. [CVE-2023-37929][Zyxel-SI-1506][Vulnerability] Post-authentication buffer overflow.
5. [CVE-2011-5053][Zyxel-SI-1498][Vulnerability] WPS vulnerability on CPE in WLAN
6. [eITS #240600931] EX3301, TR069 communication issue with authentication, see 240501006.

Modifications in V5.50(ABVY.5.2)C0

Base on V5.50(ABVY.5.2)b2 to release V5.50(ABVY.5.2)C0

[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.5.2)b2

Base on V5.50(ABVY.5.2)b1 to release V5.50(ABVY.5.2)b2

[FEATURE ENHANCEMENT]

[BUG FIX]
1. Zyxel-SI-1557 [Vulnerability] Unauthenticated heap buffer overflow in the libclinkc library.

Modifications in V5.50(ABVY.5.2)b1

Base on V5.50(ABVY.5.1)C0 to release V5.50(ABVY.5.2)b1

[FEATURE ENHANCEMENT]

[BUG FIX]
1. [System] LAN PC cannot obtain DHCP IP address if WAN disconnected and syslog enabled
2. [#240500742] Ex3300 reboots periodically
3. [GUI] QoS add new classification in Class Routing, GUI does not display Bridge wan interface.

Zyxel Confidential

ZYXEL

Modifications in V5.50(ABVY.5.1)C0

Base on V5.50(ABVY.5.1)b2 to release V5.50(ABVY.5.1)C0

[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.5.1)b2

Base on V5.50(ABVY.5.1)b1 to release V5.50(ABVY.5.1)b2

[FEATURE ENHANCEMENT]

[BUG FIX]
1. [System] DUT can't get wan ip when fw upgrade from V5.50(ABVY.4.2)C0 to V5.50(ABVY.5.1)b1. (ETHWAN/DX3300-T1/EX3300-T1).
2. [System] DUT can't get wan ip when some different unplug cable behavior.

Modifications in V5.50(ABVY.5.1)b1

Base on V5.50(ABVY.5)C0 to release V5.50(ABVY.5.1)b1

[FEATURE ENHANCEMENT]

[BUG FIX]
1. [#210274] [WAN] DX3300-T1/EX3300-T1 LAN as ETHWAN not work.

Modifications in V5.50(ABVY.5)C0

Base on V5.50(ABVY.5)b4 to release V5.50(ABVY.5)C0
[FEATURE ENHANCEMENT]

[BUG FIX]

ZYXEL

Modifications in V5.50(ABVY.5)b4

Base on V5.50(ABVY.5)b3 to release V5.50(ABVY.5)b4
[FEATURE ENHANCEMENT]

[BUG FIX]
1. [WAN] Internet LED didn't blink when transmitting data.
2. [eITS #240200784] GPN Device.WiFi. fail.
3. [eITS #240101401] CPE cannot receive Some Incoming Calls after Huawei adds the new SIP service port 5062 to the Soft Switch (SS).
4. [eITS #240400068] EX3301, rebooting with WAN port connected will cause the CPE not sending out the Inform.

Modifications in V5.50(ABVY.5)b3

Base on V5.50(ABVY.5)b2 to release V5.50(ABVY.5)b3
[FEATURE ENHANCEMENT]
1. [eITS #231200465] OPAL family, Feature improvement request - WAN ip lease time.
[BUG FIX]
1. [eITS #231000248] GetParameterNames.
2. [Vulnerability] Zyxel-SI-1536 Buffer overflow vulnerability in the "traceroute" command.
3. [GUI] Traffic Status>LAN page has an extra column of 0.
4. [TR-181] GPV parameters third node will send FaultCode 9005.
5. [eITS#231200551] faulty result of cli command: cfg ethctl get.
6. [WAN] MAP-E and MAP-T cannot surf to Internet by IPv4.
7. [eITS #230501037] VDSL Max vs actual DL rate problem

Modifications in V5.50(ABVY.5)b2

Base on V5.50(ABVY.5)b1 to release V5.50(ABVY.5)b2
[FEATURE ENHANCEMENT]
1. [eITS #230300767] MProMesh App feature request to include guest isolation level.
2. [eITS #231000756]Feature Request - DHCP opt 12.
3. [MPro Mesh] support Easy Mesh R2 function including traffic separation.
4. [eITS #231101419] How to change DOS Protection Blocking with TR098.

ZYXEL

5. [eITS #231000006]ZYX-593 IoT SSID (FRQ to propagate 3 parameters from the controller to the agents)

[BUG FIX]

1. [GUI] The device name with maximum size character cannot be display properly in the connectivity page.

2. [WAN] IPv6 DS-Lite cannot work by manual configured.

3. [MPro Mesh] When the signal is strong, the expander should not form a daisy chain topology.

4. [eITS #230900519][392686] VoIP SNAT using 5060

5. [eITS #231000370] Bridging methods not working

6. [WLAN] The 5GHz Bandwidth shouldn't support 160MHz.

7. [WAN] The CPE LAN cannot get IPv6 address if PPPoE WAN is IPv6 only and DS-Lite enabled by automatically configured by DHCPC.

8. [WAN] DX3300-T1 and EX3300-T1 can't get wan ip when connect Etherwan with Vlan tag.(These two model Lan 4 port is LAN/WAN mix port).

9. [WAN] MAP-E and MAP-T cannot surf to Internet by IPv4.

10. [TR-369] Use CLI to setting TR-369 STOMP and connect CDRouter TR-369 STOMP server will fail.

