



**Firmware Release Note**

**P-334WT**

**Release 3.60(JN.5)C0**

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## **ZyXEL P-334WT Standard Version release 3.60(JN.5)C0 Release Note**

**Date:** May 16, 2005

### **Supported Platforms:**

ZyXEL P-334WT

### **Versions:**

ZyNOS Version: V3.60(JN.5) | 05/16/2005 10:15:39

Bootbase Version: V1.05 | 04/20/2004 10:36:26

### **Notes:**

1. This version supports quick route and enabled by default.
2. If Wireless Port Control (SMT Menu 23.4) is "Authentication Required", P334WT will enable 802.1x/WPA/WPA-PSK user authentication mechanism, a wireless user must login the P334WT successfully before accessing network service. If Wireless Port Control is "No Authentication Required", P334WT will allow all wireless users to access network service. If Wireless Port Control is "No Access Allowed", P334WT will not allow wireless user to access network service.
3. The Local User Database does not support key generation for 802.1x dynamic web key and WPA pair-wise/group key.
4. The first entry of static route is reserved for system and read-only for users.
5. No WPA-Mixed mode support for Consumer Product Line.
6. External Help Pages.

### **Known Issues:**

1. The device fails to add a firewall ACL rule for NAT server set #12 automatically.
2. Allow NetBIOS traffic between WAN & LAN doesn't work when Firewall is enabled.
3. Computers using Any IP need clear ARP table to access network after P334WT reboot.
4. Into SMT 21.1.1.1 TCP/IP Filter rule, save source and destination IP address then back to configure again would show the error message and can not save.
5. Using FTP to upgrade F/W may cause system hang sometimes and need to reboot by manual.
6. Wireless status become down sometimes and system would re-initial wireless automatically.

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7. Into SMT 1, DNS server can select Private DNS but eWC cannot select.
8. VPN dynamic rule pickup may fail when user configured an invalid static rule and a valid dynamic rule on responder. VPN tunnel won't be established in such scenario.
9. Under super-heavy traffic load, the response to WLAN operation might be delayed so that some wireless STAs need more time to associate with or the data connection will be dropped sometimes.
10. When an Atheros-based station is in a short distance from the AP (about two meters), the station does not acknowledge packets sent from the AP in high rates. For this issue, user must reduce the AP transmit power level or increase the distance between the AP and station.
11. Interoperability problem with Netgear stations MA401 and MA111 when configured in short preamble. For this issue, user must switch to long preamble.
12. The Trend Micro Security Services Web page may not appear if you are using instant messaging software other than MSN Messenger (for example, ICQ) or you have installed software that blocks popup browser windows (for example, the Google toolbar or Windows XP Service Pack 2). User must either disable the SP2 pop-up blocker temporarily or type the <http://tmss.trendmicro.com/dashboard> to access the TMSS Dashboard installation process manually. Once the TMSS ActiveX control has been installed, user can easily access the Dashboard by either clicking the IE toolbar TMSS icon or launch the "Trend Micro Security Services" from the Start menu.
13. Device might be reset if it was put in a radio-complex environment.
14. Device needs to be restarted whenever user wants to run Genie more than once.
15. Device needs to be reset to default rom file before running Genie.
16. SMT menu 27.1 VPN security gateway address can't fill out at the first time, till save via GUI.
17. Router's priority error in WAN.

## **CI Command List:**

### **Features:**

#### **Modification in 3.60(JN.5)C0 | 05/16/2005**

Convert version string from "3.60(JN.5)b2" to "3.60(JN.5)"

#### **Modification in 3.60(JN.5)b2 | 05/13/2005**

1. [BUG FIXED]  
SPR: 050511610  
Symptom:  
WLAN association list on GUI display error.  
Condition:  
WLAN association list on GUI display error.

**Modification in 3.60(JN.5)b1 | 05/09/2005**

1. [FEATURE CHANGED]  
Media bandwidth management for SIP still works even though ALG\_SIP is disable
2. [FEATURE ENHANCED]  
ALG enable/disable setting can be saved in rom file.
3. [FEATURE CHANGED]  
Name Modified:  
ALG\_MSMN -->ALG\_MSNM  
ALG\_VOIP -->ALG\_H323

**Modification in 3.60(JN.4)C0 | 04/13/2005**

Convert version string from "3.60(JN.4)b3" to "3.60(JN.4)"

**Modification in V3.60(JN.4)b3 | 04/02/2005**

1. [BUG FIXED]  
SPR: 050329422  
Symptom: Static route for WAN subnet mask has some problem.  
Condition:  
  - 1). Set WAN Encapsulation to Ethernet/ Dynamic IP.
  - 2). Add static route on WAN, then check the route added to routing table.
  - 3). Reboot system and make sure the WAN get IP again, then check the routing table, the route is not exist
2. [BUG FIXED]  
SPR: 050329425  
Symptom: BWM configure problem use wizard setup  
Condition :  
  1. In eWC->Wizard->Bandwidth Setup
  2. Active managed bandwidth->select bandwidth managed service is WWW  
->finish BWM setup Goto Bandwith MGMT click Apply button =>Fail,status show "Failure to operate setting! Error code = 15 "

**Modification in V3.60(JN.4)b2 | 03/23/2005**

1. [BUG FIXED]  
Symptom: When two STAs connected to P-334WT, then move one, in eWC, MAINTENANCE, Association List can not refresh.  
Condition:  
  1. Use G-100 & B-220 to connect with P-334WT.
  2. Into eWC-> MAINTENANCE-> Association List, you can see two station (G-100 & B-220) in here.
  3. Remove B-220.
  4. Click refresh button, B-220 station is still displayed in this page. This is incorrect.
2. [BUG FIXED]  
Symptom: WLAN association list work Fail.

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Condition:

In eWC / Maintenance / Association List

- a. The list display error MAC address .
- b. Sometimes it can't display the MAC address.

3. [BUG FIXED]

Symptom: When users remotely manage the ZyWALL via a PPTP connection, a strange firewall session (between PPTP server and PPTP client) timeout log may be observed.

Condition:

1. Configure the ZyWALL's WAN port to use PPTP encapsulation.
2. Remotely login eWC (http/https) via the PPTP connection.
3. After a few minutes, check the centralized logs or syslogs, you will observe a sequence of firewall logs of http/https session timeout.

4. [FEATURE ENHANCED]

Symptom: The PPTP connection between a ZyXEL router and a Thomson SpeedTouch DSL modem may be reset after the ZyXEL router transmits a \_large\_quantity\_ of packets.

Condition:

1. Connect a ZyXEL router to a Thomson SpeedTouch DSL modem.
2. Configure the router to establish a PPTP connection to the modem.
3. Have the router transmit a \_large\_quantity\_ of packets via the modem.
4. Observe STM 24.1 for any sign of PPTP disconnection. (The PPTP connection suffers a risk of drop for around every 65536 packets transmitted by the router.)

