ZyXEL

Release Notes

P-660HW-T1 v2
Standard Version
3.40(APR.5)C0

Release Date: June 17, 2010
Release RD: Eileen Ren

CONFIDENTIALITY STATEMENT

Contents

1 General Information

1.1 Version

The firmware version is as below.

Items	Value
RAS Version	V3.40(APR.5) | 06/17/2010
Bootbase Version	V1.05 | 03/07/2008
DSL Image Version	3.10.9.0_A_TC3085
WLAN Image Version	N/A
VDSP Image Version	N/A

1.2 Modification

The track records of modification are listed as below.

Modification in 3.40(APR.5)C0 | 06/17/2010
1. Change to FCS.
Modification in 3.40(APR.5)b1 | 05/27/2010
1. [BUG FIX] SPRID: 080711847
Symptom:WLAN client can't communicate with Ethernet lan client after disable tripleplay.(default tripleplay is disable,you must enable first,then disable it.)
Condition:topology:PC1---wired---P660HW T1 v2---wireless client PC
step 1:default romfile
step 2:wireless client communicate with DUT and can ping to Ethernet lan client each other.
step 3:(default tripleplay is disable)Enable the tripleplay,wireless client communicate with DUT and can ping to Ethernet lan client.
step 4:Then disable the tripleplay,wlan client can't ping to Ethernet client.
2. [BUG FIX]SPRID:100527656
Symptom:Power adjustment should be removed on GUI since the WLAN chipset does not support this function.
Condition:N/A
Modification in 3.40(APR.4)C0 | 09/07/2009
1. Change to FCS.
Modification in 3.40(APR.4)b1 | 08/21/2009
1. [Bug Fix] Severity: L3; SPR ID: 090730113
    Symptom: TFTP traffic can not passthrough from LAN to WAN
    Condition: TFTP traffic can not passthrough from LAN to WAN
              topology: TFTP clinet-----(LAN side)CPE-----------TFTP server
    Replicability: N/A
2. [Bug Fix] Severity: L3; SPR ID: 070531616
    Symptom: CPE Crash when uploading rom-t file.
   Condition: Uploading rom-t which IP address is 0(it is should be 0.0.0.0) will cause DUT crash.
    Replicability: N/A
3. [Bug Fix] Severity: L1; SPR ID: 081014604
     Symptom: CPE----DSLAM---Internet=----PC
             PC connects with the DSLAM. PC can not access the CPE with bridge mode and Firewall
    disabled on CPE.CPE and PC in a same network.
     Condition: CPE work in bridge mode, there are no special configurations on the DSLAM. CPE and
     PC are in a same network.
     Replicability: N/A
4. [Bug Fix] Severity: L1; SPR ID: 081211620
     Symptom: When put wrong format file in eWC to upload firmware/restore romfile, device will carsh

Condition: Step 1. Use one PC login device eWC, in Maintenance > Tools > Firmware page, do firmware upload. Step 2. Click "Browse" button, select one wrong format file(eg JRF for P-660HW-T1 v2_TRUE_Steven_20081128.doc 121KB), after click "Upload" button, device will crash. Step 3. When do romfile restore, device will carsh and cannot be stop. You must manual reboot device and upload firmware and romfile. Please get detailed information from the attachment.
Replicability: N/A

5. [Bug Fix] Severity: L3; SPR ID: 080711840(Not verify)
   Symptom: CPE use PPPoe to access internet, when Sip ALG is enabled on CPE, VoIP softphone(VietVoice) install on their PC can not dial out.
   Condition: Steps to reproduce: Topology: (Softphone)PC---------------P660HW-T1 v2---------------------internet-------------………Phone
   step1:default rom file; step2: set wan setting, use PPPoE to access internet. step3: connec a PC to connect CPE's lan side, install softphone(Vietvoice) on PC and make phone out. Account and pin number for softphone: Account: 42047616 Pin: 825053707 You can make phone out to : 006598304694 or 006568996678 step4: failed to make phone out, disable Sip ALG on CPE by command:'ip nat service sip active 0', then can call out.
   Replicability: N/A

6. [Enhancement] update copyright to "Copyright (c) 1994 - 2009 ZyXEL Communications Corp."