11. [WLAN] Wireless Others page's band include 6GHz.

12. [WAN] WWAN cannot dial successfully.

13. [TR-098] IGD.LANDevice.i.Hosts.Host.i.InterfaceType for wireless clients is wrong.

14. [VoIP] SIP account register fail when WAN set multi-wan and SIP provider bonding multi-wan.

15. [TR-098] GPV "IGD.XMPP.Connection.{i}.Password" value should be an empty string.

16. [GUI] XMPP Password should not be plaintext on GUI.

17. [TR-069] DUT cannot upload configuration via TR-069 when FileType is "3 Vendor Configuration File".

18. [TR-069] CompleteTime is earlier than StartTime for firmware upgrade.

19. [NAT] After change DUT http MGMT port, UPnP info on PC Network Infrastructure not change.

20. [Security] When DUT under DDoS attack, system security log not display attack info.

21. [TR143] Wan mode is IPv4/IPv6 DualStack, testing TR143 performance and DUT will using IPv6 to visit download server.

ZYXEL

22. [NAT] System monitor log page, not show UPnP log.

23. [TR-143] The DUT call trace if execute TR-143 download.

24. [eITS #231200278] ARP response issue

Modifications in V5.50(ABVY.5)b1

Base on V5.50(ABVY.4)C0 to release V5.50(ABVY.5)b1

[FEATURE ENHANCEMENT]

1. [eITS #231000168] Configuration of internal DHCP option 43 with TR98

2. Upgrade OpenSSL to 3.1.2

3. Hide information about password.

4. [GUI] OPAL Generic Reboot Page Design

5. MAC filter - MAC address mask.

6. [eITS #230601286] Dnsmasq version upgrade

7. [eITS #230500277] CLI cfg command to IGMP snooping

8. [eITS #230301802][GUI] Add connected LAN port to client information

9. [eITS #230400862] LED control

10. [eITS #240200068] Possibility to switch OFF the LED´s via Web-GUI

11. [eITS #230300767] MProMesh App feature request to include guest isolation level

12. [eITS #221001760] IPv6 GUA information in GUI

13. [Security] Setting Up the Password Strength

14. [eITS #220901661] Configurable WiFi Country Code (ISO 3166-1 alpha-2)

15. [eITS #230200423] TR-098 support for WiFi X_ZYXEL_CountryCode

16. [eITS #230700875] No WAN IPV6 - EX3301

17. [eITS #230601075] XMPP / STUN server support

18. [eITS #230300972]EX3301, Display remaining lease time of WAN IP lease in CLI, see ticket 230101253

19. [ETSI EN 303 645] 5.3-2: When the device is not a constrained device, it shall have an update mechanism for the secure installation of updates.

20. [eITS #221000325] support TR369

[BUG FIX]

1. [Vulnerability] Zyxel-SI-1506 [Vulnerability] Post-authentication buffer overflow

2. Upgrade curl to 8.4.0

3. [GUI] QoS add new classification show two "IPTV" interface in Class Routing

ZYXEL

4. [eITS #230701168] FXS Hook Status / Boot Check
5. [System] Wish description Protected Management Frames want to abbreviation, should change to PMF not show Protected MGMT Frames.
6. Zyxel-SI-1498 [Vulnerability] WPS vulnerability on CPE in WLAN
7. [Security] Unauthenticated Access to APIs
8. [Security] Outdated Software
9. [Security] Header Security Test
10. [Security] Session/Cookie Security Test
11. [GUI] Trace Route function of Diagnostic need to takes more time to finish

Modifications in V5.50(ABVY.4)C0

Base on V5.50(ABVY.4)b5 to release V5.50(ABVY.4)C0
[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.4)b5

Base on V5.50(ABVY.4)b4 to release V5.50(ABVY.4)b5
[FEATURE ENHANCEMENT]
1. [eITS #230600829] EX3301, Disabling Mesh does not bring down the backhaul, which is still broadcasted as a hidden SSID

[BUG FIX]
1. [GUI] Diagnostic page doesn't work. except Nslookup.

Modifications in V5.50(ABVY.4)b4

Base on V5.50(ABVY.4)b3 to release V5.50(ABVY.4)b4
[FEATURE ENHANCEMENT]
1. [eITS #230600827] EX3301, SSID naming logic when disabling mesh and allowing separate SSIDs
2. [eITS #230600829] EX3301, Disabling Mesh does not bring down the backhaul, which is still broadcasted as a hidden SSID

[BUG FIX]
1. [Stress] [Time: 0.15 hr] [Occurs: 19 times] Firmware Upgrade Stress testing

ZYXEL

via TR-069, DUT crazy happened call trace and DUT boot stuck and no respond.

2. [TR-143] When Upload HTTP TR143 performance, TestBytesSent and TotalBytesSent value are incorrect.

3. [ACTS/Log] Clear Log button on log page can not work.(After refresh page, log would appear.)

4. [System] GUI to change other language, description will change other language. But other(ex : title、 options) will still show English, NAT > PCP page always show English.

5. [Stress] [Time: 14 hrs] [Occurs: 3 times] Full bandwidth stress test, DUT happened call trace and reboot.

6. [Stress] [Time: 46.5 hrs] [Occurs: 1 times] At 學禮樓, DUT happened call trace and reboot.

7. [WAN] Multi Wan: Routing+ Bridge. Reboot CPE, Bridge wan cannot work. If apply Bridge Wan again will work.

