

BayRS Version 15.0.0.0

Part No. 308664-15.0 Rev 00  
July 2001

600 Technology Park Drive  
Billerica, MA 01821-4130

# **Release Notes for Site Manager Software Version 15.0.0.0**

**NORTEL**  
**NETWORKS™**

---

## Copyright © 2001 Nortel Networks

All rights reserved. July 2001.

The information in this document is subject to change without notice. The statements, configurations, technical data, and recommendations in this document are believed to be accurate and reliable, but are presented without express or implied warranty. Users must take full responsibility for their applications of any products specified in this document. The information in this document is proprietary to Nortel Networks Inc.

The software described in this document is furnished under a license agreement and may be used only in accordance with the terms of that license. The software license agreement is included in this document.

## Trademarks

Nortel Networks, the Nortel Networks logo, the Globemark, Unified Networks, BayRS, and Passport are trademarks of Nortel Networks.

Adobe and Acrobat Reader are trademarks of Adobe Systems Incorporated.

HP and OpenView are trademarks of Hewlett-Packard Company.

IBM and AIX are trademarks of International Business Machines Corporation (IBM).

Microsoft, Windows, and Windows NT are trademarks of Microsoft Corporation.

NetView is a trademark of Tivoli Systems, Inc.

Solaris is a trademark of Sun Microsystems, Inc.

SPARCstation is a trademark of Sparc International, Inc.

UNIX is a trademark of X/Open Company Limited.

An asterisk after a name denotes a trademarked item.

## Restricted rights legend

Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

Notwithstanding any other license agreement that may pertain to, or accompany the delivery of, this computer software, the rights of the United States Government regarding its use, reproduction, and disclosure are as set forth in the Commercial Computer Software-Restricted Rights clause at FAR 52.227-19.

## Statement of conditions

In the interest of improving internal design, operational function, and/or reliability, Nortel Networks Inc. reserves the right to make changes to the products described in this document without notice.

Nortel Networks Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Portions of the code in this software product may be Copyright © 1988, Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms of such portions are permitted, provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that such portions of the software were developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from such portions of the software without specific prior written permission.

---

SUCH PORTIONS OF THE SOFTWARE ARE PROVIDED “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In addition, the program and information contained herein are licensed only pursuant to a license agreement that contains restrictions on use and disclosure (that may incorporate by reference certain limitations and notices imposed by third parties).

## Nortel Networks Inc. software license agreement

**NOTICE:** Please carefully read this license agreement before copying or using the accompanying software or installing the hardware unit with pre-enabled software (each of which is referred to as “Software” in this Agreement). BY COPYING OR USING THE SOFTWARE, YOU ACCEPT ALL OF THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT. THE TERMS EXPRESSED IN THIS AGREEMENT ARE THE ONLY TERMS UNDER WHICH NORTEL NETWORKS WILL PERMIT YOU TO USE THE SOFTWARE. If you do not accept these terms and conditions, return the product, unused and in the original shipping container, within 30 days of purchase to obtain a credit for the full purchase price.

**1. License grant.** Nortel Networks Inc. (“Nortel Networks”) grants the end user of the Software (“Licensee”) a personal, nonexclusive, nontransferable license: a) to use the Software either on a single computer or, if applicable, on a single authorized device identified by host ID, for which it was originally acquired; b) to copy the Software solely for backup purposes in support of authorized use of the Software; and c) to use and copy the associated user manual solely in support of authorized use of the Software by Licensee. This license applies to the Software only and does not extend to Nortel Networks Agent software or other Nortel Networks software products. Nortel Networks Agent software or other Nortel Networks software products are licensed for use under the terms of the applicable Nortel Networks Inc. Software License Agreement that accompanies such software and upon payment by the end user of the applicable license fees for such software.

**2. Restrictions on use; reservation of rights.** The Software and user manuals are protected under copyright laws. Nortel Networks and/or its licensors retain all title and ownership in both the Software and user manuals, including any revisions made by Nortel Networks or its licensors. The copyright notice must be reproduced and included with any copy of any portion of the Software or user manuals. Licensee may not modify, translate, decompile, disassemble, use for any competitive analysis, reverse engineer, distribute, or create derivative works from the Software or user manuals or any copy, in whole or in part. Except as expressly provided in this Agreement, Licensee may not copy or transfer the Software or user manuals, in whole or in part. The Software and user manuals embody Nortel Networks’ and its licensors’ confidential and proprietary intellectual property. Licensee shall not sublicense, assign, or otherwise disclose to any third party the Software, or any information about the operation, design, performance, or implementation of the Software and user manuals that is confidential to Nortel Networks and its licensors; however, Licensee may grant permission to its consultants, subcontractors, and agents to use the Software at Licensee’s facility, provided they have agreed to use the Software only in accordance with the terms of this license.