7. [Romfile Change] Change default romfile items as below.
   [1]Disable WAN remote management for HTTP,SNMP, ICMP, DNS, Telnet ,FTP in default setting .
   [2] add "sys quickbrg arp on " in autoexec.net.

Modification in 3.40(APR.3)C0 | 08/06/2008
1. Change to FCS

Modification in V3.40(APR.3)b4 | 08/04/2008
1. [BUG MERGE]
   Symptom: End user try to change debug flag by console, then they could upgrade other product firmware and change DUT's MAC.
            They can use command atse to get seed esaily.
   Condition: N/A

Modification in V3.40(APR.3)b3 | 07/24/2008
1. [BUG MERGE]
   SPRID: 080707304
   Symptom: Enable WDS, then reboot device, it will crash continously .
   Condition:
   Step1: Setup a WDS connecion with CI command: wlan wds set ＜index＞＜Mac＞
   Step2: enable this connection with CI command: wlan wds enable x 1
   Step3: reboot device, it will crash continously.

2. [BUG MERGE]
   SPRID: 080703152
   Symptom: INTERNAL ERROR when apply log setting
   Condition:
   1:Select some items in Web interface -＞ Advanced Mode -＞ Maintenance -＞ Logs -＞ Log Settings and apply
   2:Select all the items and apply.
   An internal error will be shown after applying the settings. Please see in attached document.

3. [BUG MERGE]
   SPRID: 080703153
   Symptom: PASSWORD/ACCESS TO WEB INTERFACE (Internet Explorer)
   Condition:
   Actual password : 0987
   (1)Case A :
        - start a browser
        - go to web interface (default : 192.168.1.1)
        - click Login (no change to password)
        - The users enters in the Status mode

No modifications possible

(2)Case B :

    - start a browser

    - go to web interface (default : 192.168.1.1)

    - Enter 9999 as password

    - click Login

    - The users enters in the Status mode

No modifications are possible

No message about wrong password

(3)Case C :

    - start a browser

    - go to web interface (default : 192.168.1.1)

    - click Login (no change to password)

    - The users enters in the Status mode

    - Click Logout

    - Enter 9999 as password

    - Click Login

    - Loops within the authentication page (rpAuth.html)

In this case, it's not possible to enter the Status mode

4. [BUG MERGE]
   SPRID: 080703154
   Symptom: Wlan scan by telnet cause device crash.
   Condition:
   Step1:reset device to factory default
   Step2:connect a PC to lan port of device
   Step3:telnet 192.168.1.1 in run utility in PC.
   Step4:issue command" wlan scan"
   Notice:Crash happens when some AP around hide SSID

5. [BUG MERGE]
   SPRID: 080708339
   Symptom: If turn on "ip mcast 0" to do IPTV both in lan and wlan at the same time, the CPU loading will be 100%.
   Condition:
   Step1. Default romfile.
   Step2. Configure two PVC, PVC1:PPPoE Router to Internet and IPTV VoD, PVC2:RFC1483 bridge for IPTV multicast. Triple Play disabled.
   Step3: Open 5~6 channels in IPTV server, STB in LAN plays IPTV only, CPU loading is about 30%
   Step4. CLI"ip mcast 0" to forward multicast packet to WLAN.
   Step5. WLAN and LAN play IPTV at the same time, CPU loading will reach to 100%. (DUT downstream sync rate 24M, VoD 4M, IPTV 5M) You can't access Internet web service at this time.
   Notice：When the IPTV file is larger, the issue can be reproduced more easily

6. [FEATURE ENHANCE]
   Symptom: IGMP snooping for FPT v1.0

7. [BUG MERGE]
   SPRID: 080708340
   Symptom: If LAN run IPTV and wlan run IPTV or VOD for about 3 ~4 hours, the wireless will has problem, it can't send any packets to wireless client and wireless client can't get ip from CPE anymore.(you can say wireless is down), only reboot CPE, wireless can recover then .
   Condition:
   Step1. Default romfile.
   Step2. Configure 2 PVCs, PVC1 to PPPoE for Internet and VOD service; PVc2 for IPTV only. triple play is disabled. configure wireless LAN to open mode. DSL sync rate is 24M.
   Step3. STB connect with LAN port play IPTV(5M), wireless LAN play IPTV(5M) or VOD(4M)

Step4. About 3~4 hours later, it can't send any packets to wireless client and wireless client can't get ip from CPE anymore.