8. [WLAN] Huawei 20 Pro、Mi 11 Lite 5G、Mi 10T Andrioad smart phone and Mi TV will let CPE call Trace and reboot.

9. [TR-069] TR-143 Perform download diagnostic, CPE not work and DiagnosticsStates will show Error_TransferFailed.

10. [WAN] In PPPoE mode with IPv6 only, CPE does not get IPv6 address after wan type change (ex: IPv4 only <-> IPv6 only).

11. [eITS #220800822] EX3301-T0_Auto sensing - Unable to dial up IPoE.

Modifications in V5.50(ABVY.4)b3

Base on V5.50(ABVY.4)b2 to release V5.50(ABVY.4)b3

[FEATURE ENHANCEMENT]

1. DX3300-T1 and EX3300-T1 power table change to final CE power table.

2. [OPAL Generic] GUI translation_ES_NL

3. [eITS #220400813] Container based F-secure

[BUG FIX]

1. [eITS #230300496] NAT is not working properly.

2. [MPro Mesh_Agent] After set a schedule rule via APP, the time will be disappear.

3. [MPro Mesh_Agent] Gateway Internet Speed does not work.

4. [eITS #230500907] Possible security flaw that allows to retrieve root password.

ZYXEL

5. [ACTS/TR-069] CPE upgrade firmware from 4b1 to 4b2 via TR-069, but it will upgrade again after connecting to ACS.

6. [Security] Subject should NOT be blank for Create a new Certificate or import a Certificate.

7. [GUI] The card page of Parental Control displayed incorrect blocking schedule information by second rule.

8. [eITS #230200746] [TR-069] GPV InternetGatewayDevice.X_ZYXEL_EXT.DNSRouteEntry return empty.

9. [WAN] The DS-Lite can not work if modify PPPoE WAN.

10. [ACTS/LAN] When the PPPoE WAN mode is exchanged , sometimes can't get LAN IPv6 IP.

11. [eITS #221101509]TR143 Download and UploadDiagnostics throughput accuracy on the ZyXEL EX3301-T0.

12. [System] Some words contain "@@" when the language is Español.

13. [GUI] Some words contain "@@" when the language is Dutch or Turkce.

Modifications in V5.50(ABVY.4)b2

Base on V5.50(ABVY.4)b1 to release V5.50(ABVY.4)b2

[FEATURE ENHANCEMENT]

1. [eITS #221000063] change the wording in SteerStatus.

2. [eITS #221101418] Partial factory reset option with firmware upgrades.

3. [eITS #220701077] [System] Soft-Reset feature.

4. [eITS #230100744] bridge config improvement.

5. [eITS #230201111] iperf -R not implemented.

6. support APP 3.0.

7. [eITS #221101300] Default setting for Type-1 Caller-ID should be {DuringRing, FSK} and for VMWI should be {OSI, FSK}.

8. [eITS #221000300][VoIP] SIP TLS encapsulation - supports SIP-over-TLS.

9. [eITS #220901659] Translation error WIFI password strength.

[BUG FIX]

1. [eITS #230400106] DNSProxy issue when Primary DNS unreachable.

2. [eITS #230301653] CurrentTime not reporting in accordance to the TR-069 standard.

3. [eITS #230201161] enable/disable SSH via ACS.

4. [eITS #230300429] certificate Common Name doesn't match host name.

ZYXEL

5. [eITS #221200930] romd backup include option 125 devices specific option value.

6. [eITS #230101319] Lifemote trigger uncontrolled memory usage with script that is working for all other device types.

7. [Security] Set SSID of Wireless to ";reboot" will cause CPE reboot until reset to default.

8. [GUI] In Parental control page, PCP schedule rule only display last schedule time when it create 3 schedule time rule.

9. [Log] After VoIP function registered, the System Log page will keep loading if click refresh button.

10. [WAN] In PPPoE mode with IPv6 only, CPE does not get IPv6 address after wan type change (ex: IPv4 only <-> IPv6 only).

11. [WAN] ETH WAN and VDSL WAN do VLAN Autohunt fail.

12. [WAN] Wan is IPoE IPv6 only, click release button will show warning message"Setting not successful. Please try again."

13. [MPro Mesh] disables wireless guests, but agent cannot also disable wireless guests.

14. [MPro Mesh] The "stale=Yes" scenario occurs during the AP roaming test.

15. [MPro Mesh_Agent] After using "MPro Mesh" APP to logout or swipe up the screen to close it or enable wifi guest, it will always lead APP relogin fail.

16. [MPro Mesh] RP Agent's GUI show wrong SSID after modify main or guest-1 SSID to special characters then turn on WIFI.

17. [MGMT] MGMT remote page to enable SNMP WAN, CPE SNMP page function should not auto enable.

18. [MPro Mesh_APP][ACTS] APP keep loading.

19. [eITS #230100382] Not possible too enable 5GHz WiFi in GUI, if WiFi first is turned off by physical button.

20. [LAN] STB Vendor ID setup to "MSFT 5.0" and the Static DHCP table show the wrong IP.

21. [LAN] The photo of devices in Topology page should match to List page.

22. [GUI] In Security page, some page does not logout GUI after Idle Timeout.

23. [WLAN] 5G Wi-Fi can be disabled when MESH is enabled.

24. [Routing] After reboot DUT, routing table doesn't have static route rule info.

25. [WLAN] WPS Method 2/3 should grayed out when use admin account.

26. [MPro Mesh] DX3310-T0 disable mesh fail via CFG.

27. [WLAN] The 5GHz Bandwidth should't support 160MHz.