**3. Limited warranty.** Nortel Networks warrants each item of Software, as delivered by Nortel Networks and properly installed and operated on Nortel Networks hardware or other equipment it is originally licensed for, to function substantially as described in its accompanying user manual during its warranty period, which begins on the date Software is first shipped to Licensee. If any item of Software fails to so function during its warranty period, as the sole remedy Nortel Networks will at its discretion provide a suitable fix, patch, or workaround for the problem that may be included in a future Software release. Nortel Networks further warrants to Licensee that the media on which the Software is provided will be free from defects in materials and workmanship under normal use for a period of 90 days from the date Software is first shipped to Licensee. Nortel Networks will replace defective media at no charge if it is returned to Nortel Networks during the warranty period along with proof of the date of shipment. This warranty does not apply if the media has been damaged as a result of accident, misuse, or abuse. The Licensee assumes all responsibility for selection of the Software to achieve Licensee’s intended results and for the installation, use, and results obtained from the Software. Nortel Networks does not warrant a) that the functions contained in the software will meet the Licensee’s requirements, b) that the Software will operate in the hardware or software combinations that the Licensee may select, c) that the operation of the Software will be uninterrupted or error free, or d) that all defects in the operation of the Software

---

will be corrected. Nortel Networks is not obligated to remedy any Software defect that cannot be reproduced with the latest Software release. These warranties do not apply to the Software if it has been (i) altered, except by Nortel Networks or in accordance with its instructions; (ii) used in conjunction with another vendor's product, resulting in the defect; or (iii) damaged by improper environment, abuse, misuse, accident, or negligence. THE FOREGOING WARRANTIES AND LIMITATIONS ARE EXCLUSIVE REMEDIES AND ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Licensee is responsible for the security of its own data and information and for maintaining adequate procedures apart from the Software to reconstruct lost or altered files, data, or programs.

**4. Limitation of liability.** IN NO EVENT WILL NORTEL NETWORKS OR ITS LICENSORS BE LIABLE FOR ANY COST OF SUBSTITUTE PROCUREMENT; SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES; OR ANY DAMAGES RESULTING FROM INACCURATE OR LOST DATA OR LOSS OF USE OR PROFITS ARISING OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF THE SOFTWARE, EVEN IF NORTEL NETWORKS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL THE LIABILITY OF NORTEL NETWORKS RELATING TO THE SOFTWARE OR THIS AGREEMENT EXCEED THE PRICE PAID TO NORTEL NETWORKS FOR THE SOFTWARE LICENSE.

**5. Government licensees.** This provision applies to all Software and documentation acquired directly or indirectly by or on behalf of the United States Government. The Software and documentation are commercial products, licensed on the open market at market prices, and were developed entirely at private expense and without the use of any U.S. Government funds. The license to the U.S. Government is granted only with restricted rights, and use, duplication, or disclosure by the U.S. Government is subject to the restrictions set forth in subparagraph (c)(1) of the Commercial Computer Software—Restricted Rights clause of FAR 52.227-19 and the limitations set out in this license for civilian agencies, and subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause of DFARS 252.227-7013, for agencies of the Department of Defense or their successors, whichever is applicable.

**6. Use of software in the European Community.** This provision applies to all Software acquired for use within the European Community. If Licensee uses the Software within a country in the European Community, the Software Directive enacted by the Council of European Communities Directive dated 14 May, 1991, will apply to the examination of the Software to facilitate interoperability. Licensee agrees to notify Nortel Networks of any such intended examination of the Software and may procure support and assistance from Nortel Networks.

**7. Term and termination.** This license is effective until terminated; however, all of the restrictions with respect to Nortel Networks' copyright in the Software and user manuals will cease being effective at the date of expiration of the Nortel Networks copyright; those restrictions relating to use and disclosure of Nortel Networks' confidential information shall continue in effect. Licensee may terminate this license at any time. The license will automatically terminate if Licensee fails to comply with any of the terms and conditions of the license. Upon termination for any reason, Licensee will immediately destroy or return to Nortel Networks the Software, user manuals, and all copies. Nortel Networks is not liable to Licensee for damages in any form solely by reason of the termination of this license.