5. [FEATURE ENHANCED]

Add following Time Zone:

GMT-3:30 Newfoundland

GMT+3:30 Tehran

GMT+4:30 Kabul

GMT+5:30 Bornbay, Calcutta, Madras, New Delhi

GMT+5:45 Katmandu

GMT+6:30 Yangon

GMT+9:30 Adelaide, Darwin.

6. [FEATURE CHANGED]

Change username length of PPPoE and PPTP to 62

7. [FEATURE ENHANCED]

Merge Genie functionality into this version

**Modification in 3.60(JN.4)b1 | 01/26/2005**

1. [BUG FIXED]

Symptom: Wireless Static Web can't configure.

Condition:

1. On eWC Wireless page, select Static WEB and Passphrase is empty then click Generate button
2. Status will show "Please Input Passphrase" and Security select No Security and click Apply, Status will show this message again and can't not save.

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2. [BUG FIXED]  
Symptom: In eWC Remote Management, if you select DNS tab, then you can not move to TELNET tab.  
Condition:  
Into eWC-> Remote Management-> DNS page, You can't go to TELNET page from this page.
3. [BUG FIXED]  
Symptom: When two STAs connected to P-334WT, then move one, in eWC, MAINTENANCE, Association List can not refresh.  
Condition:
  1. Use G-100 & B-220 to connect with P-334WT.
  2. Into eWC-> MAINTENANCE-> Association List, you can see two station (G-100 & B-220) in here.
  3. Remove B-220.
  4. Click refresh button, B-220 station is still displayed in this page. This is incorrect.
4. [BUG FIXED]  
Symptom: Bandwidth Management problem.  
Condition:  
Under Bandwidth Management, the managed traffic will be processed one-by-one instead of concurrently processing if they are configured as the same priority.
5. [FEATURE ENHANCED]  
SMTP Authentication
6. [FEATURE ENHANCED]  
OTIST LED Support
7. [FEATURE ENHANCED]  
WLAN MAC Spoofing

**Modification in 3.60(JN.3)C0 | 12/15/2004**

Convert version string from "3.60(JN.3)b1" to "3.60(JN.3)"

**Modification in 3.60(JN.3)b1 | 12/15/2004**

No external changes.

**Modification in 3.60(JN.2)D0 | 12/13/2004**

Change NAT timeout to 180 seconds.

Convert version string from "3.60(JN.2)b1" to "3.60(JN.2)"

**Modification in 3.60(JN.2)C0 | 12/13/2004**

Convert version string from "3.60(JN.2)b1" to "3.60(JN.2)"

**Modification in 3.60(JN.2)b1 | 12/09/2004**

1. [BUG FIXED]  
Symptom: Apply call schedule rule to WAN ,DUT will crash  
Condition: 1.Set WAN encapsulation is PPPoE  
2. Edit a schedule rule name is 1  
3.Goto SMT Menu 11 , Set schedules=1 then save to rom  
=>DUT will crash while PPPoE is trigger.
2. [BUG FIXED]  
Symptom: System exception and reboot occur when system name is up to 30 characters long and enable 802.1x.  
Condition:  
1. Set SMT menu 1 System Name more then 16 characters.  
2. enable 802.1x or WPA.  
3. user association.  
4. system exception.
3. [BUG FIXED]  
MAC Filter page, if we input invalid MAC data, the error message shows "Invalid MAC Address #4".
4. [FEATURE CHANGED]  
Symptom: The GUI arrangement for content filter.  
Condition: eWC-> Content filter, Wish Monday ~ Sunday can be listed on the same line.
5. [BUG FIXED]  
Symptom: IP alias configure problem  
Condition: 1.In eWC configure IP alias  
2.Set IP alias 1 IP is same as alias 2 =>Fail ,no error message and it still can save to ROM.
6. [BUG FIXED]  
Symptom: Refresh button don't work.  
Condition: 1). Establish a VPN tunnel.  
2). eWC-> VPN-> SA Monitor, You can see a VPN tunnel display on this page. (don't leave this page)  
3). Drop the VPN tunnel, then Establish it again.  
4). Continue step 2, click the Refresh button, The VPN tunnel can't display again.
7. [FEATURE CHANGED]  
WAN page naming problem in Chinese version GUI. Change "外部網路" to "廣域網路".
8. [FEATURE CHANGED]  
Change eWC string from "OTIST in Process" to "OTIST in Progress".
9. [BUG FIXED]  
The OTIST setup key will be overwritten by "01234567" after reboot if user keeps key empty.
10. [FEATURE CHANGED]  
In System -> IP Alias page, only alias1 and alias2 are active, IP address 1 and 2 must be check.
11. [BUG FIXED]  
Symptom: G-405 (or P2000W) can't get IP from P-334WT.

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Condition: Turn bandwidth management on (I used VoIP and WWW via the bandwidth wizard), and the G-405 (or P2000W) can not pull a DHCP address. Turn off bandwidth management, and the G-405 (or P2000W) has no problem pulling an address.

12. [BUG FIXED]

Symptom: Parental Control always disabled by license control.

Condition:

1. Enable TMSS and Parental Control.
2. Active your account on Dashboard of TMSS.
3. Wait a period, Parental Control still disabled by license control. It should be enabled.

13. [FEATURE CHANGED]

Rearrange the order in eWC maintenance statistics page.

**Modification in 3.60(JN.1)D0 | 11/19/2004**

Change NAT timeout to 180 seconds.

Convert version string from "3.60(JN.1)b1" to "3.60(JN.1)"

**Modification in 3.60(JN.1)C0 | 11/19/2004**

Convert version string from "3.60(JN.1)b1" to "3.60(JN.1)"

**Modification in 3.60(JN.1)b1 | 11/09/2004**

4. [BUG FIXED]

Symptom: P2002 (P2P) SIP pass through test fail.

Condition: P2002\_1-----P-334WT\_1-----P-334WT\_2----- P2002\_2

1. Phone call setting is P2P.
2. Set default server to P2002.
3. P2002\_2 can't receive P2002\_1's Ring.

5. [BUG FIXED]

Symptom: GUI's problem for VPN's configuration.

Condition: eWC-> ADVANCED->VPN ->Rule Setup,"Security Gateway Address" can not type in a domain name.

6. [BUG FIXED]

Symptom: Can't into OTIST's Process if none Setup Key.

Condition: 1). eWC-> ADVANCED->WIRELESS ->OTIST, make key value of Setup Key to blank.

2). eWC-> ADVANCED->WIRELESS ->OTIST, click "Start" button.

==> eWC display "Please input key value. "

7. [BUG FIXED]

Symptom: Wireless has some problem.

Condition: 1). Change wireless security type from WPA-PSK to Static WEP.

2). Use AiroPeek to capture, P-334WT's security type is still WPA-PSK.