Zyxel Confidential

28. [TR-098]GPV 'IGD.LANDevice.1.Hosts.HostNumberOfEntries' is always =0.
29. [System] Enable Zlog setting and set destination to console, but it doesn't print log on console.
30. [TR-098] TR-069 Script execute cannot work.
31. [TR-098] Lifemote agent not work.
32. [MPro Mesh] Topology icon disapper in Connectivity page.
33. [TR143] ADSL can't test TR-143 performance via http protocol.
34. [TR-098] Hide SSID of Guest/More AP of Wireless 2.4G and 5G can not be enabled via TR-069.
35. [TR-098] Power off when upgrading firmware from ACS server, CPE return Fault code is error.
36. [System] The zhttpd will be restarted if restore ROMD configuration file and then login GUI.
37. [eITS #230300494] EX3301, GUI menu visible prior to login.
38. [System] The connectivity card page doesn't display new topology sheet name.
39. [System] CPE should support "Partial Factory Reset".
40. [System] CPE should support "Restore Partial Default Settings After Firmware Upgrade".
41. [System] The portmirror page can't specify which lan port interface, after press apply, the Mirror Interface always show lan1.
42. [System] There GUI default value doesn't match with DST file. (Cybersecurity should remove from GUI).
43. [Wireless] Wireless Band selection to Network Setting ->Wireless->Guest/More AP / MAC Authentication / WPS / WMM / Others / Channel Status pages should support.
44. [LAN] Change DUT LAN ip and save but can't login with new ip address, need reboot.
45. [eITS #220700036] EX3301, LAN mac exposed on WAN side.

Modifications in V5.50(ABVY.4)b1

Base on V5.50(ABVY.3.4)C0 to release V5.50(ABVY.4)b1
[FEATURE ENHANCEMENT]
1. [eITS #220900410] DHCP option providing CPE firmware version
2. [eITS #221200506] Configuration of the AFTR should be possible with URL

ZYXEL

3. [eITS #221200531][Econet] Update MCT modem code
4. [ETSI EN 303 645] The consumer IoT device shall protect the confidentiality of critical security parameters that are communicated via remotely accessible network interfaces
5. [ETSI EN 303 645] 5.8-2: The confidentiality of sensitive personal data communicated between the device and associated services shall be protected, with cryptography appropriate to the properties of the technology and usage.
6. Support Web http redirect to https.
7. Networks Topology
8. [OPAL Generic] GUI translation_ES_NL
9. Console redirect/Zconsole monitor
10. [GUI] Compact help link adding ito GUI
11. [eITS #220301182]add posibility periodically reboot CPE using standard scheduler

[BUG FIX]

1. [System] The Active and Idle button for EU cannot work
2. [VoIP] SIP account can't conversation when enable SRTP function
3. [eITS #220200828] Wi-Fi Password - Special chararcters
4. [System] Refresh button in ZyEE Monitor page works fail
5. [eITS #220401035][TR-069] SPV WiFi BeaconType failed
6. [eITS #220500364] CCWAN bridging method not working with multiWAN
7. [eITS #220601144] WiFi button not working correct (behavior change)
8. [eITS #220800822] Auto sensing - Unable to dial up IPoE
9. [eITS #220700647] Bridge still not working
10. [GUI] Create more than one interface group, the 2nd or latest group name will show empty.
11. [eITS #220900371] NTP Time Server URL cannot support "-"
12. [eITS #221101357] Issues with setting some parameters via TR069
13. [eITS #221101734] No Management connection with new FW Version
14. [eITS #221200452] Activate IPV6 Default gateway by TR069
15. [eITS #230100138] rom-d backup
16. [CVE-2022-4203,4304,4450][CVE-2023-0215~0217,0286,0401][Zyxel-SI-1464] [Vulnerability] OpenSSL multiple vulnerabilities
17. [GUI] Some words contain "@@" when the language is Dutch or Turkce.
18. [System] Some words contain "@@" when the language is Espanol.

Zyxel Confidential

ZYXEL

19. [eITS #220600376] WANtoLAN Bridged
20. [eITS #221100865] TransferComplete messages without Start/Complete Time value
21. [MPro Mesh_Agent] After disable all extender, its will stay in Home page over 3 minutes online status then change to No connection status
22. [eITS #220900394][TR-069] Set NTP Time Zone

Modifications in V5.50(ABVY.3.4)C0

Base on V5.50(ABVY.3.4)b1 to release V5.50(ABVY.3.4)C0 FCS
[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.3.4)b1

Base on V5.50(ABVY.3.3)C0 to release V5.50(ABVY.3.4)b1
[FEATURE ENHANCEMENT]

[BUG FIX]
1. [Security 4.2.9] Unsafe User-Controlled Configuration Data (SMB)
2. [CVE-2022-43389,43390,43391,43392][Zyxel-SI-1433][Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability
3. [CVE-2022-45439,45440][Zyxel-SI-1441][Vulnerability] Hidden SSID and symbolic Links in ftpd

Modifications in V5.50(ABVY.3.3)C0

Base on V5.50(ABVY.3.3)b1 to release V5.50(ABVY.3.3)C0 FCS
[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.3.3)b1

Base on V5.50(ABVY.3.1)C0 to release V5.50(ABVY.3.3)b1
[FEATURE ENHANCEMENT]
1. [eits #221001582] DHCP table with dhcp client leased times left

2. [eits #221000973] DELT test doesn't work

[BUG FIX]

1. [eits #221000971] IPV6 part of the PPPoE doesn't work after some reconnections.
2. [eits # 220900106]IPv6 GUI Display Problem
3. [Security 4.2.9] Unsafe User-Controlled Configuration Data (SMB)
4. Zyxel-SI-1433 [Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability

Modifications in V5.50(ABVY.3.1)C0

Base on V5.50(ABVY.3.1)b1 to release V5.50(ABVY.3.1)C0 FCS

[FEATURE ENHANCEMENT]

[BUG FIX]

Modifications in V5.50(ABVY.3.1)b1

[FEATURE ENHANCEMENT]

[BUG FIX]

1. [OPAL Generic] GUI Create more than one interface group, the 2nd or latest group name will show empty.