**8. Export and re-export.** Licensee agrees not to export, directly or indirectly, the Software or related technical data or information without first obtaining any required export licenses or other governmental approvals. Without limiting the foregoing, Licensee, on behalf of itself and its subsidiaries and affiliates, agrees that it will not, without first obtaining all export licenses and approvals required by the U.S. Government: (i) export, re-export, transfer, or divert any such Software or technical data, or any direct product thereof, to any country to which such exports or re-exports are restricted or embargoed under United States export control laws and regulations, or to any national or resident of such restricted or embargoed countries; or (ii) provide the Software or related technical data or information to any military end user or for any military end use, including the design, development, or production of any chemical, nuclear, or biological weapons.

**9. General.** If any provision of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, the remainder of the provisions of this Agreement shall remain in full force and effect. This Agreement will be governed by the laws of the state of California.

Should you have any questions concerning this Agreement, contact Nortel Networks Inc., 2375 N. Glenville Dr., Richardson, TX 75082.

---

LICENSEE ACKNOWLEDGES THAT LICENSEE HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. LICENSEE FURTHER AGREES THAT THIS AGREEMENT IS THE ENTIRE AND EXCLUSIVE AGREEMENT BETWEEN NORTEL NETWORKS AND LICENSEE, WHICH SUPERSEDES ALL PRIOR ORAL AND WRITTEN AGREEMENTS AND COMMUNICATIONS BETWEEN THE PARTIES PERTAINING TO THE SUBJECT MATTER OF THIS AGREEMENT. NO DIFFERENT OR ADDITIONAL TERMS WILL BE ENFORCEABLE AGAINST NORTEL NETWORKS UNLESS NORTEL NETWORKS GIVES ITS EXPRESS WRITTEN CONSENT, INCLUDING AN EXPRESS WAIVER OF THE TERMS OF THIS AGREEMENT.



# Contents

## Preface

Hard-Copy Technical Manuals .....	ix
How to Get Help .....	ix

## Release Notes for Site Manager Software Version 15.0.0.0

Site Manager and BayRS Compatibility .....	1
Site Manager System Requirements .....	2
PC Requirements .....	2
IBM/AIX Requirements .....	3
HP 9000 Requirements .....	3
SPARCstation Requirements .....	4
Maximum Number of Well-Known Connections .....	4
General Guidelines for Version 15.0.0.0 .....	5
Installing Site Manager on Windows NT .....	5
Socket Binding Messages with UNIX Network Management Systems .....	5
Hi/fn Compression .....	5
X Resource File .....	6
Color Compatibility Issue .....	6
Managing Boot Image Size using Image Builder .....	7
Essential Executable Files - Do Not Remove .....	7
Removable Drivers and the Affected Modules .....	8
Removable Executable Files and the Affected Protocols/Applications .....	9
Operating Limitations and Cautions .....	10
DES-40 and DES-56 WEP No Longer Available .....	10
SunOS 4.1.4 Support Discontinued for Site Manager .....	10
Events Manager Does Not Display Repeated Headers .....	11
TFTP - Router Files Manager Limitations .....	11
Statistics Manager .....	11





Site Manager Version 15.0.0.0 is a software release that includes bug fixes and new features added since Site Manager Version 14.20. These release notes contain guidelines for using Site Manager Version 15.0.0.0.

## Hard-Copy Technical Manuals

You can print selected technical manuals and release notes free, directly from the Internet. Go to the [www.nortelnetworks.com/documentation](http://www.nortelnetworks.com/documentation) URL. Find the product for which you need documentation. Then locate the specific category and model or version for your hardware or software product. Use Adobe\* Acrobat Reader\* to open the manuals and release notes, search for the sections you need, and print them on most standard printers. Go to Adobe Systems at [www.adobe.com](http://www.adobe.com) to download a free copy of Acrobat Reader.

You can purchase selected documentation sets, CDs, and technical publications through the Internet at the [www1.fatbrain.com/documentation/nortel/](http://www1.fatbrain.com/documentation/nortel/) URL.

## How to Get Help

If you purchased a service contract for your Nortel Networks\* product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel Networks service program, contact one of the following Nortel Networks Technical Solutions Centers:

Technical Solutions Center	Telephone
Europe, Middle East, and Africa	(33) (4) 92-966-968
North America	(800) 2LANWAN or (800) 252-6926
Asia Pacific	(61) (2) 9927-8800
China	(800) 810-5000

An Express Routing Code (ERC) is available for many Nortel Networks products and services. When you use an ERC, your call is routed to a technical support person who specializes in supporting that product or service. To locate an ERC for your product or service, go to the [www12.nortelnetworks.com/](http://www12.nortelnetworks.com/) URL and click ERC at the bottom of the page.