**Modification in 3.60(JN.0)C0 | 10/29/2004**

Convert version string from "3.60(JN.0)b4" to "3.60(JN.0)"

TMSS Dashboard URL is <http://tmss.trendmicro.com/dashboard>

**Modification in 3.60(JN.0)b4 | 10/27/2004**

1. [FEATURE CHANGED]  
Change the system name from "P334WT" to "P-334WT"
2. [FEATURE CHANGED]  
Change string from "Auto Security in Process" to "OTIST in Process" when OTIST starts in GUI
3. [FEATURE CHANGED]  
Change string from "One-touch Intelligent Security" to "One-Touch Intelligent Security" in GUI
4. [BUG FIXED]  
Symptom: Cannot access Dashboard correctly.  
Condition: 1. Set you dashboard URL to beta.tmss.trendmicro.com.  
2. Connect to tmss.trendmicro.com directly.  
3. Browser will display message "you need a Trend Micro-approved router to connect to the Internet".
5. [BUG FIXED]  
Symptom: Can't display full message on popup window.  
Condition: 1). Set wireless security to Static WEP/ 256 Bits/ Hex.  
2). eWC-> Wireless LAN-> OTIST, push START button.  
3). Popup a window to display the setting value of wireless security, but not display full word for the 256 Bits WEP key.
6. [BUG FIXED]  
The red light on the right front side of the unit turns on when host connect to LAN 3.
7. [BUG FIXED]  
Condition: 1). Restore default rom file.  
2). eWC-> Wizard, the default Domain Name = zyxel.com.tw. The field should be empty.

**Modification in 3.60(JN.0)b3 | 10/15/2004**

1. [BUG FIX]  
Change the redirect URL of TMSS from IP to domain name.
2. [FEATURE CHANGED]  
Focus the cursor at Password field in login page.
3. [FEATURE CHANGED]  
Refine the eWC string from "SYS" to "PWR" in firmware upgrade page.
4. [FEATURE CHANGED]  
Add scroll bar on eWC panel.
5. [BUG FIX]

After configuring 128-bit WEP and performing some tests yesterday, I changed the wireless configuration to WPA-PSK. This morning I changed the configuration to static WEP. The screen displayed 64-bit WEP and the keys were truncated to 64 bits. The 128-bit WEP information should be remembered.

6. [BUG FIX]  
Model name show P660HW not P-334WT in Dashboard.
7. [BUG FIX]  
Symptom: The "Reset" button of Back to Factory Defaults is unavailable.  
Condition: eWC-> MAINTENANCE-> Configuration, IE displayed "網頁發生錯誤" after click "Reset" button.
8. [FEATURE CHANGED]  
With the screen set to 800x600 pixels, the user cannot see or reach all of the menu options, unless the menu options are limited to the major menu items. For example, if Advanced is open, the user cannot see the Maintenance or Logout options. The present design assumes everyone will use 1024x768 pixels, or higher.
9. [BUG FIX]  
Symptom: WPA Mixed mode fail.  
Condition: 1). One station run WPA (TLS).  
2). the other one run 802.1x-TLS (Dynamic 64/128 WEP), can't connect with DUT.
10. [BUG FIX]  
Symptom: DUT reboots by H/W watch dog.  
Condition: 1). eWC-> wireless, disable Wireless LAN, Apply.  
2). Enable Wireless LAN, Apply.  
3). disable G+ Enhanced then change RTS/CTS Threshold & Fragmentation Threshold to 2432, Apply.  
The Setting can't save to rom and DUT reboots by H/W watch dog.
11. [BUG FIX]  
When I disable wireless LAN, the WLAN light turns off, but the site is still visible in a site survey on two laptops.
12. [BUG FIX]  
Symptom: Rom file damaged.  
Condition: 1). eWC-> Firewall-> Services, add FTP(TCP:20,21) to Blocked Services, Apply.  
2). eWC-> Firewall-> Services, delete FTP(TCP:20,21) from Blocked Services, Apply.  
3). Reboot DUT, DUT will do crash dump cycle.
13. [BUG FIX]  
Symptom: Configuration problem of BM.  
Condition: 1). eWC-> Bandwidth Management, add rule one, Apply.  
2). eWC-> Bandwidth Management-> Select rule one-> Edit, not change anything, Apply. Can't save again that display "Destination IP format error !".
14. [BUG FIX]  
Symptom: Bandwidth management problem  
Condition: 1.Edit bandwidth management rule for FTP/WWW/Mail  
2.Generate FTP/WWW/Mail package by chariot  
3.Monitor bandwidth usage status =>Fail, bandwidth usage not correct

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15. [BUG FIX]  
Use Smartbit test throughput are lower than V3.60(JN.0)b1.
16. [BUG FIX]  
Symptom: DUT crash.  
Condition: 1). Set WAN to PPTP mode.  
2). Spoof MAC address of LAN IP.  
3). First & second times happened : access support SSL's web site.  
Third times happened : Access internet web site and poop up TMSS's Dashboard.  
Exception occurred!  
EPC= 0x8009E5D0  
SR= 0x00000003  
CR= 0x9080840C  
\$RA= 0x00000000  
TLBS..\src\sys\_isr.c:489 sysreset()
17. [BUG FIX]  
Symptom: DUT will crash after run FTP stress test.  
Condition: 1). WAN Encapsulation set to PPTP mode.  
2). One host use FTP download file overnight by wireless.  
3). One host use FTP download file overnight by wire.  
Exception occurred!  
EPC= 0x800A88D0  
SR= 0x00000003  
CR= 0x90808414  
\$RA= 0x00000000  
AdES ..\src\sys\_isr.c:489 sysreset()

**Modification in 3.60(JN.0)b2 | 10/01/2004**

18. [BUG FIX]  
Symptom: ICMP packet cannot response.  
Condition: 1. Enable Firewall and set default SUA server to a exist host.  
2. ICMP packet would be blocked by Firewall.
19. [BUG FIX]  
Symptom & Condition: Buttons of multi language cannot work when using Mozilla login.
20. [BUG FIX]  
Symptom: Display error in parental control.  
Condition: 1. Active parental control.  
2. After a period time.  
3. In eWC->TMSS->Parental Control, has "0.0.0.0" displayed in address list.
21. [FEATURE CHANGED]  
Change the redirect URL of TMSS from IP to domain name.
22. [FEATURE ENHANCED]  
Support multi language for blocking page of Parental Control.
23. [BUG FIX]

