Fixed Anomalies for BayRS, BCC, and Site Manager Version 14.0.3

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Preface

This document describes the fixed anomalies made in Nortel Networks* BayRS*
Version 14.0.3 and Site Manager Software Version 14.0.3.

Before You Begin

Before using this guide, you must complete the following procedures. For a new
router:

- Install the router (see the installation guide that came with your router).

- Connect the router to the network and create a pilot configuration file (see
  Quick-Starting Routers, *Configuring Remote Access for AN and Passport
  ARN Routers*, or *Connecting ASN Routers to a Network)*.

Make sure that you are running the latest version of Nortel Networks BayRS and
Site Manager software. For information about upgrading BayRS and Site
Manager, see the upgrading guide for your version of BayRS.

Text Conventions

This guide uses the following text conventions:

bold text
Indicates command names and options and text that you need to enter.

Example: Enter **show ip** {**alerts** | **routes**}.

Example: Use the **dinfo** command.

italic text
Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore.

Example: If the command syntax is:
show at *<valid_route>*
valid_route is one variable and you substitute one value for it.

`screen text`
Indicates system output, for example, prompts and system messages.

Example: `Set Trap Monitor Filters`

Acronyms

This guide uses the following acronyms:

ABR	area border router
APPN	Advanced Peer-to-Peer Networking
ARE	ATM Routing Engine
ARN	Advanced Remote Node
ATM	asynchronous transfer mode
BCC	Bay Command Console
DLSw	data link switching
DLUR	dependent logical unit requestor

DVMRP	Distance Vector Multicast Routing Protocol
HSSI	High-Speed Serial Interface
IP	Internet Protocol
IPEX	Internet Protocol Encapsulation of X.25
LSA	link state advertisement
LSDB	link state database
MIB	management information base
NVFS	non-volatile file system
OSPF	Open Shortest Path First
RIP	Routing Information Protocol
TFTP	Trivial File Transfer Protocol
VRRP	Virtual Router Redundancy Protocol

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Fixed Anomalies for BayRS, BCC, and Site Manager Version 14.0.3

This document lists the anomalies (also referred to as change requests or CRs) that were fixed in Nortel Networks BayRS, BCC, and Site Manager Software Version 14.0.3.

Use these fixed anomalies with BayRS Version 14.00 and Site Manager Software Version 14.00 documentation.

Maintenance Release Methodology

BayRS and Site Manager Software Version 14.0.3 are Maintenance Releases.

Maintenance Releases are designated by a change in the second number to the right of the decimal point. They provide a collection of software fixes for the current Major Release. No new software or hardware features or functionality are introduced beyond that already contained in the current Major Release.

A Maintenance Release occurs approximately every three to four months after a Major Release occurs. A Maintenance Release replaces the current Major Release (or the prior Maintenance Release) and becomes the current shipping version of BayRS. Each Maintenance Release is a consolidation of the prior fixes made through Revision Releases and rolls up all such software fixes provided by the recent Revision Releases.

BayRS Version 14.0.3 Fixed Anomalies

BayRS Version 14.0.3 is a post-14.00 revision.

This BayRS version	Is managed by this version of Site Manager
14.0.3	14.0.1, 14.0.2, and 14.0.3
14.0.2	14.0.1, 14.0.2, and 14.0.3
14.0.1	14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1D13	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1D12	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1D11	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1D9	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1D5	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1C	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00, Revision 1	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3
14.00	14.00, 14.00 Revisions 1, 1C, 1D5, 1D9, 14.0.1, 14.0.2, and 14.0.3

The following anomalies with BayRS and the Bay Command Console (BCC*) have been fixed in BayRS Version 14.0.3.

Q00032218: NVFS
If you make changes to the flash card using the `format`, `compact`, `copy`, `delete`, `ftp`, `tftp`, or `partition` commands, the wfFsVolEntry MIB parameter does not get updated.