---

# Release Notes for Site Manager Software Version 15.0.0.0

These release notes include information about the following topics:

Topic	Page
Site Manager and BayRS Compatibility	1
Site Manager System Requirements	2
General Guidelines for Version 15.0.0.0	5

## Site Manager and BayRS Compatibility

Starting with BayRS\* Version 14.00, the Site Manager software version number matches that of BayRS. For example, the version of Site Manager that ships with BayRS Version 15.0.0.0 is Site Manager Version 15.0.0.0. We have made this change to help you align versions of Site Manager with versions of BayRS.

Site Manager Version 15.0.0.0 supports two previous BayRS major releases: BayRS Version 13.x and BayRS Version 14.x.

## Site Manager System Requirements

See the section that applies to your PC or UNIX\* workstation.

### PC Requirements

Site Manager for the PC requires the following hardware and software:

- 486 PC (Pentium\* recommended)
- Microsoft\* Windows NT\* Version 4.0, Windows\* 98, or Windows 2000
- Microsoft TCP/IP protocol stack provided with Windows and a compatible network adapter and driver
- 32 MB of RAM (64 MB or more recommended)
- 95 MB of free disk space
- CD-ROM drive
- VGA monitor (SuperVGA monitor recommended)

If you purchased a computer with Windows NT Version 4.0, Windows 98, or Windows 2000 and have a network adapter installed, you most likely have the correct TCP/IP protocol stack, network adapter, and driver. Proceed to “Testing TCP/IP” in Chapter 8 of *Quick-Starting Routers*.

To add or update a protocol, network adapter, or driver, see the appropriate documentation and support from Microsoft and the adapter manufacturer. You add protocols and driver updates from the Network option of the Control Panel. You add new network adapters and their drivers from the Add New Hardware option of the Control Panel.

Windows NT Version 4.0, Windows 98, or Windows 2000 attempt to match a driver to the network adapter installed on your computer. If your operating system cannot find a compatible driver, you must update the driver. Contact the adapter manufacturer for the latest drivers. Microsoft and other Windows and NT Web sites might also have updated drivers.

See the Resource Kit that came with your version of Windows for additional technical information about these issues. A copy of this guide is available from Microsoft Press.

## IBM/AIX Requirements

To run Site Manager, your IBM workstation requires the following hardware and software:

- Supported workstations:
  - IBM\* RS/6000 340, 370
  - PowerPC
- Supported operating system: IBM AIX Versions 4.3
- Window environments:
  - CDE 1.0.1
  - AIX Motif 1.2
- 32 MB of RAM (64 MB or more recommended)
- 140 MB of disk space
- 32 MB of swap space (64 MB recommended; with NetView\* for AIX\*, 96 MB of swap space is required)
- Network adapter appropriate for your network
- CD-ROM drive

## HP 9000 Requirements

To run Site Manager, your HP\* 9000 requires the following hardware and software:

- Supported workstations: HP 9000 Series 700 or 800
- Supported operating system: HP-UX 11.0, including the complete services (network services) directory
- Windows environment: CDE 1.0.1
- 32 MB of RAM (64 MB or more recommended)
- 95 MB of disk space
- 32 MB of swap space (64 MB recommended)
- Network adapter appropriate for your network
- CD-ROM drive

## SPARCstation Requirements

To run Site Manager, your SPARCstation\* requires the following hardware and software:

- Supported workstations:
  - SPARCstations 10 or 20
  - UltraSPARC
- Supported operating systems:
  - Solaris\* 2.6 and 2.7



**Note:** Site Manager Version 15.0.0.0 does not include SunOS support.

---

- Window environment:
  - CDE 1.0.1
  - OpenWindows 3.5
- 32 MB of RAM (64 MB or more recommended)
- 145 MB of disk space
- 32 MB of swap space
- Network adapter appropriate for your network
- CD-ROM drive

## Maximum Number of Well-Known Connections

Site Manager supports up to 500 well-known connections.



**Caution:** Do not add more than the maximum number of connections.

---

## General Guidelines for Version 15.0.0.0

Follow these guidelines when you use Site Manager Version 15.0.0.0.

### Installing Site Manager on Windows NT

The Windows NT platform supports Site Manager Version 15.0.0.0 software. The procedures for installing Site Manager on Windows NT, Windows 98, and Windows 2000 are essentially the same. However, if the TCP/IP services file is not in the default directory (C:\WINNT\system32\drivers\etc), the installation script prompts for the location of the directory.