- Symptom: System crash.  
Condition: 1. Enable TMSS->Parental Control.  
2. Connect to Internet and router would crash sometimes.
24. [FEATURE ENHANCED]  
Router will trigger license check if client active register at dashboard.
25. [BUG FIX]  
Symptom & Condition: Trend Micro Internet Security 2005 cannot display correctly at eWC.
26. [BUG FIX]  
Symptom: Sometimes router reboots by software watchdog.  
Condition: 1. Put router on the network for a long time.  
2. Sometimes router will reboot by software watchdog.
27. [FEATURE CHANGED]  
When enable/disable Trend Micro Security Services at Service Settings, router will also enable/disable Automatically update and parental control.
28. [BUG FIX]  
Symptom: Script error occurs when setting static IP via Wizard Setup.  
Condition: 1. Turn on IE's script error notification.  
2. Setup static IP via Wizard Setup.  
3. Script error occurs when clicking the "Next" button.
29. [BUG FIX]  
Symptom & Condition: Html code is displayed on the Parental Control blocking page.
30. [FEATURE CHANGED]  
Remove SMT14 Dial-in User Setup. In SMT23.4, no local user database available anymore in Authentication Databases.
31. [BUG FIX]  
Use Mozilla login, buttons of Multi language can't work on home page.
32. [BUG FIX]  
Symptom: DUT crash while click DHCP Table.  
Condition: 1). Set LAN DHCP server= None.  
2). Check host can ping DUT's LAN by static IP.  
3). eWC-> MAINTENANCE, If click DHCP Table that will be occurred DUT crash.
33. [BUG FIX]  
Symptom: Can't save PPTP to static IP by Wizard configuration  
Condition: 1). eWC-> Connection Wizard 2, change Encapsulation to PPTP.  
2). eWC-> Connection Wizard 3, select "Use fixed IP address" and set My WAN IP Address, Apply.  
3). Screen display "Error: Subnet Mask format error."
34. [BUG FIX]  
Symptom: In eWC VPN SA monitor not show active VPN rule.  
Condition: In eWC VPN SA monitor not show active VPN rule when VPN tunnel is establish.
35. [BUG FIX]  
Symptom: Bandwidth management problem  
Condition: 1.Edit bandwidth management rule for FTP/WWW/Mail

2. Generate FTP/WWW/Mail package by chariot
3. Monitor bandwidth usage status => Fail, bandwidth usage not correct
36. [BUG FIX]  
Symptom: Model name is wrong.  
Condition: Model name is P-334WT, not Prestige 334WT. Please modify all model name in system.
37. [BUG FIX]  
DUT will crash while test throughput of VPN IKE 3DES by SmartBits.  
(Test duration set to 60 sec).
38. [BUG FIX]  
Symptom: Can't access Java web.  
Condition: 1). eWC-> CONTENT FILTER, enable block Cookies.  
2). Can't access Java web: http://java.sun.com/applets/.
39. [BUG FIX]  
Symptom: GUI's problem for VPN's configuration.  
Condition: eWC-> ADVANCED->VPN ->Rule Setup, VPN configuration can't save to rom if Local-content-IP is none.
40. [BUG FIX]  
Symptom: The WLAN's status should be Down when Wireless is disabled.  
Condition: 1). Disable Wireless.  
2). WLAN's status still displayed 54M in menu 24.1.
41. [BUG FIX]  
Symptom: Wireless is unstable with G-100, the connection is easy to drop.  
Condition: 1). Host use G-100 to connect with P-334WT (no security).  
2). The connection is easy to drop while download file.
42. [BUG FIX]  
Symptom: DUT reboot after run eMule.  
Condition: 1). Set WAN Encapsulation to Ethernet/ Dynamic IP.  
2). Set forwarding 4661 ~ 4662 port to host.  
3). Host run eMule about 2 hours, DUT reboot.
43. [BUG FIX]  
Symptom: DUT do reboot cycle  
Condition: 1). Continue SPR 40923908.  
2). Run eMule & access internet web about 3 hours, DUT do reboot cycle.
44. [BUG FIX]  
Symptom: Has different subnet mask IP display in DHCP  
Condition: 1). Set a Static DHCP rule for Host\_A, and the IP not in range of IP Pool.  
(ex, Static DHCP IP set 192.168.1.5, IP Pool starting address: 192.168.1.33)  
2). Host\_A get 192.168.1.5 IP from DUT.  
3). Host\_B get 192.168.1.33 IP from DUT.  
4). eWC-> MAINTENANCE-> DHCP Table, display "192.168.2.31" IP assign to Host\_B.
45. [BUG FIX]  
Symptom: DUT always to authenticate with Radius server.  
Condition: 1). Set wireless Security to 802.1x+ Static WEP.  
2). Set Authentication Databases to Radius-first-then-Local.

- 3). Set username & password in Local database (MD5).  
4). Station can't authenticate MD5 successfully with DUT's Local database, because it only to check Radius server.
46. [BUG FIX]  
Symptom: SIP pass through fail.  
Condition: P2000W\_1----P-334WT\_1-----P-334WT\_2----- P2000W\_2  
1. Phone call setting is Proxy IP.  
2. P2000W\_2 can't receive P2000W\_1's Ring.
47. [BUG FIX]  
Symptom: P2002 (Proxy IP) SIP pass through test fail.  
Condition: P2002\_1----P-334WT\_1-----P-334WT\_2----- P2002\_2  
1. Phone call setting is Proxy IP.  
2. P2002\_2 can't receive P2002\_1's Ring.
48. [BUG FIX]  
Symptom: SIP pass through fail  
Condition: P2000W\_1----P-334WT\_1-----P-334WT\_2----- P2000W\_2  
1. Phone call setting is P2P.  
2. Set default server to P2000W.  
3. P2000W\_2 can't receive P2000W\_1's Ring.
49. [BUG FIX]  
Symptom: P2002 (P2P) SIP pass through test fail.  
Condition: P2002\_1----P-334WT\_1-----P-334WT\_2----- P2002\_2  
1. Phone call setting is P2P.  
2. Set default server to P2002.  
3. P2002\_2 can't receive P2002\_1's Ring.
50. [BUG FIX]  
Symptom: Display error in parental control.  
Condition: 1). Active parental control.  
2). After a period time.  
3). In eWC->TMSS->Parental Control, has "0.0.0.0" displayed in address list.
51. [BUG FIX]  
Symptom: DUT didn't response ICMP packet if set default SUA server.  
Condition: 1). Set default SUA server to a exist device.  
2). Ping WAN IP fail, The ICMP will be blocked for firewall rule.
52. [BUG FIX]  
Symptom: AOL 9.0, Live video chat FAIL.  
Condition: PC\_1----P-334WT\_1-----P-334WT\_2----- PC\_2  
1. "Live video chat" can't work.
53. [BUG FIX]  
Symptom: Error log problem.  
Condition: 1). In menu 24.8, "enter sys log err dis".  
2). You will have the result below, by those dump we can see the serial number are not continuous. And the time was automatically add one hour(the actual time=display time - one hour).