Modifications in V5.50(ABVY.3)C0

Base on V5.50(ABVY.3)b6 to release V5.50(ABVY.3)C0 FCS

Modifications in V5.50(ABVY.3)b6

[FEATURE ENHANCEMENT]

1. [OPAL Generic] GUI translation_ES_NL

[BUG FIX]

1. [WAN] CPE set as Multi-WAN (PPPoE: VLAN 201 (Default GW) + IPoE: VLAN 301) and then CPE VLAN 201 WAN will get VLAN 301 PPPoE IP address after re-connect (Disconnect & Connect button).
2. [Security] CPE happen "Invalid memory segment access" after Create

Certificate Request

Modifications in V5.50(ABVY.3)b5

[FEATURE ENHANCEMENT]

[BUG FIX]

1. [Vulnerability] Infinite loop in BN_mod_sqrt() of OpenSSL when parsing certificates
2. [TR143] Perform upload/download diagnostic, ACS doesn't indicating the Event code "8 DIAGNOSTICS COMPLETE" in the Inform message.
3. [WAN] Ethernet model default status, wan cannot get IPv6 address.
4. [WAN] Ethernet model IPoE change to PPPoE, broadband page will show WWAN interface
5. [WWAN] Ethernet model WWAN cannot work.
6. [Route] Ethernet model RIP pge will show WWAN interface.
7. [eITS 220301500] Can't change ip mode to IPv4_only
8. [IGMP] WLAN can not play VLC channel.
9. [WLAN] 5G Guest SSID switch button doesn't link with 2.4G Guest SSID behavior when onessid is enable.
10. [WLAN] Disable onessid function, enable 5G guest1 SSID via general page or inside card page, the outside card page still display off.
11. [LAN] The CPE LAN side RA packets flags are always show M bit = 0 , O bit = 1 even user change to another IPv6 address assign method
12. [Vulnerability][Generic] cleartext storage of sensitive information vulnerability
13. [eITS 220300571] telnet deamon seems to suffer from same dropbear issue as ssh deamon, see for example ticket 200500187
14. [QoS] The priority queue can not work if no upstream bandwidth limited by Ethernet WAN.
15. [MPro Mesh] The host type of all clients display "Desktop" in L2 informaiton.

Modifications in V5.50(ABVY.3)b4

[FEATURE ENHANCEMENT]
1. [OPAL Generic] Italian GUI translation
2. [OPAL Generic] GUI translation_DE_RU
3. [OPAL Generic] French GUI translation

ZYXEL

4. [OPAL Generic] Portuguese GUI translation
5. [eITS #220300139] support for lan dhcp option 43 suboptions using cwmp to forward acs url
6. [eITS #220100965] Support LAN DHCP option 43 suboptions to forward acs url
7. [OPAL Generic] Disable the FTP function
8. [OPAL Generic] Change WPS button trigger condition

[BUG FIX]

1. [eITS #220200960] [VPN] pptp passthrough speed limit
2. [eITS #220201027] After FW-Update MTU is set to 0 and all services no longer work
3. [MPro Mesh_Agent] WiFi clients connection type often switch to "Wired" type
4. [GUI] In Wireless page, the GUI block special character behavior are not consistency between SSID & Password field
5. [eITS #220100868] [System] Data collected and sent from F-Secure demons when function disabled
6. [WAN] Link VDSL is pppoe mode can get IP address then change to link ADSL, internet LED will not green blinking.
7. [Parental Control] When user add more than 12 parental control rules, GUI warning message should modify.
8. [System] Uncheck Random Password but without set the Password, DUT should dump warning message and reject to set
9. [System] ZyEE is up and then delete ZyEE, user can not create the same ZyEE again
10. [WAN] In IPoE mode and no RA environment, CPE still send option request in solicit packet when Other Information From DHCPv6 Server is disabled.
11. [System] Via CLI to install net-snmp in ZyEE fail
12. [eITS #220100036] [system] Setting for DHCP option 125 are not correct in the default-configuration file
13. [WLAN] Wireless 5G guest1 can not enable from card page
14. [NAT] Unable to add 254 IPv6 Static Route rules when WAN is connected
15. [WLAN] WLAN 2.4G link rate always shows 144Mbps, when 802.11 Mode is configured to 802.11b only, 802.11g only or 802.11 b/g Mixed.
16. [WLAN] Check special chars $ " ' ` ; can't set on SSID.

Zyxel Confidential

ZYXEL

17. [System] When WAN Encapsulation is PPPoE, restore file will cause CPE works abnormally

18. [System] The Enable of EE should display as "False" or "false" when create an EE and not enable it

19. [USB] DMC can NOT play rmvb file normally

20. [WAN] Unable to add a PPPoA WAN interface.

