



Release Notes

**P-2602H/HL/HW/HWL-D1A
Standard Version
3.40(ADQ.11)C0**

**Release Date: April 21, 2011
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CONFIDENTIALITY STATEMENT

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1 General Information

1.1 Version

The firmware version is as below.

| Items | Value |
|--------------------|----------------------------|
| RAS Version | V3.40(ADQ.11) 04/21/2011 |
| Bootbase Version | V1.13 02/16/2006 |
| DSL Image Version | TI AR7 08.02.02.00 |
| WLAN Image Version | xxx |
| VDSP Image Version | xxx |

1.2 Modification

The track records of modification are listed as below.

Modifications in V 3.40(ADQ.11)C0 | 04/21/2011

1. Change to FCS.

Modifications in V 3.40(ADQ.11)b1 | 04/01/2011

1. [BUG FIX] SPRID: 110210300

Symptom: If we add "facebook" to the keyword blocking list, we cannot access all of the web sites which contain facebook sharing or liking icons.

Condition:

Topology: PC – CPE – Internet

Step 1: Configure CPE to connect to Internet.

Step 2: Add "facebook" to keyword blocking list.

Step 3: Try to access the website as previous given link. Such as <http://www.btobonline.com>

Result: Other website which contain facebook sharing will be blocked.

2. [BUG FIX] SPRID:110323923

Symptom:The customer said that when he upload the firmware from (AJQ.4)D0 to OBM firmware (ADQ.10)C0, caller ID doesn't work.

Condition:Caller ID on (AJQ.4)D0 works but it doesn't work on (ADQ.10)C0. With the customized firmware 340(AJQ.4)D0, the incoming number will show but with OBM firmware, it doesn't.

Topology:

Denmark phone-----P-2602HWL-D1A-----Internet-----Eyebeam

Steps:

(1)Configure local Internet connection for P-2602HWL-D1A from factory default and also configure the local SIP account

(2)Choose Denmark—European Type in SIP>Phone>Region

(3)Configure the same setting as in the configuration file of 340(AJQ.4)D0. (The same caller-id type and payload)

3. [BUG FIX] SPRID:110110998

Symptom:Enable syslog then use Blues PortScanner to send packets,DUT will crash

Condition:

(1)default romfile

(2)set DUT as PPPOE and get WAN IP

(3)logs>log setting page,enable syslog,syslog ip address=192.168.9.37

(4)LAN PC use the tool: Blues PortScanner to send packet. The IP Address is from 4.2.2.2 to 14.2.2.2,after a while,DUT will crash

Modifications in V 3.40(ADQ.10)C0 | 01/12/2011

1. Change to FCS.

Modifications in V 3.40(ADQ.10)b1 | 12/22/2010

1. [BUG FIX] SPRID: 101119518

Symptom:When sending UDP traffic through PPPoE server from WAN side to our device. There are two

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PPPoE sessions up. The device will crash.

Condition:

Topology:

PPPoE server 1 -----Switch=====DSLAM=====P-2602HWL-D1A

PPPoE Server 2-----|

Step 1:Configure two PVCs with PPPoE encapsulation, both are up

Step 2:Send UDP packets from PPPoE server from WAN side to the 1st PVC(25M to our device)

Step 3:The device will crash in constant interval

2. [BUG FIX] SPRID: 101207462

Symptom:When using WPA-PSK on WLAN,users are disconnected when the re-authentication happens.

Condition:Topology:P-2602HWL-D1A-----wireless client

Step 1:Configure Internet connection locally from factory default.

Step 2:Configure Wireless : WPA-PSK

Step 3:Use the Window 7 or vista PC, Wireless client will disconnect during the re-authentication happens.

3. [BUG FIX] SPRID: 101214227

Symptom:In the customer's environment, when both PVCs with PPPoE encapsulation are up, he sent UDP packets through BRAS to the 1st PVC of the device. 50M through BRAS system and 25M to our device (as our max. bandwidth is about 24M). The 2nd PVC down/up although there is no traffic to the 2nd PVC.