1 Thu Sep 23 14:13:15 2004 PP10 WARN netMakeChannDial: err=-3001

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rn\_p=809de930  
4 Thu Sep 23 14:13:18 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
8 Thu Sep 23 14:13:21 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
12 Thu Sep 23 14:13:24 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
14 Thu Sep 23 14:13:27 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
17 Thu Sep 23 14:13:30 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
18 Thu Sep 23 14:14:45 2004 PP1b WARN Last errorlog repeat 24 Times  
20 Thu Sep 23 14:14:45 2004 PP10 WARN netMakeChannDial: err=-3001  
rn\_p=809de930  
21 Thu Sep 23 14:15:33 2004 PP15 WARN Last errorlog repeat 15 Times  
54. [BUG FIX]  
Symptom: Sometimes P2000W can't get IP from P-334WT.  
Condition: 1). Set wireless to no security.  
2). Use P2000W association with DUT successfully.  
3). Sometimes can get IP from DUT, sometimes can't.  
55. [BUG FIX]  
Symptom: DUT crash.  
Condition: 1). Set WAN to PPTP mode.  
2). Spoof MAC address of LAN IP.  
3). First & second times happened : access support SSL's web site.  
Third times happened : Access internet web site and poop up TMSS's Dashboard.  
Exception occurred!  
EPC= 0x8009E5D0  
SR= 0x00000003  
CR= 0x9080840C  
\$RA= 0x00000000  
TLBS..\src\sys\_isr.c:489 sysreset()

**Modification in 3.60(JN.0)b1 | 08/31/2004**  
First Firmware Release

**Annex A CI Command List**

Last Updated: 2002/11/26

Command Class List Table		
<a href="#">System Related Command</a>	<a href="#">Exit Command</a>	<a href="#">Device Related Command</a>
<a href="#">Ethernet Related Command</a>	<a href="#">POE Related Command</a>	<a href="#">PPTP Related Command</a>
<a href="#">Configuration Related Command</a>	<a href="#">IP Related Command</a>	<a href="#">IPSec Related Command</a>
<a href="#">Firewall Related Command</a>	<a href="#">Wireless LAN Related Command</a>	<a href="#">Bridge Related Command</a>
<a href="#">Radius Related Command</a>	<a href="#">802.1x Related Command</a>	<a href="#">Auto WLAN Security Delivery Command</a>

System Related Command				<a href="#">Home</a>
	Command			Description
sys				
	adjtime			retrive date and time from Internet
	callhist			
		display		display call history
		remove	<index>	remove entry from call history
	countrycode		[countrycode]	set country code
	date		[year month date]	set/display date
	domainname			display domain name
	edit		<filename>	edit a text file
	extraphnum			maintain extra phone numbers for outcalls
		add	<set 1-3> <1 <sup>st</sup> phone num> [2 <sup>nd</sup> phone num]	add extra phone numbers
		display		display extra phone numbers
		node	<num>	set all extend phone number to remote node <num>
		remove	<set 1-3>	remove extra phone numbers
		reset		reset flag and mask
	feature			display feature bit
	hostname		[hostname]	display system hostname
	logs			
		category		
			access [0:none/1:log/2:alert/3:both]	record the access control logs
			attack [0:none/1:log/2:alert/3:both]	record and alert the firewall attack logs
			display	display the category setting
			error [0:none/1:log/2:alert/3:both]	record and alert the system error logs
			ipsec [0:none/1:log/2:alert/3:both]	record the access control logs
			ike [0:none/1:log/2:alert/3:both]	record the access control logs
			javablocked [0:none/1:log]	record the java etc. blocked logs
			mten [0:none/1:log]	record the system maintenance logs
			upnp [0:none/1:log]	record upnp logs
			urlblocked [0:none/1:log/2:alert/3:both]	record and alert the web blocked logs
			urlforward [0:none/1:log]	record web forward logs
		clear		clear log
		display	[access attack error ipsec ike javablocked mten urlblocked urlforward]	display all logs or specify category logs
		errlog		
			clear	display log error
			disp	clear log error
			online	turn on/off error log online display
		load		load the log setting buffer

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		mail		
			alertAddr [mail address]	send alerts to this mail address
			display	display mail setting
			logAddr [mail address]	send logs to this mail address
			schedule display	display mail schedule
			schedule hour [0-23]	hour time to send the logs
			schedule minute [0-59]	minute time to send the logs
			schedule policy [0:full/1:hourly/2:daily/3:weekly/4:none]	mail schedule policy
			schedule week [0:sun/1:mon/2:tue/3:wed/4:thu/5:fri/6:sat]	weekly time to send the logs
			server [domainName/IP]	mail server to send the logs
			subject [mail subject]	mail subject
		save		save the log setting buffer
		syslog		
			active [0:no/1:yes]	active to enable unix syslog
			display	display syslog setting
			facility [Local ID(1-7)]	log the messages to different files
			server [domainName/IP]	syslog server to send the logs
	log			
		clear		clear log error
		disp		display log error
		online	[on/off]	turn on/off error log online display
		resolve		Resolve mail server and syslog server address
	mbuf			
		link	link	list system mbuf link
		pool	<id> [type]	list system mbuf pool
		status		display system mbuf status
		disp	<address>	display mbuf status
		cnt		
			disp	display system mbuf count
			clear	clear system mbuf count
		debug	[on/off]	
	pwderrtm		[minute]	Set or display the password error blocking timeout value.
	rn			
		load	<entry no.>	load remote node information
		disp	<entry no.>(0:working buffer)	display remote node information
		nat	<none sua full_feature>	config remote node nat
		nailup	<no yes>	config remote node nailup
		mtu	<value>	set remote node mtu
		save	[entry no.]	save remote node information
	smt			not support in this product
	stdio		[minute]	change terminal timeout value
	time		[hour [min [sec]]]	display/set system time
	trdisp			monitor packets
	trclog			
	trcpacket			
	syslog			
		server	[destIP]	set syslog server IP address
		facility	<FacilityNo>	set syslog facility
		type	[type]	set/display syslog type flag

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		mode	[on/off]	set syslog mode
	version			display RAS code and driver version
	view		<filename>	view a text file
	wdog			
		switch	[on/off]	set on/off wdog
		cnt	[value]	display watchdog counts value: 0-34463
	romreset			restore default romfile
	server			
		access	<telnet ftp web icmp snmp dns> <value>	set server access type
		load		load server information
		disp		display server information
		port	<telnet ftp web snmp> <port>	set server port
		save		save server information
		secureip	<telnet ftp web icmp snmp dns> <ip>	set server secure ip addr
	fwnotify			
		load		load fwnotify entry from spt
		save		save fwnotify entry to spt
		url	<url>	set fwnotify url
		days	<days>	set fwnotify days
		active	<flag>	turn on/off fwnotify flag
		disp		display firmware notify information
		check		check firmware notify event
		debug	<flag>	turn on/off firmware notify debug flag
	cmgr			
		trace		
			disp <ch-name>	show the connection trace of this channel
			clear <ch-name>	clear the connection trace of this channel
		cnt	<ch-name>	show channel connection related counter
	socket			display system socket information
	filter			
		netbios		
	roadrunner			
		debug	<level>	enable/disable roadrunner service 0: disable <default> 1: enable
		display	<iface name>	display roadrunner information iface-name: enif0, wanif0
		restart	<iface name>	restart roadrunner
	ddns			
		debug	<level>	enable/disable ddns service
		display	<iface name>	display ddns information
		restart	<iface name>	restart ddns
		logout	<iface name>	logout ddns
	cpu			
		display		display CPU utilization
	filter			
		netbios		
	upnp			
		active	[0:no/1:yes]	Activate or deactivate the saved upnp settings
		config	[0:deny/1:permit]	Allow users to make configuration changes. through UPnP
		display		display upnp information
		firewall	[0:deny/1:pass]	Allow UPnP to pass through Firewall.
		load		save upnp information