21. [WLAN] Upgrade DUT form MESH non-support to support version, Mesh default will be disabled

22. [WLAN] WLAN Station Status page cannot display the connected WLAN 5G station status correctly.

Modifications in V5.50(ABVY.3)b3

[FEATURE ENHANCEMENT]

1. [OPAL Generic][TR-069] WiFi 802.11 mode parameter change.
2. [OPAL] support new FW version format for spin release.
3. [eITS 210900906] Disable DHCP server if all of the binding WAN are bridge.
4. [OPAL Generic] Rom-covert behavior for Mesh FW.
5. Upgrade OPENSSL to 1.1.1b.
6. [eITS 210401010][OPAL Generic] enabling guest-network via gui.
7. [eITS 211001230] Automatically enable TR-69 when ACS URL received via DHCP Option43.
8. [eITS 210901337][VoIP] Hold "R" key does not work.
9. [eITS 210500325] L2TP logging.
10. [eITS 210500323] L2TP client should start automatically after CPE boots and maintain the connection.

[BUG FIX]

1. [eITS 211200990] Disabling EasyMesh will enables OneSSID.
2. [eITS 211200752] EX3301-T0_Under Traffic Status NAT feature is blank, not showing status.
3. [MESH] Upgrade from non-support Mesh FW to Mesh supported FW, behavior is wrong.
4. [eITS 211200294][GUI] Admin account cannot see parental control page
5. [TR-069] The default value of "InternetGatewayDevice.X_ZYXEL_LifeMoteAgent.State" is "RUNNING".
6. [TR-069] The Name of Trusted CA is not complete if CPE download CA via

ZYXEL

TR-069.

7. [GUI] The information of the new Bridge WAN show incorrectly in system info page.
8. [WLAN] Defualt 2.4G wireless 802.11 mode display null value.
9. [GUI] DUT blocks port forwarding rules with different originating IP.
10. [L2TP] Modifiy the L2TP rule once, will disconnect from the L2TP server, but if modified 3~4 times. CPE will crash.
11. [WAN] Enable DHCP option 120 of IPoE WAN, but there' no option120 in DHCP packets.
12. [eITS 211100068] Wrong sequence of vlan auto hunt
13. [eITS 211100551] Pause Internet Feature in MPro
14. [WAN] According to the capability of the USB dongle or the current link status, the WWAN icon can display "4G".
15. [WAN] Default DSL modulation is wrong
16. [eITS 210901346][TR-069] The TR69 X_ZYXEL_Wireless_Mode for 5Ghz Band AX Mixed mode acceptable value is not consistent
17. [System] EE of ZyEE can not work because can not enable EE.
18. [eITS 211200010] Apple sync not working.
19. [Security]Fix wireless SSID vulnerability.

Modifications in V5.50(ABVY.3)b2

[FEATURE ENHANCEMENT]

[BUG FIX]

1. [Wi-Fi throughput] The 5G Wi-Fi bi-direction UDP throughput should not lower than previous FW version [For 1 client] [Packet Size: 1518]
2. [ZyPark] The CPE should not happen call trace within 72 hr at ZyPark

Modifications in V5.50(ABVY.3)b1

[FEATURE ENHANCEMENT]

1. support ZyEE container
2. support L2TP
3. [OPAL Generic] Media Server GUI Change
4. [eits #200301509] Increase Parental Control Profile entries
5. [eits #210401527] Configure available cards in web-gui

6. [eits #210200123] Feature FDPS at our VDSL2 devices should be enabled by default
7. [eits #210200785] PCP (Port Control Protocol) support

[BUG FIX]

1. [eits #210601879] ACS Server communication not works with specific configuration
2. [eits #210700890] Static DHCP IP address bug
3. [eits #210601604] Static DHCP IP address bug
4. [eits #210601861] router lifetime invalidated for a short while on DHCPv6-renew
5. [eits #210600461] disable or optimize client check
6. [eits #210801029] DNSv6 of WAN cannot get IP
7. [eits #210800919] cannot set static DNSv6 IP via TR098
8. [eits #210601930] DS-Lite setting missing Automatically configured by DHCPC
9. [eits #210900169] Multicast messages not sent to STB
10. [eits #210601911] [ZYDE] Use under Language correct coutry names
11. [eits #210700601] System Info German language Schnittstellenbetriebszeit
12. [eits #210400299] Support 4G Compatibility of Dongles DLINK-DWM-222 A2
13. [eits #210901346] The TR69 X_ZYXEL_Wireless_Mode for 5Ghz Band AX Mixed mode acceptable value is not consistent
14. [GUI] WiFi password cannot input spaces on Card page

Modifications in V5.50(ABVY.2)C0

Base on V5.50(ABVY.2)b5 to release V5.50(ABVY.2)C0 FCS

Modifications in V5.50(ABVY.2)b5

[BUG FIX]

1. [MPro Mesh] Shielding room B Multy Pro stress test environment, after 2.5 days it will lead all clients to disconnect

Modifications in V5.50(ABVY.2)b4

[FEATURE ENHANCEMENT]

1. Lifemote support

ZYXEL

[BUG FIX]

1. [MPro Mesh_Agent] Most of end user connection type are often switch to wireless or wire type

2. [MPro Mesh] Shielding room B Multy Pro stress test environment, after 2.5 days WX3100_AP pwr led keep blinking and end devices has exceeded the number Controller/AP/RP have to connected

3. [MPro Mesh] Shielding room B Multy Pro stress test environment, all clients will to connect Extender AP/RP but it without any client connected to Controller

4. [MPro Mesh] In Mesh stress testing period, WX3100_AP & RP Agent occur auto reboot issue.

