Fixed Anomalies for BayRS and BCC 15.4.0.1

Q00039795-04: IP Traffic Filters
A router with IP traffic filters configured to filter ICMP traffic can result in packet loss through the router.

Q00042490-03: AHB
The 'show ahb hosts' script results in a fault when a secure host is learned after an unsecure host.

Q00106649-03: AHB
AHB learned host addresses do not get added to the IP routing table.

Q00106904-03: AHB
AHB router does not delete the unsecure host address after learning a secure host address from the same MAC address.

Q00107267-03: AHB
Unable to delete AHB host table entries through TI MIB set or scripts.

Q00121937-02: DLSw
LLC is running out of context blocks, preventing new DLSw sessions from being established.

Q00138497-03: DSQMS
Weighted queues are not using 100% of available bandwidth.

Q00168112-01: X25
User traffic is dropped on an X.25 VC that is not in the DATAXFR state.

Q00203416-01: BCC_GRE
A fault may occur when configuring GRE/IPX using BCC.

Q00205390-02: SNMP
Repeatedly sending SNMP packets to a non-existent public string causes hogs bufs messages in the log and may affect the router's ability to process SNMP packets.

Q00208316-01: Protocol Priority
Outbound filters will not work when bandwidth on demand has been configured on an ISDN PPP circuit which also has protocol priority configured.

Q00209144-01: DSQMS
Ping response times are erratic on traffic passing through an interface that has DSQMS configured.

Q00218273-01: PP2430
The console port locks up on a PP2430 when a sync interface changes state.

Q00227675-01: Multilink PPP
The T304 and T310 timers are not implemented in BayRS for ISDN BRI/NET3. These two timers are configurable under the MIB attribute, wfIsdnSwitchCfgEntry.IsdnSwitchAddedNet3Timers. When this MIB is enabled, the two timers will be used for BRI/NET3.

Q00230618-01: Radius
Unable to configure a Radius client on the router if the second or third octet of the IP address is zero.

Q00245669-01: PP5430
The ‘show hardware config’ and ‘show hardware proms’ script commands result in errors when run on a PP5430 router.

Q00248191-02: BCC_IPX
Dynamically modifying the SAP update-interval via BCC causes a fault.

Q00255190-01: File System
Unnecessary log messages from file system cause confusion. An example of the log message is ‘NVFS error code 0xF is being converted to GFS code 17’.

Q00260631-01: Firewall
A Tag Violation fault may occur when firewall is configured with rules that have logging enabled.

Q00277772-02: NetBIOS
NetBIOS NAME QUERY frames are echoed back out the same interface they came in on.

Q00278716-01: FTP
The router will fault when trying to open an FTP session after the maximum number of sessions has been reached.

Q00279259-01: Firewall
'Firewall is not coming up' log message is seen when firewall is not configured.

Q00279289-01: NTP
After adding and deleting NTP peers, adding new NTP peers may cause the router to fault.

Q00280241-01: MIB
The ifEntry MIB entries for X.25 service records are incorrectly filled in.

Q00280387: BGP
BGP4 confederation peer does not announce IGP routes.

Q00282652-01: QLLC
Dynamically deleting the last DLSw related circuit will cause a fault on the router.

Q00284000-01: WCP
Dynamically deleting WCP may cause a fault on the router.

Q00284782: BCC_FT1
BCC reports the proper configuration of an FT-1 module on an AN router as an invalid Slot-Conn Combination.

Q00284755-01: MIB
The ifEntry.ifAdminStatus value is incorrect when an ISDN PPP hot standby circuit is inactive.

Q00285801-01: Multilink PPP
Multilink PPP may fault when the interfaces in the multilink are continuously bouncing.

Q00285834-01: MIB
The wfIfEntry.10 (wfIfInOctets) and wfIfEntry.16 (wfIfOutOctets) values are not correct on Frame Relay interfaces.

Q00285943-01: Scripts
Issuing the 'show ospf lsdbchecksum' script command will cause a fault on the router when the LSDB is very large.

Q00286999-01: MOSPF
Multicast streams may be dropped in a network configured with parallel MOSPF links.