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		save		save upnp information
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## Exit Command

[Home](#)

Command				Description
exit				exit smt menu

## Device Related Command

[Home](#)

Command				Description
dev				
	channel			
		drop	<channel name>	drop channel
	dial		<node#>	dial to remote node

## Ethernet Related Command

[Home](#)

Command				Description
ether				
	config			display LAN configuration information
	driver			
		cnt		
			disp <name>	display ether driver counters
		ioctl	<ch_name>	Useless in this stage.
		status	<ch_name>	see LAN status
	version			see ethernet device type
	pkttest			
		disp		
			packet <level>	set ether test packet display level
			event <ch> [on/off]	turn on/off ether test event display
		sap	[ch_name]	send sap packet
		arp	<ch_name> <ip-addr>	send arp packet to ip-addr
	debug			
		disp	<ch_name>	display ethernet debug information
		level	<ch_name> <level>	set the ethernet debug level level 0: disable debug log level 1: enable debug log (default)
	edit			
		load	<ether no.>	load ether data from spt
		mtu	<value>	set ether data mtu
		accessblock	<0:disable 1:enable>	block internet access
		save		save ether data to spt

## POE Related Command

[Home](#)

Command				Description
poe				
	status		[ch_name]	see poe status
	dial		<node>	dial a remote node
	drop		<node>	drop a pppoe call
	ether		[rfc3com]	set /display pppoe ether type

## PPTP Related Command

[Home](#)

Command				Description
pptp				
	dial		<rn-name>	dial a remote node
	drop		<rn-name>	drop a remote node call
	tunnel		<tunnel id>	display pptp tunnel information

## Configuration Related Command

[Home](#)

Command					Description
config					The parameters of config are listed below.
edit	firewall	active <yes/no>			Activate or deactivate the saved firewall settings
retrieve	firewall				Retrieve current saved firewall settings
save	firewall				Save the current firewall settings
display	firewall				Displays all the firewall settings
		set <set#>			Display current entries of a set configuration; including timeout values, name, default-permit, and number of rules in the set.
		set <set#>	rule <rule#>		Display current entries of a rule in a set.
		attack			Display all the attack alert settings in PNC
		e-mail			Display all the e-mail settings in PNC
		?			Display all the available sub commands
		e-mail	mail-server <mail server IP>		Edit the mail server IP to send the alert
			return-addr <e-mail address>		Edit the mail address for returning an email alert
			e-mail-to <e-mail address>		Edit the mail address to send the alert
			policy <full   hourly  daily   weekly>		Edit email schedule when log is full or per hour, day, week.
			day <sunday   monday   tuesday   wednesday   thursday   friday   saturday>		Edit the day to send the log when the email policy is set to Weekly
			hour <0~23>		Edit the hour to send the log when the email policy is set to daily or weekly
			minute <0~59>		Edit the minute to send to log when the email policy is set to daily or weekly
			Subject <mail subject>		Edit the email subject
		attack	send-alert <yes/no>		Activate or deactivate the firewall DoS attacks notification emails
			block <yes/no>		Yes: Block the traffic when exceeds the tcp-max-incomplete threshold
					No: Delete the oldest half-open session when exceeds the tcp-max-incomplete threshold
			block-minute <0~255>		Only valid when sets 'Block' to yes. The unit is minute
			minute-high <0~255>		The threshold to start to delete the old half-opened sessions to minute-low
			minute-low <0~255>		The threshold to stop deleting the old half-opened session
			max-incomplete-high <0~255>		The threshold to start to delete the old half-opened sessions to max-incomplete-low
			max-incomplete-low <0~255>		The threshold to stop deleting the half-opened session
			tcp-max-incomplete ete <0~255>		The threshold to start executing the block field

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		set <set#>	name <desired name>		Edit the name for a set
			default-permit <forward block>		Edit whether a packet is dropped or allowed when it does not match the default set
			icmp-timeout <seconds>		Edit the timeout for an idle ICMP session before it is terminated
			udp-idle-timeout <seconds>		Edit the timeout for an idle UDP session before it is terminated
			connection-timeout <seconds>		Edit the wait time for the SYN TCP sessions before it is terminated
			fin-wait-timeout <seconds>		Edit the wait time for FIN in concluding a TCP session before it is terminated
			tcp-idle-timeout <seconds>		Edit the timeout for an idle TCP session before it is terminated
			pnc <yes no>		PNC is allowed when 'yes' is set even there is a rule to block PNC
			log <yes no>		Switch on/off sending the log for matching the default permit
			rule <rule#>	permit <forward block>	Edit whether a packet is dropped or allowed when it matches this rule
				active <yes no>	Edit whether a rule is enabled or not
				protocol <0~255>	Edit the protocol number for a rule. 1=ICMP, 6=TCP, 17=UDP...
				log <none match not-match both>	Sending a log for a rule when the packet none matches not match both the rule
				alert <yes no>	Activate or deactivate the notification when a DoS attack occurs or there is a violation of any alert settings. In case of such instances, the function will send an email to the SMTP destination address and log an alert.
				srcaddr-single <ip address>	Select and edit a source address of a packet which complies to this rule
				srcaddr-subnet <ip address> <subnet mask>	Select and edit a source address and subnet mask if a packet which complies to this rule.
				srcaddr-range <start ip address> <end ip address>	Select and edit a source address range of a packet which complies to this rule.
				destaddr-single <ip address>	Select and edit a destination address of a packet which complies to this rule
				destaddr-subnet <ip address> <subnet mask>	Select and edit a destination address and subnet mask if a packet which complies to this rule.
				destaddr-range <start ip address> <end ip address>	Select and edit a destination address range of a packet which complies to this rule.
				tcp destport-single <port#>	Select and edit the destination port of a packet which comply to this rule. For non-consecutive port numbers, the user may repeat this command line to enter the multiple port numbers.
				tcp destport-range <start port#> <end port#>	Select and edit a destination port range of a packet which comply to this rule.
				udp destport-single <port#>	Select and edit the destination port of a packet which comply to this rule. For non-consecutive port numbers, users may repeat this command line to enter the multiple port numbers.
				udp destport-range <start port#> <end port#>	Select and edit a destination port range of a packet which comply to this rule.

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				desport-custom <desired custom port name>	Type in the desired custom port name
delete	firewall	e-mail			Remove all email alert settings
		attack			Reset all alert settings to defaults
		set <set#>			Remove a specified set from the firewall configuration
		set <set#>	rule <rule#>		Remove a specified rule in a set from the firewall configuration
insert	firewall	e-mail			Insert email alert settings
		attack			Insert attack alert settings
		set <set#>			Insert a specified rule set to the firewall configuration
		set <set#>	rule <rule#>		Insert a specified rule in a set to the firewall configuration
cli					Display the choices of command list.
debug	<1 0>				Turn on/off trace for firewall debug information.