5. [eits #211200010] Apple sync not working

6. [eits #211200899] idle iPhone disconnects from wifi

7. [eits #211200901] ios upgrade not possible on certain fw

8. [eits #210901329] [WAN] Default DSL modulation is wrong

9. [eits #211200294] Parental control feature is missing under security in the WEB GUI.

10. [MPro Mesh_Agent] Client sometimes can't surf the internet when it connected under Extender_RP Agent (occurs three times)

11. [MPro Mesh] Set the last character of SSID to be blank, wifi beacon will send duplicate SSID.

Modifications in V5.50(ABVY.2)b3

[BUG FIX]

1. [MPro Mesh] Shielding room B Multy Pro stress test environment, after all clients connected at a moment it will cause "zyMAPSteer" daemon does not work.

Modifications in V5.50(ABVY.2)b2

[BUG FIX]

1. [MPro Mesh] Band steering wireless users do not have any steering records after waiting for a long time at the test point.

2. [MPro Mesh] The SSID of Main and Guest cannot be set additional characters "~!@#$%^&", It will pop up warning message.

3. [WAN] Unable to add a PPPoA WAN interface.

4. [VoIP] The call history should not filter Blocked Incoming/Outgoing.

ZYXEL

5. [MPro Mesh] AP roaming, The mobile phone will be displayed as "Stale = Yes" after moving to layer 2 extender

6. [MPro Mesh_Agent] Most of end user connection type are often switch to wireless or wire type

7. [MPro Mesh_Agent] Can't use APP when CPE from non-EasyMesh fw upgrade to support EasyMesh

Modifications in V5.50(ABVY.2)b1

[FEATURE ENHANCEMENT]

1. [eits #210700877] Manual set DHCPv6 IANA & IAPD without RA msg.

[BUG FIX]

1. [MPro Mesh_Agent]Client detail information (WiFi channel, Max Speed and RSSI) sometimes display "updating" sometimes display normal by randomly

2. [MPro Mesh_Agent] According APP 2.2 Feature Enhancement, Generic FW does not support MESH Up/Down

3. [MPro Mesh_Agent] Client does not display "Blocked" in APP when Controller set a block schedule rule by WebGUI

4. [MPro Mesh] 2G/5G bounce occurred when test band steering

5. [MPro Mesh_Agent] Extender name sometimes will change to Controller name

6. [MPro Mesh] GPV: InternetGatewayDevice.LANDevice.1.Hosts. ,if extender_RP under 2nd layer, some of values are return incorrect.

7. [Wireless] WMM of SSID1~4 cannot be disabled.

Modifications in V5.50(ABVY.1)C0

Base on V5.50(ABVY.1)b6 to release V5.50(ABVY.1)C0 FCS

Modifications in V5.50(ABVY.1)b6

[FEATURE ENHANCEMENT]

1. [GUI] Multi-language GUI for OPAL generic GW+Extender

[BUG FIX]

1. [eits #210500507][EX3300-T0] Cannot detect Wifi 5Ghz

2. [eits #201201049][DX3301-T0] WiFi upload throughput cannot reached 800 Mb/s

Zyxel Confidential

3. [Security] DeAgg & DeFrag Attacks

4. [Stress] DUT happens call trace right after config zypark setting and multiple wifi client connect.

5. [MPro Mesh] ZyPark Multy Pro stress test environment, it will cause controller hang on.

6. [MPro Mesh] DX3301 and WX3100 WiFi Backhaul throughput test failed.

7. [MPro Mesh] AP roaming, The mobile phone will be displayed as "Stale = Yes" after moving to layer 2 extender

Modifications in V5.50(ABVY.1)b5

[BUG FIX]

8. [eits #210400147][LAN] IPV6 showing NA _LAN can't accept IPv6 addr

9. [eits #210400148][WAN] IPV6 showing NA _After release/renew PPP connection, CPE has IPv6 WAN IP but GUI show N/A

10. [eits #210400146][WAN] IPV6 showing NA _WAN can't accept DNSv6

11. [MPro Mesh] GUI or TR disable MESH will cause the extender signal LED to go out

12. [MPro Mesh] Wifi security key will display plain text on console message.

13. [MPro Mesh] ZyPark Multy Pro stress test environment, it will cause controller hang on

14. [MPro Mesh] All Guest wifi are disabled but it still display up in Steering status page.

15. [MPro Mesh_Agent]Client detail information (WiFi channel, Max Speed and RSSI) always display "updating" when client connect controller or extender2.4G wifi

16. [MPro Mesh_Agent] Some clients change to APP Guest Devices region even the Guest WiFi is disable

17. [WLAN] The default setting of WLAN security mode should be changed to WPA3-SAE/WPA2-PSK

Modifications in V5.50(ABVY.1)b4

[BUG FIX]

1. [MPro Mesh] Modify DX3301 wifi setting, it will cause zyMAPSteer daemon disapper.