Q00035722: VRRP
If two ARN routers are configured to support two virtual routers, with the first ARN configured to master the first virtual router and the second ARN configured to master the second one, and each router is providing full redundancy and load balancing for the other, one ARN may eventually fault due to a global buffer depletion.

Q00036138: DVMRP
After bouncing DVMRP globally, duplicate packets may occur for 5-10 seconds.

Q00037709: DVMRP
A heavily loaded router running DVMRP may experience a GAME fault.

Q00038841: ATM Half-Bridge
BayRS allows you to configure up to 100 ATM half-bridge (AHB) circuits on a router.

Q00040095: DVMRP
After a circuit failure, the DVMRP routing table is not consistent between slots, causing excessive multicast traffic to be forwarded.

Q00040775: DVMRP
When running DVMRP on an ARE or FRE-4, if a large report is received or a slot comes up, the log may fill with the message `TXAP detected a start offset error`.

Q00043453: DVMRP
After a network outage in a DVMRP network, the forwarding router may stop forwarding all streams, causing a slot inconsistency between the forwarding and backup routers.

Q00043787: L2TP
When attempting to send more than 20 L2TP authentication requests per second to a Radius server, the L2TP logs the message `Retransmit buffer ring full, dropping outbound buffers` and drops all subsequent buffers.

Q00044818: IP
When booting a router or bouncing a frame relay virtual circuit, a valid IP static route configured over a virtual circuit may not get placed into the IP routing table.

Q00045207: APPN
When an APPN DLUR connection fails, a message about zero-length CV is logged.

Q00045595: HSSI
The HSSI driver module (hfsi.exe) is using a high percentage of the total CPU utilization when there is no traffic on this line.

Q000046382: DLSw
When receiving NETBIOS/SMB/NETLOGON frames via DLSw WAN/SSP, the router sometimes drops these frames.

Q00047410: OSPF
When a network outage occurs under the following conditions, a BDR of a non-backbone OSPF area may leave type 3 LSAs or network summaries of networks from that area max-aged in the LSDB:

- The router must be an area border router (ABR)

- The backbone network must be a broadcast network

- Another area on the router must be on a broadcast network, which is shared with other ABR routers

Q00054653-03: Frame Relay
The Passport 5430 and Passport 2430 routers will drop IP frames received over a Frame Relay network if they include a SNAP header.

Q00061776: VRRP
If a slot has more than 20 IP interfaces configured on it, VRRP may not come up.

Q00061782-01: OSPF
When an OSPF link becomes disconnected or disabled, thereby breaking an OSPF area into two parts separated by an RIP link, the OSPF EXTERN LSDB may not be added to the IP routing table.

Q00065603-01: Scripts
When entering an all ones subnet, the install.bat script for an ARN, Passport 2430, or Passport 5430 fails to prompt the user to enable all one subnetting.

Q00067980: DVMRP
When an upstream link has failed in a redundant topology, it is possible for a downstream router to lose track that it had pruned its upstream interface while receiving interim route changes (via redundant paths). If this occurs, traffic will not be forwarded to the downstream router until the prune timer expires.

Q00072335: ATMARP
When running ATMARP, duplicate virtual circuits show up for the same NTP-enabled AIX server.

Q00072480-02: OSPF
A tag violation may occur when the OSPF soloist is running on a FRE-4 slot.

Q00075513: IPEX
When using IPEX with several PVC-to-TCP or TCP-to-PVC gateway mappings, it you try to bring up an SVC and the LCN number of the PVCs are not consecutive, the router faults.

Q00084915: TFTP
Although TFTP appears to be loaded on the router, TFTP may fail to initialize if it tries to register with IP before the IP process is up.

Q00085165-01: OSPF
If you bounce OSPF on an area border router (ABR) with virtual links, a type 4 LSA may become max-aged in a non-backbone area.

Q0086236: OSPF
In certain topologies, an area border router of a non-backbone OSPF area may leave type 3 LSAs or network summaries of networks from that area max-aged in the LSDB. The problem occurs for self-originated summaries only.