Wireless LAN Related Command

[Home](#)

Command				Description
wlan				
	active		[on off]	set on/off wlan
	association			display association list
	chid		[channel id]	set channel
	diagnose			self-diagnostics
	essid		[ess id]	set ESS ID
	version			display WLAN version information

Bridge Related Command

[Home](#)

Command				Description
Bridge				
	cnt			related to bridge routing statistic table
		Disp		display bridge route counter
		Clear		clear bridge route counter
	stat			related to bridge packet statistic table
		Disp		display bridge route packet counter
		Clear		clear bridge route packet counter

Radius Related Command

[Home](#)

Command				Description
Radius				
	auth			show current radius authentication server configuration
	acct			show current radius accounting server configuration

802.1x Related Command

[Home](#)

Command				Description
8021x				
	debug	Level	[debug level]	set ieee802.1x debug message level
		Trace		show all supplications in the supplication table
		User	[username]	show the specified user status in the supplicant table

IP Related Command

[Home](#)

Command				Description
ip				
	address		[addr]	display host ip address
	alias		<iface>	alias iface
	aliasdis		<0 1>	disable alias
	arp			
		status	<iface>	display ip arp status
	dhcp		<iface>	
		client		
			release	release DHCP client IP
			renew	renew DHCP client IP
		status	[option]	show dhcp status
	dns			
		query		
		server	<primary> [secondary] [third]	set dns server
		stats		
			clear	clear dns statistics
			disp	display dns statistics
	httpd			
	icmp			
		status		display icmp statistic counter
		discovery	<iface> [on off]	set icmp router discovery flag
	ifconfig		[iface] [ipaddr] [broadcast <addr>  mtu <value> dynamic]	configure network interface
	ping		<hostid>	ping remote host
	route			
		status	[if]	display routing table
		add	<dest_addr default>[/<bits>] <gateway> [<metric>]	add route
		addiface	<dest_addr default>[/<bits>] <gateway> [<metric>]	add an entry to the routing table to iface
		addprivate	<dest_addr default>[/<bits>] <gateway> [<metric>]	add private route
		drop	<host addr> [/<bits>]	drop a route
	smtp			
	status			display ip statistic counters
	stroute			
		display	[rule #   buf]	display rule index or detail message in rule.
		load	<rule #>	load static route rule in buffer
		save		save rule from buffer to spt.
		config		
			name <site name>	set name for static route.
			destination <dest addr>[/<bits>] <gateway> [<metric>]	set static route destination address and gateway.
			mask <IP subnet mask>	set static route subnet mask.
			gateway <IP address>	set static route gateway address.
			metric <metric #>	set static route metric number.
			private <yes no>	set private mode.
			active <yes no>	set static route rule enable or disable.
	traceroute		<host> [ttl] [wait] [queries]	send probes to trace route of a remote host
	xparent			
		join	<iface1> [<iface2>]	join iface2 to iface1 group
		break	<iface>	break iface to leave ipxparent group
	ave			anti-virus enforce

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	urlfilter			
		reginfo		
			display	display urlfilter registration information
			name	set urlfilter registration name
			eMail <size>	set urlfilter registration email addr
			country <size>	set urlfilter registration country
			clearAll	clear urlfilter register information
		category		
			display	display urlfilter category
			webFeature [block/nonblock] [activex/java/cookei/webproxy]	block or unblock webfeature
			logAndBlock [log/logAndBlock]	set log only or log and block
			blockCategory [block/nonblock] [all/type(1-14)]	block or unblock type
			timeOfDay [always/hh:mm] [hh:mm]	set block time
			clearAll	clear all category information
		listUpdate		
			display	display listupdate status
			actionFlags [yes/no]	set listupdate or not
			scheduleFlag [pending]	set schedule flag
			dayFlag [pending]	set day flag
			time [pending]	set time
			clearAll	clear all listupdate information
		exemptZone		
			display	display exemptzone information
			actionFlags [type(1-3)][enable/disable]	set action flags
			add [ip1] [ip2]	add exempt range
			delete [ip1] [ip2]	delete exempt range
			clearAll	clear exemptzone information
		customize		
			display	display customize action flags
			actionFlags[filterList/disableAllExce ptTrusted/unblockRWFTToTrusted/k eywordBlock/fullPath/caseInsensiti ve/fileName][enable/disable]	set action flags
			logFlags [type(1-3)][enable/disable]	set log flags
			add [string] [trust/untrust/keyword]	add url string
			delete [string] [trust/untrust/keyword]	delete url string
			clearAll	clear all information
		logDisplay		display cyber log
		ftplist		update cyber list data
		listServerIP	<ipaddr>	set list server ip
		listServerName	<name>	set list server name
	tredir			
		failcount	<count>	set tredir failcount
		partner	<ipaddr>	set tredir partner
		target	<ipaddr>	set tredir target
		timeout	<timeout>	set tredir timeout
		checktime	<period>	set tredir checktime
		active	<on/off>	set tredir active
		save		save tredir information
		disp		display tredir information

		debug	<value>	set tredir debug value
	nat			
		server		
			disp	display nat server table
			load <set id>	load nat server information from ROM
			save	save nat server information to ROM
			clear <set id>	clear nat server information
			edit active <yes/no>	set nat server edit active flag
			edit svrport <start port> [end port]	set nat server server port
			edit intport <start port> [end port]	set nat server forward port
			edit remotehost <start ip> [end ip]	set nat server remote host ip
			edit leasetime [time]	set nat server lease time
			edit rulename [name]	set nat server rule name
			edit forwardip [ip]	set nat server server ip
			edit protocol [protocol id]	set nat server protocol
			edit clear	clear one rule in the set
		service		
			irc [on/off]	turn on/off irc flag
		resetport		reset all nat server table entries
		incikeport	[on/off]	turn on/off increase ike port flag
	igmp			
		debug	[level]	set igmp debug level
		forwardall	[on/off]	turn on/off igmp forward to all interfaces flag
		querier	[on/off]	turn on/off igmp stop query flag
		iface		
			<iface> grouptm <timeout>	set igmp group timeout
			<iface> interval <interval>	set igmp query interval
			<iface> join <group>	join a group on iface
			<iface> leave <group>	leave a group on iface
			<iface> query	send query on iface
			<iface> rsptime [time]	set igmp response time
			<iface> start	turn on of igmp on iface
			<iface> stop	turn off of igmp on iface
			<iface> ttl <threshold>	set ttl threshold
			<iface> vl compat [on/off]	turn on/off vl compat on iface
		robustness	<num>	set igmp robustness variable
		status		dump igmp status
	pr			

## IPSec Related Command

[Home](#)