After a broken time, the 1st PVC down, when he stops sending UDP packets, the 1st PPPoE session will not up again.

Condition:

Topology:PPPoE server 1 -----Switch=====DSLAM=====P-2602HWL-D1A PPPoE Server 2-----|

step 1:Configure two PVCs with PPPoE encapsulation, both are up

step 2:Send UDP packets from PPPoE server from WAN side to the 1st PVC P-2602HWL-D1A (25M to our device)

4. [FEATURE ENHANCEMENT] SPRID: 101129381

Symptom: It will not show Annex M or L when it link up on Annex M or L for SMT product. And it can't show Annex L for none SMT product.

Condition:

(1)Connect CPE to IES5000. Enable Annex M form IES5000.

(2)Make sure CPE work on Annex M mode. If it doesn't, please use "wan adsl opencmd adsl2(p)_annexm" to set CPE work on Annex M mode.

(3)You should test Annex L in PQA lab. You can use command "wan adsl opencmd readsl2" to set CPE work on Annex L. Enable Annex L from DSLAM side. And add about 17kft loop.

Modifications in V 3.40(ADQ.9)C0 | 11/22/2010

1. Change to FCS.

Modifications in V 3.40(ADQ.9)b2 | 10/28/2010

1. [BUG FIX] SPRID: 100930138

Symptom: Ping a packet larger than MTU value failed.

Condition:

Topology: PC1 -- CPE -- Internet -- PC2

Step 1:Configure CPE to the Internet with PPPoE mode.

Step 2:Ture off the firewall of CPE and PC.

Step 3:Ping a large packet (such as 2000 bytes) from PC1 to PC2.

Result: The ping failed.

2. [BUG FIX] SPRID: 101011186

Symptom: with customer's settings, if the VoIP PVC is up before the Data PVC, the header checksum error will happen, then all the UDP packets will not reach the WAN side, the iPerf server. But if at this moment, you disable the data PVC, or make the PPPoE server unavailable for the data PVC, then the UDP packets will be able to have correct header checksum, then this issue will not happen;

Condition:

Topology:

PPPoE server 2 (CSO lab)-Internet-Switch-DSLAM-P2602HWD1A

PPPoE line 1 (outside)-CPE (bridge)--|

Step1:2 PVCs with 2 PPPoE connection 1st PPPoE for data and second PPPoE for VoIP.

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Set IP routing policy for 2nd VoIP PVC (Min_delay and precedence 7 and configure the corresponding PPPoE server IP)

Step 2: Unplug the ADSL line, disable Data PVC first, and reconnect the ADSL line.

Step 3: Wait until the VoIP PVC is up and PPPoE session is established, enable the data PVC.

Step 4: When both of the PVCs and PPPoE session are up and running, Start the iperf UDP traffic on the LAN side, then from the WAN capture, all the UDP packets has Header checksum errors, and will not reach WAN side's Iperf server.

Step 5: Disable first PVC now, or make the PPPoE server for data PVC unavailable, the UDP packets will have correct Header checksum.

Step 6: or change the IP policy routing rule for VoIP PVC from Min delay/7 to No change/No change, this issue will also disappear.

Extra info:

It seems that the policy routing rules set up for the second PVC are in conflicts with the default routing policy of the data PVC (Maybe default routing policy has higher priority than user configured policy for VoIP policy, so when VoIP PVC/PPPoE session is up first, then somehow the header checksum error issue will happen.)

3. [BUG FIX] SPRID: 101028602

Symptom: By telnet, when type "sys rom" and click 'enter' once, you won't see "Do you want to restore default ROM file(y/n)?".

Condition: By using telnet, when type "sys rom" and click 'enter' once, you won't see "Do you want to restore default ROM file(y/n)?".