Step5. Reboot DUT. wireless can be recovered.

8. [BUG MERGE]

    SPRID: 080709448

    Symptom: ping packets with size of more than 1472 bytes do not work when triple play is enable

    Condition:

    topology:LAN PC---DUT---DSLAM---Switch---Router---Webserver.

    ping packets with size of more than 1472 bytes do not work.(triple play enable)

9. [BUG MERGE]

    SPRID: 080709469

    Symptom: Leave PVC1 with incorrect VPI/VCI, after you configure PVC2-8, VC Hunt will hunt the VC Hunt table again.

    Condition:

    Step1:Default romfile.

    Step2:Active VC Hunt. Don't fill in correct vpi/vci in VC Hunt table, after finish the VC Hunt, the state still active.

    Step3:configure PVC2-8 get to internet with Route encapsulation. VC Hunt will start hunting the VC Hunt table again.

10. [BUG MERGE]

    SPRID: 080709479

    Symptom: Spelling mistake in GUI

    Condition:

    No spaces between the link and the word after it (in this case "Firewall")

11. [BUG MERGE]

    SPRID: 080709493

    Symptom: Bandwidth MGMT can't work correctly in Priority mode, and it works like still in Fairness mode.

    Condition:

    step1, Enabe Bandwidth MGMT for LAN interface with priority-based mode, allocate the interface with 3000kpbsstep2. Add two rules for LAN interface, one is www service with high priority(1000kbps), another is FTP service with low priority(1000kbps). Step3. Use Chariot software to run ftpget.script for the two rules that added in step2After step3, from monitor menu, you can see the two rules be allocated with the same bandwidth but not according to the high priority with more bandwith rules

12. [BUG MERGE]

    SPRID: 080709535

    Symptom: The wireless bitrate would larger then 11M/s sometimes even fix the mode as 802.11B

    Condition:

    Step1. wireless client connect to device with 802.11G mode

    Step2. change device wireless 802.11 mode to 802.11B only.You can found the bitrate would large than 11M/s until re-associate.

13. [BUG MERGE]

    SPRID: 080707305

    Symptom: If content filter act, suppose 'wwww.google.com' is a blocked site, if you try to access it in IE7.0, there will be some illegal character.

    Condition:

    If content filter act, suppose 'wwww.google.com' is a blocked site, if you try to access it in IE7.0, there will be some illegal character

14. [BUG MERGE]

    Symptom: Airoha frequency shift issue.

    Condition:

    Carrier test fail

15. [BUG MERGE]

    Symptom : When use multiboot or Expressboot tool to upgrade the firmware, sometimes will fail.

     Condition:

Step 1: Connect a PC to Ethernet switch and configure static IP setting for the PC

Step 2: Doubly click the specific ExpressBoot tool or Multiboot tool, then click "Start" button to send the packets containing the content of firmware.

Step 3: Connect the device to switch, then power on the device and the firmware upgrade will be accomplished automatically

Step 4: Sometimes the devices' power light will become dark to imply that upgrading is fail.

Modification in V3.40(APR.3)b2| 06/23/2008

16. Change modem code to 3.10.9.0.
17. Change default rom file.

   Replace "wan dmt2 db tlb 25" by "wan dmt2 db tlb 10" in autoexec.net.

18. [BUG FIX]
   SPRID:080321283
   Symptom: WLAN client can't contact with Ethernet LAN client after enable MBM in LAN and WLAN direction.
   Condition: Topology
   PC1 -------------wired------------------------P660HW-T1 v2------------- Interenet
   PC2---------wireless LAN-------------------
   Step1. Default romfile
   Step2. Enable MBM in LAN and WLAN interfaces, and set a Bandwidth, such as 1000000kbps.
   Step3. WLAN PC ping LAN PC, request time out, it can't connect to LAN PC.