For information about installing Site Manager software on Windows NT, see *Quick-Starting Routers* or *BayRS and Site Manager Software Installation*.

### Socket Binding Messages with UNIX Network Management Systems

UNIX network management systems such as OpenView\* or SunNet Manager might prevent Site Manager from binding to the SNMP sockets. As a result, the Trap Manager fails to operate and issues the following messages:

wftraps: : Unable to bind udp/snmp sockets. (C3501)

wftraps: : Permission to bind a socket is denied. Verify that the application is owned by “root”, and that the permissions have been configured to set the effective user id to that of the owner of the file when the file is run. If the permissions are correct, another process may have already bound to the udp ports. (C3501)

To solve this problem, close the network management system and its processes by terminating their process IDs, and then start Site Manager from the command line.

### Hi/fn Compression

If you have purchased the Hi/fn Compression CD for BayRS 15.0.0.0, you must install the Hi/fn executable into the BayRS 15.0.0.0 router kernel using Image Builder. To install Hi/fn, follow the instructions in the CD insert.



**Note:** Hi/fn Compression is available on all platforms, *except* the Passport\* 2430 and Passport 5430.

---

## X Resource File

We strongly recommend that you use the WFSM\_INSTALL script to install Site Manager Version 15.0.0.0 on UNIX systems. The script installs the X resource file, XSiteMgr, into the windowing directory. If you do not run the script successfully, Site Manager might not run correctly.

If you choose to install Site Manager manually, without running the WFSM\_INSTALL script, you must copy the XSiteMgr file from the Site Manager config directory to one of the following locations:

- \$HOME
- \$HOME/app-defaults
- /usr/x11/lib/app-defaults
- /usr/openwin/lib/app-defaults

If you are running Site Manager Version 15.0.0.0, and are also running earlier versions of Site Manager at the same time, you will see both the new XSiteMgr file and the previous version of the X resource file, XJam, in the windowing directory.

## Color Compatibility Issue

If you are running Site Manager Version 15.0.0.0 on the HP-UX 11.0 platform, you might not be able to see all of the values options for parameters, because the colors do not display correctly on the screen.

Make sure that you are using the X resource file XSiteMgr (see the preceding section, “X Resource File”). You must also set the environment variable XUSERFILESEARCHPATH to **/usr/lib/X11/app-defaults/%N**. For example, if you are using the C shell, enter the following command:

**setenv XUSERFILESEARCHPATH /usr/lib/X11/app-defaults/%N**



## Managing Boot Image Size using Image Builder

This section identifies the executable files and drivers that you might safely remove from your router's boot image using Site Manager's Image Builder tool to reduce its size. This section also lists the executable files that are essential to Site Manager and should never be removed. If you have any questions regarding the implications of removing any executable file, do not remove the file.

For more information about Image Builder, see Chapter 6, "Customizing Router Software Images," in *Configuring and Managing Routers with Site Manager*.



**Note:** The image contains all executable files for the current router software. Most executable files have an extension of .exe. The exceptions are protocol files on the ATM Routing Engine (ARE) slots, which use the extension .ppc. The .ppc files are equivalent to .exe files. For example, instead of using ip.exe on an ARE slot, the router uses ip.ppc. The .ppb extension is associated with the FRE4 module.

### Essential Executable Files - Do Not Remove

The following tables lists the executable files that are essential to the operation of Site Manager and should never be removed using Image Builder.

Essential Executable Files
arp.exe (.ppc)
debug.exe (.ppc)
ip.exe (.ppc)
lm.exe (.ppc)
pcap.exe (.ppc)
ping.exe (.ppc)
rarp.exe (.ppc)
run.exe (.ppc)
sh_csmac.exe (.ppc)
sh_fr.exe (.ppc)
sh_ip.exe (.ppc)
sh_snmp.exe (.ppc)

(continued)

<b>Essential Executable Files</b>
sh_sync.exe (.ppc)
sh_tcp.exe (.ppc)
sh_tftp.exe (.ppc)
tcp.exe (.ppc)

## Removable Drivers and the Affected Modules

The following tables lists the drivers that you can remove using Image Builder as long as you are not using the associated module that would be affected.