Situation 1: If you click 'enter' twice, you will see > Do you want to restore default ROM file(y/n)? > canceled

Situation 2: If then you type 'y', you can see "Do you want to restore default ROM file(y/n)?" "default rom file" and device will reboot.

Topology: CPE(LAN side)-----PC1.

Step 1: PC on the LAN side, telnet 192.168.1.1

Step 2: Type password

Step 3: If use the command "sys rom", click 'enter', nothing appears; Click 'enter' again, comes: > Do you want to restore default ROM file(y/n)? > canceled

Step 4: If use the command "sys rom", click 'enter', nothing appears; At this moment, click 'y', you will see "Do you want to restore default ROM file(y/n)?" and device started to reboot.

Modifications in V 3.40(ADQ.9)b1 | 09/30/2010

1. [BUG FIX] SPRID: 090108316

Symptom: When two SIP Account in conversation, the call will break off on a uncertain time, and after you hang up the phone, they can in conversation again.

Condition:

Step 1: Configure two DUT can get internet and register to SIP server.

Step 2: DUT-A dials DUT-B, DUT-B goes offhook, DUT-A and DUT-B converse.

Step 3: When two SIP Account in conversation, the call will break off on a uncertain time.

Step 4: After you hang up the phone, they can in conversation again.

2. [BUG FIX] SPRID: 090115039

Symptom: phone2's LED off when phone1 in use

Condition:

Step 1: default romfile, then register to sip server via webgui, the phone number is "222".

Step 2: type "vo co fxs index 2", "vo co fxs sipselect 2 0 1", "vo co fxs save 2" via CI command.

Step 3: call "222" via X-Lite, pickup phone1, the phone2's LED turn off.

3. [BUG FIX] SPRID: 100817352

Symptom: VChunt doesn't work using OBM Firmware on the telenor network. But with Telenor version (AJQ.4), VChunt works.

Telenor use a mixture of PPPoA and PPPoE, 0/35 for PPPoA and 0/101 for PPPoE.

Telenor customized firmware AJQ.4 +rom.0----> This firmware and configuration can work successfully
OBM firmware ADQ.7+ telenor specific configure rom.0-----> This combination fail VChunt at the same line

Condition:

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Local can't replicate the issue. So ask the customer to do the following two test. Ask the customer to disable the second remote node.

Test 1: On a line with 0/35, VC, PPPoA as correct settings:

- (1) Configure 0/77, VC, PPPoA in WWW GUI
- (2) Add 0/35, VC, PPPoA in vchunt table

Test 2:

- (1) Set WAN to 0/101, VC, PPPoE
- (2) Add 0/35 to vchunt table, VC, PPPoA

All the above two test succeed.

So it seem that if remote node 2 is enabled, it make PVC hunt on remote node 1 fail.

4. [BUG FIX] SPRID: 100816140

Symptom: Copyright (c) 1994 - 2009 ZyXEL Communications Corp, it should be 1994 - 2010

Condition: N/A

5. [BUG FIX] SPRID: 100920694

Symptom: When there comes incoming call, the device will reboot.

Condition:

Topology: Analog phone -- CPE -- Internet -- PC (installed voip phone software)

Step 1: Connect CPE and PC to public network.

Step 2: Register SIP on CPE and PC software.

Step 3: Call from PC to CPE.

Step 4: Call from CPE to PC.

Result: Outgoing call is ok, but incoming call will cause device crash.

6. [BUG FIX] SPRID: 100910056

Symptom: PPPoE session will disconnect and won't establish again after SIP DoS attack (use the command hping2 to send UDP packet to CPE with the port 5060)

Condition:

Topology: BRAS (PPPoE server) -----Switch-----DSLAM-----P-2602HWL-D1A

Step 1, Set up static network as shown above

Step 2, Configure PPPoE Internet connection on device

Step 3, Active SIP account

Step 4, Disable firewall

Step 5, Send UDP packets to CPE over BRAS.