19. [BUG MERGE]
   SPRID: 080321275
   Symptom: CPE is in RFC1483/ Routing mode, after dsl sync up and get a IP.Then we do the tracert on our CPE , CPE will crash in condition that CPE don't configure any DNS mannually. .
   Condition: CPE is in RFC1483/ Routing mode, after dsl sync up and get a IP.Then we do the tracert on our CPE , CPE will crash in condition that CPE don't configure any DNS mannually.
   The environment is simple , and we can reproduce it in our PQA lab. Using RFC 1483/Routing mode , then once we do the tracert on CPE,(ip traceroute), device will crash.
   Note: not only for 1483 route mode, enet encap also has this issue

20. [BUG MERGE]
   SPRID: 080403231
   Symptom: Use IPTV watch movie and use wireless LAN to do FTP download,about half an hour device will crash.
   Condition:
   Step1.configure remote node 1 to bridge mode,and set IPTV to watch movies.
   Step2.wireless use WPA-PSK ,LAN PC open seru,wireless LAN download files from LAN PC,about half an hour device will crash.

21. [BUG MERGE]
   SPRID: 080320220
   Symptom: set IPTV application to group 3 (or group 4…), the IPTV can't broadcast.
   Condition:
   1) default romfile, then enable triple play.
   2) edit "sys tri port groupset 3 LAN 3 PVC 3", and edit remote node 3 to bridge mode.
   3) connect IPTV server,user can not watch IPTV program,but if set to group 1 or 2, it will be ok

22. [BUG MERGE]
   SPRID: 080320226
   Symptom: Triple Play of two routers PVC with dynamic IP doesn't work correctly.
   Condition:
   Step1.default romfile
   Step2. Configure two routes with dynamic IP.
   Step3. set LAN 1 PVC 1 to group 3 (or group 4···), the traffic from LAN 1 can go out through both PVC1 and PVC2.But if set to group 1 or 2, it is ok,the traffic from LAN 1 can only go out through PVC1.

23. [BUG MERGE]
   SPRID: 080403225
   Symptom: PPP Config Wizard Security Issue

Condition:

1) Connect the device with PPPoE DSL line, then fill right VPI/VCI.

2) Fill wrong PPPoE username/password;

3) Open a website, for example: www.sina.com.cn; We can get a page http://192.168.1.1/zCfgPPP.html to ask users to fill "System Password", "User Name" & "Password";

4) If I fill another "User Name" & "Password" and leave "System Password" as empty, the "User Name" & "Password" still can be saved and work on device. It will cause the security concern.

24. [BUG MERGE]
SPRID: 080403232
Symptom: change ADSL modulation type in GUI or use CI Command "wan adsl opencmd XX', the DSL Mode is error,after reboot ,it can show right mode
Condition:
change ADSL modulation type in GUI or use CI Command "wan adsl opencmd XX',the DSL Mode is error,after reboot ,it can show right mode

25. [FEATURE ENHANCE]
Symptom: Support Annex M and READSL by command "wan adsl opencmd XX".

26. [BUG MERGE]
SPRID: 080604229
Symptom: Crash when cpoying files to shared folder
Condition:
P660HW-T1 v2 -----------LAN----------Windows XP Pro PC (192.168.1.33)

     ---Wireless LAN-----Vista Laptop (192.168.1.34)
1. Connnect to a shared folder on the XP PC via the Vista laptop;
2. Create a new folder in the shared folder of XP PC.
3. Copy some files from Vista laptop to the new folder in the shared folder of XP PC.
4. Crash happens on P660HW-T1 v2.The dump message is attached, which is same with the customer's.

27. [BUG MERGE]
SPRID: 080429313
Symptom: Connect DUT with G202, AG-225H or AG220 client and WPK2-PSK mode, DUT will crash
Condition:
Topology: AP)))))) DUT
Step1: default romfile
Step2: In GUI＞Wireless LAN, Security Mode choose WPA2-PSK, and input Pre-Shared Key, apply.
Step3: use G202, AG-225H or AG220 client to connect DUT with WPA2-PSK mode, DUT will crash, or client can connect DUT successfully, but after a while, DUT crash.