ZYXEL

Modifications in V5.50(ABVY.1)b3

[BUG FIX]

1. [MPro Mesh_Agent] During testing APP normal function sometimes "ZyMAPSteer" daemon disappear
2. [MPro Mesh_Agent] EX3301 add Mesh (extender) failed
3. [MPro Mesh] Onboarding AP_Agent first then onboarding RP_Agent, DX3301 occurs call trace and p1905_managerd_init fail. And mesh topology will display empty.
4. [MPro Mesh_Agent]Disconnect some end devices over 10 minutes, but they are still keep in Devices list page via online status
5. [MPro Mesh_Agent] Some clients change to APP Guest Devices region even the Guest WiFi is disable
6. [MPro Mesh] All Guest wifi are disabled but it still display up in Mesh topology(zyslctl -a) & Steering status page.
7. [MPro Mesh] AP roaming, The information will disappear after mobile phone is moved to the extender.
8. [eits #210200062] [DX3301-T0] Client connect WiFi 2.4 GHz has issue
9. [Security] Add parental control rule, DUT will show WAN PC on client list
10. [Vulnerability] Critical security vulnerabilities.
11. [LED] Turn off 2.4G/5G WLAN, 2.4G LED will remain solid green
12. [#210100667] Dnsmasq multiple vulnerabilities (DNSPooq)

Modifications in V5.50(ABVY.1)b2

[FEATURE ENHANCEMENT]

1. Wifi reminder enable.
2. Support Gen2 for parent control function

[BUG FIX]

13. [System] After upgrading FW from "Remote Privilege" not supported FW, "Remote Privilege" will change to LAN only
14. [WAN] The portmirror page have duplicate interface.
15. [WLAN] Check and uncheck Radom Password in card page -> WiFi Settings page, DUT will empty the WiFi Password, if click Save button in this time DUT will generate an unknown random WiFi Password and save it.
16. [WAN] IPv6 Only mode, the System Info card page of VDSL WAN show connection down. (AD/VD/Eth)

17. [WAN] When WAN is Bridge mode, WAN Information show incorrectly on system info page.
18. [WLAN] The default setting of WLAN security mode should be changed to WPA3-SAE/WPA2-PSK
19. [TR-069] The content of IGD.DeviceSummary includes xDSL information for EX model.
20. [TR-069] The content of IGD.DeviceInfo.Description includes xDSL information for EX model.
21. [WAN] Config static IPv6 wan ip will cause GUI display error.
22. [System] Enable button of ZlogSetting function can't be enabled
23. [VLAN auto hunt] The VLAN auto hunt can not works at IPoE/PPPoE WAN.
24. [LAN] LAN PC cannot ping and Login DUT with Link Local Address Type as Manual.
25. [WLAN] Suggest to change the description of wireless general page when security is support WPA3-SAE/WPA2-PSK.

Modifications in V5.50(ABVY.1)b1

[FEATURE ENHANCEMENT]
1. Support EasyMesh.
[BUG FIX]

Modifications in V5.50(ABVY.0)b5

[FEATURE ENHANCEMENT]
[BUG FIX]
1. Add hwdep co-fw feature for DX/EX3301-T0_Generic
2. Refine co-fw mechanism for non-VoIP Projects

Modifications in V5.50(ABVY.0)b4

[FEATURE ENHANCEMENT]
[BUG FIX]
1. [VoIP] VoIP Stress (Make continuous call via Abacus 100) happen 3 times call trace
2. [VoIP] After overnight test, the call drop should not occurs

3. [Wireless] WMM of SSID1~4 cannot disable.
4. [VoIP] 3-Way-Conference happen call trace and reboot.
5. [Wireless] The 5G Tx thput is less than b2, (QAM is 64)
6. [Wireless] Use the phone to connect DUT, go to the WLAN Station Status page to check Rate (Mbps), the rate super low.
7. [WPS] The system call trace without reboot during test WPS method3.

Modifications in V5.50(ABVY.0)b3

[FEATURE ENHANCEMENT]
[BUG FIX]
1. [GUI] By default ,DUT is no IGMP/MLD function.

Modifications in V5.50(ABVY.0)b2

[FEATURE ENHANCEMENT]
[BUG FIX]
1. [LAN] LAN IPv6 Prefix change from "Delegate Prefix" to "Static", LAN will display old address.
2. [Wireless] 5G Bandwidth should right.
3. [Wireless] WMM of SSID1~4 cannot disable.
4. [Wireless] Use care page to disable 5G more AP, wifi client still can connect it.
5. [Wireless] Modify 2.4G SSID, 5G client can't link down.
6. [USB] CPE doesn't support MaxProcesses for SAMBA.
7. [GUI] Go to the connection status page and to set wifi setting, Disable Enable 2.4G or 5G Wifi, GUI will still continuous loading.
8. [GUI] By default ,DUT is no IGMP/MLD function
9. [DST] GUI default settings aren't matched with default setting table.
10. [WAN] In PPPoA mode, system info does not display correct IPv6 information.
11. [WAN] PPPoE Up time always show "0 days 0 hours 0 minutes" when 3G WWAN up.
12. [WAN] DSL Link Mode – ADSL2 Rx link rate is too low and Annex M cannot be disabled.

Zyxel Confidential

13. [PPPoE] DUT suddenly happen call trace and reboot after PPPoE - On Demand idle timeout.
14. [System] Firmware Kernal checksum did not match with release note.
15. Can't login to GUI if replace supervisor/admig password from backup config file.
16. [VoIP] It should not stopped when DUT during 72 hour VoIP stress test via Abacus.
17. [VoIP] The GUI should support VoIP (Early Media , Music On Hold , IVR) function.
18. [TR-069] Upload log via ACS server will return 9016 fault code.
19. [TR-069] Reboot + change PPP username/password via ACS server will happen call trace.

Modifications in V5.50(ABVY.0)b1

First firmware release
[FEATURE ENHACEMENT]
[BUG FIX]