<b>Driver</b>	<b>Affected Module</b>
de100.exe	100M Ethernet Link Module
ds2180.exe	mk2180 Dual Sync Interface
ds2181.exe	mk2181 Dual Sync Interface
dsde2.exe	Dual Sync/Ethernet 2 Interface
dst.exe	Dual Sync Token Link Module
dtok.exe	Dual Token Ring Link Module
e1.exe	E1 Link Module
enet2.exe	Ethernet 2 Link Module
fddi.exe	FDDI Link Module
fmpb.exe	Quad Token Link Module
fsi.exe	FDDI SMT
hdwanlm.exe	Octal Sync Link Module
hfsi.exe	HSSI SMT
hssi.exe	HSSI Link Module
hwcomp.exe	Hardware Compressor
hwf.exe	Hardware Filter
ilacc.exe	ILACC Ethernet Interface
lanle.exe	LANCE Ethernet Interface
mct1e1.exe	Multi-Channel T1E1 Link Module
munich.exe	Munich Multi-Channel T1E1 Interface

*(continued)*

Driver	Affected Module
nsc_100m.exe	100M Ethernet
qenet.exe	Quad Ethernet Link Module
qsync.exe	Quad Sync Link Module
quicsync.exe	Quicc Sync Module
tms380.exe	TMS380 Token Ring Interface
gig_enet.ppb	Gigabit Ethernet Link Module
seeq_100m.ppb	100Mb Ethernet Line
sgig.ppb	Gigabit Ethernet Link Module
sqe100.ppb	4x100Mb Ethernet Link Module
atmalc.exe	ATM Link Module Line

## Removable Executable Files and the Affected Protocols/Applications

The following table lists the executable files that you can remove and the associated application that would be affected.

Executable	Affected Protocol/Module
hdlc.exe	PPP, wfStandard
igmp.exe (.ppc)	PIM, DVMRP, MOSPF
ike.exe (.ppc)	Internet Key Exchange for IPSec
ip6.exe (.ppc)	RIP6
lapb.exe (.ppc)	X.25, IPEX
dns.exe (.ppc)	DNS protocol
nat.exe (.ppc)	NAT protocol
nbase.exe (.ppc)	APPN/SDLC Support
mct1cop.exe	MCT1, MCE1
hdwancop.exe	Hardware compression
ppp.exe (.ppc)	Dial Services, PPP
tag1q.exe (.ppc)	VLAN Tagging (802.1q)
treectl.exe (.ppc)	HTTP
wan.exe (.ppc)	ATM DXI, SMDS

(continued)

Executable	Affected Protocol/Module
rmonstat.exe (.ppb) (.ppc)	RMON Probe
vcct.exe (.ppb) (.ppc)	DLSw, APPN
llc.exe (.ppb) (.ppc)	DLSw, APPN
sdlc.exe (.ppc)	DLSw, APPN
X.25.exe (.ppc)	IPEX, X.25
atm_le.exe (.ppc)	ATM (Lane)
atmsig.exe (.ppc)	ATM (UNI Signaling)
copsc.exe (.ppc)	COPS
crm.exe (.ppb) (.ppc)	RSVP, QOSPF
raesa.exe (.ppc)	RMON
atmalcop.exe	ATM

## Operating Limitations and Cautions

Be aware of the following Site Manager limitations and cautions when using BayRS 15.0.0.0.

### DES-40 and DES-56 WEP No Longer Available

DES-40 WAN Encryption Option (WEP) or DES-56 WEP are no longer available on any BayRS platform. However, BayRS will support backward compatibility with earlier versions of BayRS that are currently running WEP.

### SunOS 4.1.4 Support Discontinued for Site Manager

Site Manager Version 15.0.0.0 does not operate with SunOS, but will continue to work with Solaris and other supported operating systems.

## **Events Manager Does Not Display Repeated Headers**

The Events Manager in Site Manager does not display the event message header more than once for consecutive events with identical headers. In other words, if the router issues five event messages in a row that have exactly the same header (except for Event Code), the Events Manager displays the header just once, then lists the five messages under that header. This is intentional functionality, meant to save space on the screen display.

The value for the number of records that the Events Manager reports specifies the number of total records and therefore might be greater than the highest event number in the display box.

## **TFTP - Router Files Manager Limitations**

Site Manager has a TFTP file transfer limitation of 64 files. Attempts to TFTP more than 64 files using the File Manager Get option do not complete successfully. Also, Site Manager does not provide an error message indicating the failure to transfer all files to the destination directory.

## **Statistics Manager**

When you are using the Statistics Manager Screen Builder tool on Solaris 2.7 or greater, the text on the Column buttons (1 through 9) disappears and the buttons turn white when you click on them. However, after you click on another non-column button, the text reappears.