28. [BUG MERGE]
SPRID: 080418858
Symptom: Device will crash when lan connect with a P-2302RL-P1, which will send out a ICMP packet (Dst is 224.0.0.1)
Condition:
Customer connect the P-2302RL-P1 to P-660HW-T3v2, no wan connection , device will crash. RD check the crash dump , is should related to the point about IGMP.
We here use customer's packet trace , generate the ICMP(DST is 224.0.0.1), then connect the PC to lan side , when the packet is sent , device will crash.
The crash dump and packet trace is attached. (The packet we generated is the index 55)
Some other device will also suffer this issue

29. [BUG MERGE]
SPRID: 080125309
Symptom: P660HW-T1 v2 WLAN encryption set WPA2-PSK, uses G202 connect to it, device crash.
Condition:
G202 Driver 6.6.0.0, Utility 2.0.2.In XP OS, just use utility to connect to P660HW-T1 v2 using WPA2-PSK, the device will crash.

Modification in V3.40(APR.3)b1| 03/13/2008
1. Change cpu from P2F(P3) to P2H base on **3.40(APR.2)C0**
2. Change copyright from "Copyright (c) 1994 - 2006 ZyXEL Communications Corp." to "Copyright (c) 1994 - 2008 ZyXEL Communications Corp."
3. Change modem code from 3.5.18.8 to 3.10.1.0
4. Change HW version from 1 to 2 for support P2H
5. [BUG FIX]
   [Symptom]: User can get rom-0 via http://<IP Address>/rom-0 without authentication.
   [Condition]: N/A
6. [BUG FIX]
   [Symptom]: Device will crash when running p2p download over Wi-Fi with pppoe encapsulation and firewall on.
   [Condition]: N/A
7. [BUG FIX]
   [Symptom]: device will crash will pppoa and syslogs active
   [Condition]: 1.configure device and make it can access internet.
              2. In GUI, Maintenance > Logs > Log Settings, active syslog Logging and enter a Syslog Server Address.
              3. In GUI, Maintenance > Logs > Log Settings, acitve all the Log.
              4. When get wan IP, access internet, refresh lots of web pages.
           5. Then it will crash when you want to configure device via GUI
8. [BUG FIX]
   [Symptom]: When using CI command "sys adjtime", it shows "Where is your time server? Please use menu 24.10 to set up", the information is not suitable on the models that have not SMT.
   [Condition]: 1. in web GUI Maintenance > System > Time Setting choose Manual model or in CI command sys timeserver protocol   choose 0[none]
              2. when using CI command sys adjtime, it shows Where is your time server? Please use menu 24.10 to set up
9. [BUG FIX]
   [Symptom]: Firewall schedule can't work correctly.
   [Condition]: Set 2 rules with same policy, different schedule. Only the 1st one
   can work.
10. [BUG FIX]
   [Symptom]: device will crash will pppoa and syslogs active
   [Condition]: 1.encap pppoa
               2.In GUI, Maintenance > Logs > Log Settings, active syslog Logging and enter a Syslog Server IP Address.
              3.In GUI, Maintenance > Logs > Log Settings, acitve Log "System Maintenance".
              4.when DSL up, the device will crash.
11. [Bug Fix] SPRID:070427319
   [Symptom]:In remote management dns port can't be work after change.
   [Condition]: N/A
12. [BUG FIX]
   [Symptom]:RTP packet on PVC3 will leak to PVC1 while tripleplay is enable.
   [Condition]:N/A
13. [BUG FIX]
   [Symptom]: In bm rule setup page, if leave the rule name blank and then apply. it can not enter this page again no matter you choose any other items.
   [Condition]:
      Step1: Enter GUI->MBM page, select user defined to enter rule setup page.
      Step2: Fill in other parameter and leave rule name blank, then click apply to save this rule.
      Step2: In MBM page, on matter you select any choose, it can not enter the rule setup page again.
14. [BUG FIX]
   [Symptom]:Enable tripleplay, if the port not in any group, the packet from it will not go out from the unmaped PVC.

[Condition]:

    Step1. Configure two routes with dynamic IP.