7. [BUG FIX] SPRID: 100709242

Symptom: More ISP support SMTP on port 587, need to change the port on our device

Condition: N/A

8. [BUG FIX] SPRID: 100824825

Symptom: ETSI spec defines that cidpayload end digit must be C, but our device sends digit #. So customer want to change this digit from # to C.

Condition: If country code is Finland, change from # to C.

Modifications in V 3.40(ADQ.8)C0 | 07/09/2010

1. Change to FCS.

Modifications in V 3.40(ADQ.8)b1 | 06/14/2010

9. [BUG FIX] SPRID: 090702124

Symptom: Command "ATWZ" and "ATWE" are usable after debug flag is changed to "00" by console or telnet

Condition:

Step 1, Get a device, turn off debug flag by command "sys atwz 001349000001 ff 00"

Step 2, After system reboot, use command "sys atwz 001349000002 ff 01", mac, country code and debug flag are still changeable.

Step 3, For command "ATWE", it has same problem.

10. [BUG FIX] SPRID: 090709606

Symptom: Customer can not call out, but can receive call. After dial the number, there is busy tone.

Condition:

Topology:

Phone1 ---P-2602HWL-D1A(58.241.5.212)---DSL---DSLAM---Internet

Phone2 ---P-2602HL-D1A(58.241.5.213)---DSL

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- (1). Configure on P-2602HWL-D1A.(attached romfile. Password: 12345) Based on customer's romfile.
 - a)SIP account1: user:+351302010306 pass:mtk193
- (2). Configure on P-2692HL-D1A(attached romfile. Password: 1234)
 - b)SIP account2: user:+351302010319 pass:pc2002
- (3). Two sip account can register successfully. Phone1 and Phone2 cannot call each other. Each time call out, there is "404" in the packets.
- (4). I use Eyebeam to replace the (Phone2---P-2602HL-D1A(58.241.5.213)---DSL), and register the SIP account2. Then call the Phone1, the call can be successful. (attached the packets named "call success").But Phone1 still can not dial out.

Note:

Implement a CLI command to add or delete the URI parameter "user=phone" of the From Header. (voice config common fromParam <index><1.add user=phone | 0.delete user=phone>)
This is not a bug. This problem caused by custom's SIP proxy don't support URI parameter "user=phone", their proxy should ignore the parameter but not reject the call. In order to make our IAD to be more flexible. We implement a CLI Command to configure the URI parameter of the From Header.

11. [BUG FIX] SPRID: 090524032

Symptom: When do POWER ON/OFF test,some device will hang before enter VDSP INIT.

Condition: N/A

12. Change modem code to 8.2.2.0

Modifications in V 3.40(ADQ.7)C0 | 12/07/2009

1. Change to FCS version.

2. Change default romfile

sys gen bri on

Change Remote MGMT access status to LAN only.

Modifications in V 3.40(ADQ.7)b1 | 11/17/2009

1. [BUG FIXED] [SPR: 090914027]

Symptom When BWM enabled, and copy file from WLAN to LAN, the device will reboot.

Topology: Wireless PC -> P-2602HWL-D1A -> Wired PC

Condition:

- 1). Default romfile.
- 2). Enable MWM.
- 3). Copy file from WLAN to LAN, the device will reboot within few minutes.

2.[BUG FIXED] [SPR: 090714899]

Symptom: Can't add static route entry

Condition:

- 1).from defaultl settings
- 2).add static route, it can't be saved and there is error information dumped out.

3.[BUG FIXED] [SPR: 090714899]

Symptom The user C listen the ring back tone, but the IAD listens they only listen 2 announcements

Condition: A(IAD) call B, B is alerted.

B answers. A and B talk.

C call A. C hear ring back tone.

A hear call waiting tone. Even if modify the call waiting reject time to 128. But it always can only listen 2 announcements.

4.[BUG FIXED] [SPR: 090626896]

Symptom: LAN client and wireless client can't communicate with each other after we enable triple play.