Q00301776-01: AOT
AOT connections on the ARN 7S card are showing very high latency and are incorrectly grouping multiple packets together. The ARN is not detecting the packet boundaries and the wfSyncEntry RX Packets counter does not count the correct number of packets. A new Sync parameter, wfSyncPasyncMaxIdles, was added to set the maximum number of idle characters to be received before closing a read buffer. If it is 0 (default), then wfSyncAsyncCfgMaxIdleTimer is used to calculate the maximum value.

Q00302443-01: DLSw
Tag violation fault occurs running DLSw on an ATM interface.

Q00302691-01: PP2430
Cannot delete the pp2430boot.ppc file on a PP2430 router.

Q00305630-01: TI
Tag violation faults and memory corruption can occur when TI initializes.

Q00317437-01: X25
When the router is polled through SNMP for all X.25 service records, including the default service record, the router may incur a watchdog fault.

Q00322837-01: MIB
In a Dial backup configuration, the ifEntry MIB is not correct when Frame Relay goes down and the backup ISDN becomes active.

Q00412968: PIM
BayRS stops processing PIM Hello packet once it sees an unsupported option. If there are any supported options after the unsupported ones, they will be discarded.

Q00417120-01: Circuitless IP
Dynamically deleting a Circuitless IP interface that has a 32 bit mask and was part of the OSPF non-backbone area causes a type 3 LSDB to remain in the OSPF backbone forever.

Q00417476: RIP
A RIP announce policy will not work if the 'From OSPF router id' parameter is configured in the policy definition.

Q00417498-01: TI
A memory leak occurs when running the 'show sync' set of commands.

Q00422367-01: NAT
When multiple FTP port commands are issued and the addresses are translated through NAT, the PP5430 may hang or incur a fault.

Q00423358: VRRP
If you configure two virtual routers as Masters on a single network interface and then disable the network interface, the second virtual router transitions incorrectly from the MASTER state to the BACKUP state. If you configure the first virtual router as a Master and the second virtual router as a Backup and then disable the network interface, the second virtual router incorrectly remains in the BACKUP state. However, the log always shows that the routers have transitioned correctly to the INIT state.

Q00425453-01: DLS
DLSw connection remains in a CONNECTED state after a session is idle for more than 1 minute. The connection should be torn down before a new one is established.

Q00425468-01: IP
An IP interface will remain up for up to 120 seconds after it has been disabled. If VRRP is configured as master on this interface, it will remain as master until the interface comes down.

Q00426187-01: VRRP
Users should be allowed to ping the Virtual IP address through all non-VRRP interfaces as well as the VRRP interfaces.

Q00429421-03: OSPF
LSDB entries with the IP address bit-flipped are not handled correctly causing both the bit-flipped and non bit-flipped routes to be injected into the routing table.

Q00430123-01: WCLK
A fault may occur on an AN router after receiving an NTP update that requires an update to the clock due to a timing issue when the clock is updating internally.

Q00430901-01: OSPF NBMA
OSPF NBMA Interface intermittently gets stuck in exchange state when the router is flooding out type 3 database descriptor packets.

Q00432858-01: Frame Relay
When an SNMP get-next request for a Frame Relay MIB is sent to an IP address on an ATM interface, a VBM fault will occur on the ARE.

Q00436653-01: Multilink PPP
When the PPP multilink lines span multiple slots, and the attribute wfPppCircuitEntry.wfPppCircuitLampreyCompDisable has been configured for one of the slots, if that slot goes away and never comes back the multilink will not recover.

Q00437065: IP Traffic Filter
IP traffic filter instances change to an Inactive state when modified dynamically over ATM.

Q00460003-01: SRB
When Source Route Bridge End Station Support is configured on the router, a fault may result after aging occurs.

Q00458668-02: ATM
In a large ATM configuration with OAM configured, a watchdog may occur when there is a loss of connectivity from the telco switch.

Q00461358-01: PPP2430
When a Xircom PCMCIA modem is used as the console port the modem will answer but occasionally will not send the login prompt. This will result in a router fault within a few minutes.

Q00462601: BCC_FT1
The BCC 'show ft1e1 port' command results in an error message.

Q00464249-01: BCC_Circuitless IP
When a circuitless IP interface is configured using BCC, a different circuit name is given than when configured through Site Manager.