    Step2. Mapping LAN 1 to PVC 1 and leave PVC2 unmapped.

    Step3. LAN 1 can go out successfully through PVC1, but LAN 2~4 can't go out by PVC2.

    Step4. Add another group mapping LAN 2 to PVC2 and try it again, LAN 2 can go out through PVC2.

    Step5. If you map LAN 1 to PVC 2 and leave PVC1 empty in Step2. LAN 2~4 will go out through PVC1 successfully.

15. [BUG FIX]

[Symptom]:Unix Syslog doesn't work when longin/logout the CI cmd, the software of Kivi Syslog cannot receive any message.But the F/W with SMT have those messages.

[Condition]: N/A

16. [BUG FIX]

[Symptom]: In WLAN page. Advance Setup could save the security mode setting

[Condition]:

    1. In WLAN page. DUT set "no security" in security mode and apply

    2. STA could connet to DUT with no security

    3. Changed the DUT setting to "WPA-PSK" without click apply button. Only click the Advance Setup button

    4. The DUT's status had changed to "WPA-PSK" security mode

    5. WPA/WPA2/WPA2-PSK had the same issue

17. [BUG FIX]

[Symptom]: Remote MGMT lack of log Message body

[Condition]:

    1. In eWC Remote MGMT>FTP/HTTP/TELNET/SNMP/DNS Access Status=Disable, and LAN PC ftp to DUT(192.168.1.1).

    2. Check log had this record, but message body is null, message body should be show "Remote Management: FTP denied"

18. [Bug Fix]

[Symptom]: When do IPTV, wireless can't access internet.

[Condition]: Triple pay setting: Group1: PVC1----LAN 1,2 and wireless (pppoe route internet use);Group2: PVC2 ---- LAN 3,4 (bridge mode, IPTV use)

19. [BUG FIX]

[Symptom]: When PPPoE set up, the PADI broadcast packet will send to LAN side.

[Condition]: When PPPoE set up, the PADI broadcast packet will send to LAN side.

20. [BUG FIX]

[Symptom]: When CPE receive a DHCP NAK packet, it will never get IP from DHCP server in the WAN side.

[Condition]:

    1. Set Encapsulation = ENET Enacp.

    2. CPE get IP from DHCP server in the WAN side.

    3. CPE will send DHCPREQUEST when renewal time expires.

    4. CPE will will never get IP from DHCP server if it receives a DHCPNAK packet.

21. [Bug Fix]

[Symptom]:Using CI command to set pvc2 with the same vpi and vci value withe pvc 1, wrong warning message will be showed and in some cases device will crash.

[Condition]: 1. "wan node index 2".

            2. set both the vpi and vci value same as pvc 1.

            3. wrong message will be showed or device will crash.

22. [Bug Fix]

[Symptom]: CLI command "ip route addrom active off" can not work.

[Condition]: N/A

23. [Bug Fix]

[Symptom]: Load firmware using HyperTerminal, System will show "checksum error" after running "put rom-0 rom-d".   while using procomm to load firmware it will work ok.

[Condition]: Using different console tool.

24. [BUG FIX]
[Symptom]: Enable tripleplay, and set above two route PVCs, the LAN pc will always go out through PVC1.
[Condition]: 1. Enable tripleplay, map port1 to PVC1 with PPPoE dynamic IP, map port2 to PVC2 with ENET dynamic IP. Both PVC get an available IP. The LAN pc connects with port2, but goes out through PVC1.
2. Enable tripleplay, map port1 to PVC1 with PPPoE dynamic IP, map port2 to PVC2 with ENET dynamic IP. ONLY PVC1 get an available IP. The LAN pc connects with port2, but goes out through PVC1. if the PVC2 get an available IP, pc can go out through PVC2.

25. [BUG FIX]
[Symptom]: In wizard after config route RFC1483 or bridge RFC1483 ,no wireless setting steps
[Condition]: In wizard after config route RFC1483 or bridge RFC1483 ,no wireless setting steps

26. [BUG FIX]
[Symptom]: Device will show exception
[Condition]: 1.In GUI change system name and save
2. Use CI command change baud rate.
3. Restart device will exception or other wrong Symptom.