Command				Description
ipsec				
	debug	<1 0>		turn on/off trace for IPsec debug information
	ipsec_log_disp			show IPsec log, same as menu 27.3
	route	lan	<on/off>	After a packet is IPsec processed and will be sent to LAN side, this switch is to control if this packet can be applied IPsec again.
				Remark: Command available since 3.50(WA.3)
		wan	<on/off>	After a packet is IPsec processed and will be sent to WAN side, this switch is to control if this packet can be applied IPsec again.
				Remark: Command available since 3.50(WA.3)
	show_runtime	sa		display runtime phase 1 and phase 2 SA information

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		spd		When a dynamic rule accepts a request and a tunnel is established, a runtime SPD is created according to peer local IP address. This command is to show these runtime SPD.
	switch	<on off>		As long as there exists one active IPsec rule, all packets will run into IPsec process to check SPD. This switch is to control if a packet should do this. If it is turned on, even there exists active IPsec rules, packets will not run IPsec process.
	timer	chk_my_ip	<1~3600>	- Adjust timer to check if WAN IP in menu is changed
				- Interval is in seconds
				- Default is 10 seconds
				- 0 is not a valid value
		chk_conn.	<0~255>	- Adjust auto-timer to check if any IPsec connection has no traffic for certain period. If yes, system will disconnect it.
				- Interval is in minutes
				- Default is 2 minutes
				- 0 means never timeout
		update_peer	<0~255>	- Adjust auto-timer to update IPsec rules which use domain name as the secure gateway IP.
				- Interval is in minutes
				- Default is 30 minutes
				- 0 means never update
	updatePeerIp			Remark: Command available since 3.50(WA.3) Force system to update IPsec rules which use domain name as the secure gateway IP right away.
				Remark: Command available since 3.50(WA.3)
	dial	<rule #>		Initiate IPsec rule <#> from ZyWALL box
				Remark: Command available since 3.50(WA.3)
	display	<rule #>		Display IPsec rule #
	remote	key	<string>	I add a secured remote access tunnel with pre-shared key. It is a dynamic rule with local: the route's WAN IP. The algorithms with it are fixed to phase1: DES+MD5, DH1 and SA lifetime 28800 seconds; phase2: DES+MD5, PFS off, no anti-replay and SA lifetime 28800 seconds. The length of pre-shared key is between 8 to 31 ASCII characters.
		switch	<on off>	Activate or de-activate the secured remote access tunnel.
	keep_alive	<rule #>	<on off>	Set ipsec keep_alive flag
	load	<rule #>		Load ipsec rule
	save			Save ipsec rules
	config	netbios	active <on off>	Set netbios active flag
			group <group index1, group index2...>	Set netbios group
		name	<string>	Set rule name
		name	<string>	Set rule name
		keyAlive	<Yes  No>	Set keep alive or not
		lcIdType	<0:IP   1:DNS   2:Email>	Set local ID type
		lcIdContent	<string>	Set local ID content
		myIpAddr	<IP address>	Set my IP address

		peerIdType	<0:IP   1:DNS   2:Email>	Set peer ID type
		peerIdContent	<string>	Set peer ID content
		secureGwAddr	<IP address   Domain name>	Set secure gateway address or domain name
		protocol	<1:ICMP   6:TCP   17:UDP>	Set protocol
		lcAddrType	<0:single   1:range   2:subnet>	Set local address type
		lcAddrStart	<IP>	Set local start address
		lcAddrEndMask	<IP>	Set local end address or mask
		lcPortStart	<port>	Set local start port
		lcPortEnd	<port>	Set local end port
		rmAddrType	<0:single   1:range   2:subnet>	Set remote address type
		rmAddrStart	<IP>	Set remote start address
		rmAddrEndMask	<IP>	Set remote end address or mask
		rmPortStart	<port>	Set remote start port
		rmPortEnd	<port>	Set remote end port
		antiReplay	<Yes   No>	Set anitreplay or not
		keyManage	<0:IKE   1:Manual>	Set key manage
		ike	negotiationMode <0:Main   1:Aggressive>	Set negotiation mode in phase 1 in IKE
			preShareKey <string>	Set pre shared key in phase 1 in IKE
			p1EncryAlgo <0:DES   1:3DES>	Set encryption algorithm in phase 1 in IKE
			p1AuthAlgo <0:MD5   1:SHA1>	Set authentication algorithm in phase 1 in IKE
			p1SaLifeTime <seconds>	Set sa life time in phase 1 in IKE
			p1KeyGroup <0:DH1   1:DH2>	Set key group in phase 1 in IKE
			activeProtocol <0:AH   1:ESP>	Set active protocol in phase 2 in IKE
			p2EncryAlgo <0:Null   1:DES   2:3DES>	Set encryption algorithm in phase 2 in IKE
			p2AuthAlgo <0:MD5   1:SHA1>	Set authentication algorithm in phase 2 in IKE
			p2SaLifeTime <seconds>	Set sa life time in phase 2 in IKE
			encap <0:Tunnel   1:Transport>	set encapsulation in phase 2 in IKE
			pfs <0:None   1:DH1   2:DH2>	set pfs in phase 2 in IKE
		manual	activeProtocol <0:AH   1:ESP>	Set active protocol in manual
		manual ah	encap <0:Tunnel   1:Transport>	Set encapsulation in ah in manual
			spi <decimal>	Set spi in ah in manual
			authAlgo <0:MD5   1:SHA1>	Set authentication algorithm in ah in manual
			authKey <string>	Set authentication key in ah in manual
		manual esp	encap <0:Tunnel   1:Transport>	Set encapsulation in esp in manual
			spi <decimal>	Set spi in esp in manual
			encryAlgo <0:Null   1:DES   2:3DES>	Set encryption algorithm in esp in manual
			encryKey <string>	Set encryption key in esp in manual
			authAlgo <0:MD5   1:SHA1>	Set authentication algorithm in esp in manual
			authKey <string>	Set authentication key in esp in manual

## Firewall Related Command

[Home](#)

Command				Description
sys	Firewall			
		acl		
			disp	Display specific ACL set # rule #, or all ACLs.
		active	<yes/no>	Active firewall or deactivate firewall
		clear		Clear firewall log
		cnt		
			disp	Display firewall log type and count.
			clear	Clear firewall log count.

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		disp		Display firewall log
		online		Set firewall log online.
		pktdump		Dump the 64 bytes of dropped packet by firewall
		update		Update firewall
		dynamicrule		
		tcprst		
			rst	Set TCP reset sending on/off.
			rst113	Set TCP reset sending for port 113 on/off.
			display	Display TCP reset sending setting.
		icmp		
		dos		
			smtp	Set SMTP DoS defender on/off
			display	Display SMTP DoS defender setting.
			ignore	Set if firewall ignore DoS in lan/wan/dmz/wlan
		ignore		
			dos	Set if firewall ignore DoS in lan/wan/dmz/wlan
			triangle	Set if firewall ignore triangle route in lan/wan/dmz/wlan

Auto WLAN Security Delivery Related Command

[Home](#)

Command				Description
autoSec	Start			Start the process of WLAN configuration delivery
	Duration			Set the delivery process duration time in seconds
	Port			Set the communication port
	key			Set the communication encryption key