Q00464803-01: WCP
Unnecessary messages fill the log when traffic is sent across slots when PPP Multilink is configured across two slots along with WCP using hardware compression.

Q00470890-01: RIP
When RIP is configured on an ATM PVC, the router will only send 2-3 update packets per second. As a result, it can take a significant amount of time to update the entire routing table on a large network.

Q00472857: BCC_GRE
No IPX static host is created when the remote-endpoint of the logical-ipx-address is set to 1 in an GRE/IPX configuration.

Q00479405: IP Traffic Filters
Changing predefined IP criteria on outbound filters may cause a fault on the router.

Q00480417: BCC_Circuitless IP
When Circuitless IP is configured using BCC on a BLN router, a BCN slot mask will be shown when report generator is used on the configuration file.

Q00484079-02: PP2430
Repeated dialing into a PP2430 to open and close a TI session will eventually cause the router to fault.

Q00485407: PP5430
The PP5430 router may hang after a named boot is performed.

Q00486512: BCC
When circuit-name is configured using more than 256 characters using BCC, the router faults.

Q00490342: ARP

The BayRS router will fault if an ethernet interface is configured with ARPINARP and host cache aging.

Q00490837: RIP
RIP1 is importing RIP2 multicast updates and installing subnetted networks in the routing table. A new MIB parameter, wfRipIntfRipCompatible, has been added to make RIP work in conformance with RFC 1723. This acts a control switch to determine whether to accept RIP1 only, RIP2 only or both. It is configurable on a per interface basis. If enabled, RIP2 packets are broadcast, RIP1 ignores multicast packets and installs only natural address and mask in the routing table when it receives a RIP2 packet.

Q00491890: BCC_DLSw
Entering 'dlc-type sync' on serial port in BCC causes a bus error.

Q00493592-01: PP5430
FT-1 SDB modules in a PP5430 router may fail online hardware diagnostics after the router experiences a watchdog fault. The PP5430 Diags v1.16 needs to be loaded to resolve this issue.

Q00494478-01: VRRP
Disabling VRRP causes the router respond to ARP requests with a bogus MAC address.

Q00494662-01: Scripts
Execution of show commands on a PP5430 router results in a memory leak.

Q00494678-03: PP5430
A watchdog fault may occur on a PP5430 router when passing small frame IP traffic.

Q00494691: PP5430
The PP5430 Diags may erroneously read the FE-1 SDB as an ISDN SDB resulting in watchdog faults or hangs on the router. The PP5430 Diags v1.16 needs to be loaded to resolve this issue.

Q00495479-01: NAT
The NAT process may fault on boot up due to a timing issue where it tries to translate before other processes are up.

Q00499411-01: PP2430
On a PP2430 router that is configured for either Dial Backup or Hot Standby backing up an FT1 link, when the router detects a primary link failure on the FT1, the ISDN module will stop transmitting.

Q00502090: Protocol Priority
The disabling and subsequent enabling of Protocol Priority on an interface fails to properly set the wfCctOptsCct parameter resulting in Protocol Priority not functioning on that interface.

Q00503352: BCC_IP
When one IP interface of a multinetted IP circuit is deleted through BCC and that config file is saved then viewed through Site Manager, the Circuit Definition window will not show any configured protocols.

Q00510064-01: VRRP

VRRP may fault during initialization due to a timing issue between the dependant processes on the router.

Q00510450: BCC_PP5430
Configuring a second FT1 on a PP5430 router generates a "Duplicate Configuration" message.

Q00513245: AHB
Secure and unsecure AHB hosts are still being learned when AHB is disabled.

Q00513459: AHB
It is possible to create two AHB hosts with same MAC address.

Q00517502-03: PP5430
Request to allow the ability to turn off FDL (Facilities Data Link) functionality on the FT-1.

Q00519028-01: PP5430
A defective FT1 module may cause a hang when running diagnostic tests on a PP5430 router. The PP5430 Diags v1.16 needs to be loaded to resolve this issue.

Q00528026-01: Circuitless IP
On a very heavily loaded system, it can happen that the Circuitless IP soloist is mistakenly seen by another slot to be down, and the soloist is recreated on another slot. The result is that there are two instances of the soloist. A side effect of this may be orphan buffer messages in the log.