27. Change default rom file.
Replace "wan dmt2 db tlb 10" by "wan dmt2 db tlb 25" and add "wan dmt2 set largeD 2" in autoexec.net for TR100.

Modification in 3.40(APR.2)C0 | 01/14/2008
1. Change to FCS

Modification in 3.40(APR.2)b2 | 12/20/2007
1. [Bug Fix]
[Symptom]: When MBM is enable, after wireless connect to device, LAN PC cannot resolve DNS.
[Topology]: PC1------------wired-------------P660HW-T1 v2-------------Internet
PC2------------wirelessLAN-------------P660HW-T1 v2-------------Internet
[Condition]:
1. Configure device and make it can access Internet.
2. Enable MBM LAN and WLAN interfaces, set a large Bandwidth. (e.g.100000)
3. LAN PC1 connects to device with wire, and can ping domain out.
4. PC2 connects to device with wireless, and ping domain out.
5. LAN PC1 cannot ping domain out anymore, but can ping ip out.

Modification in 3.40(APR.2)b1 | 09/18/2007
1. [Bug Fix]
[Symptom]: Inactive wireless, then reboot device, device will hang-up. [Condition]:1.Inactive wireless.
2. Reboot device, System initial can't be finished, device will hang-up.
[Note]: The issue happens only if 2230S has quality issue. It's only a workround solution.

2. [Bug Fix]
[Symptom]: When triple play enabled, set a static WAN IP, LAN PC try to access WAN site behind a router, the TCP 3 way handshake can not be successful.
[Condition]:
1. Set a static WAN IP in PVC1 and configure it to connect to Internet successfully.
2. enable triple play.
3. LAN pc try to access a website in Internet.
4. web page can not be opened.

3. [Bug Fix]
[Symptom]: After adsl test on HTP program, 3085 AFE current will increase to 300mA, higher than normal value 100mA , and it causes AFE chipset failure and impact the performance of longer loop .
[Condition]: N/A

4. [FEATURE CHANGE]
[Symptom]: (1) Remove the hardware version information which is shown together with modem code version by C/I command "wan adsl fwversion", SMT 24.2.1 or GUI. For hardware version is the identification of CPU type, such information may confuse customers in some case.
(2)Change the behavior of C/I command "sys typeOfCPU" to show hardware version.

5. [Bug Fix]

[Symptom]: When we input "sys cpu disp" it will show CPU type information. This information should be shown when we input "sys cpuType".

[Condition]: Input CI command "sys cpu disp" through console or telnet connection. It will show CPU type. The correct information shown should be CPU loading.

6. [Bug Fix]

[Symptom]: Tone assignment shown in CO and CPE side are different. Every byte shown is converse.

[Condition]:

1).Connect CPE to IES5000.

2).Use command "wan adsl line n/f" in CPE side and use command "show line portnumber" in IES5000 side to show tone assignment.

3).Compare the tone assignment value.For example, tone 6 and 7 are 07 from IES5000,but tone 6 and 7 are 70 in CPE side. The correct value shown in CPE side should be 07.

7. [Bug Fix]

Add Express boot feature.

8. [Bug Fix]SPRID:060721452

[Symptom]: When add remote node in GUI DUT will crash.

[Condition]:

step1.Set first PVC to PPPOE and PPPOE passthrough.

step2.Set second PVC to PPPOE and enable passthrough, then it will crash. The second PVC can also be a 1483 bridge.

9. [Bug Fix]SPRID:070516793

[Symptom]: Enable MBM, then set DUT as bridge RFC1483 mode. DUT will crash.

[Condition]: 1. Enable MBM, then set DUT as bridge RFC1483 mode.

2. ping website like www.google.com from LAN PC,the DUT will crash.

Modification in 3.40(APR.1)C0 | 01/08/2007

1. Change to FCS

Modification in 3.40(APR.1)b1 | 12/22/2006

1. change cpu from P2 to P3 base on **3.40(APR.0)C0**

Modification in 3.40(APR.0)C0 | 09/01/2006

1. Change to FCS

Modification in 3.40(APR.0)b1 | 08/04/2006

1. Create this project.