Topology PC1-----P-2602HW-D1A))))PC2

Condition:

- 1) make DUT to default settings
- 2) make sure PC1 and PC2 already get IP from DUT(like: 192.168.1.33/192.168.1.34)
- 3) enable triple play with command "sys trip p enable", then the problem happens: you can't ping between PC1 and PC2 any more.

5.[BUG FIXED] [SPR: 090512903]

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Symptom: No ring backtone from callee side.

Condition:

- 1). configure wan setting in both models. Both models have the same FW 340ADQ6C0.
- 2). make VOIP calls after SIP register.
- 3). caller can't hear the ring back tone. there is no 180 ring message from callee side.

6.[BUG FIXED][SPR: 090421311]

Symptom: static route can't be saved

PVC1 gets on IP as 172.25.27.70, in the static route I set gw as 172.25.27.70 or 172.25.27.254, it can't be saved, says "Cannot add an static route entry. Please check that the gateway is a valid remote node IP address"

7.[BUG FIXED] [SPR: 081231907]

If ACS try to contact the P-2602HWL over <http://144.85.212.138:80/CWMP/ConnectionRequest>,The IAD asks for a Username and password in spite of the connection request username is empty on both ACS and IAD.

Condition:
A window will pop up to ask for the username and password in spite of the connection request username is empty on both ACS and IAD.

8.[BUG FIXED] [SPR: 081029341]

Symptom: The IAD downloaded FW twice in the same session.

Condition:

Vantage Access demo server which locates in SW2 (<http://58.241.5.220>). The IAD downloaded FW twice in the same session. Target FW version is 340ADQ6C0 and the original version is 340ADQ6b2.

IAD sent out Transfer complete inform message after it finished FW download. But strangely it started to do the download again without communication with ACS server.

9.[BUG FIXED] [SPR: 080519998]

Symptom: Device reboots when copy files from wireless lan client to lan client which install vista OS

Condition:

When copy files from laptop which is the wireless client to desktop at lan port which install vista OS,the device will reboot.

- 1). connect desktop to lan port of device.
 - 2). set a shared folder in laptop which connect to device via wireless.
 - 3). access the laptop by "Run" programme [\\192.168.1.x](http://192.168.1.x)
 - 4). 4:copy files from shared files to desktop
 - 5). 5:device reboot and copy fails.
 - 6) In opposite direction,copy files from desktop to laptop there is no such problem.
- 10 [BUG FIXED] [SPR: 070809728]

Symptom:P-2602HWL-D1A works on wrong behavior on Distinctive Ringing feature, PSTN Ring Selection does work properly.

Condition:

- 1).Go to VoIP>Phone Book>Distinctive Ring, active Distinctive Ring.
- 2).In ※Ring Selection by Incoming Line § , set ※PSTN Call § to A while ※Internal Call § to G.
- 3).Connect Phone 1 and Phone 2 to IAD. Call from Phone 1 to Phone 2 by ####, Phone 2 will ring type G.
- 4).Call from outside PSTN phone to Phone 1, phone 1 will ring type G instead of type A.
- 5).Change ※PSTN Call § to any ring type, phone will still ring the type of ※Internal Call § .
- 6).Change ※Internal Call § to --, change ※PSTN Call § to any ring tone, phone will ring default tone instead of the tone we set. It seems like the PSTN Call ring tone does not work.

11.[BUG FIXED] [SPR: 070614784]

Symptom: After enable Triple Play, WLAN PC cannot ping to normal LAN PC.

Condition:

- 1). Factory default DUT.
- 2). Execute "sys tri port enable"

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- 3). Connect two PCs to device via Wi-Fi and RJ-45 cable respectively.
 - 4) We can find that two PCs cannot ping to each other.
 - 5) Execute “sys tri port disable”, you will find ping can be processed without problem.
- 12.Change modem code to TI AR7 08.00.03.00.