Vanguard Applications Ware
Release 6.2 Service Pak 1 (6.2.S100)

Advisory Notice

Introduction

This notice contains information on software improvements and changes made by the Vanguard Applications Ware Release 6.2.R000 Service Pak 6.2.S100.

This notice supplements the *Vanguard Applications Ware Release 6.2.R000 Software Release Notice* (Part Number T0001-43).

Bootprom and Custom Images

Bootprom and Custom images can be downloaded using Vanguide.

Upgrade Bootprom Using Vanguide and Install Service Pak Executable File

Follow these steps to upgrade the Vanguard V340 and V342 bootprom using Vanguide, and install the Release 6.2.R000 Service Pak 6.2.S100 patch executable file:

Vanguide Instructions

Step	Action
1	If you have not already done so, install Vanguard Software Builder from any Vanguide Release 6.2.R000 CD-ROM (Part Number 72608-31 A).
2	Download the V62S100.ZIP file from Vanguard Managed Solutions, please save the file to a local drive on your computer.
3	Use WinZip® to extract the ZIP file. The V62S100.ZIP file contains the V62S100.EXE, bootprom_v340_cldr.xrc, bootprom_2lan_v340_cldr.xrc file, and a copy of this advisory notice in PDF format.
4	Use the Vanguard Terminal via COM port to download the *.xrc file for a selected platform bootprom upgrade: **Platform** **Bootprom Version** **Filename** V340 1.1.1 bootprom_v340_cldr.xrc V342 2.1.1 bootprom_2lan_v340_cldr.xrc

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Vanguide Instructions

Step	Action
5	Run or open the V62S100.EXE executable file from your local drive.
6	The patch executable file prompts you with installation instructions. Insert the Vanguide 6.2.R000 CD-ROM into the CD-ROM drive and select its drive letter. Follow the installation instructions provided by the installer.

■**Note**

For more detailed patch installation instructions, refer to the *Vanguard Software Builder Manual* (Part Number T0030).

Build an Image

After you install the Service Pak executable file, you must build a custom release and load the custom image. This table provides general instructions for these procedures:

Step	Action
1	Using Vanguard Software Builder, build a custom Release 6.2.R000 Service Pak image by selecting the appropriate Service Pak (6.2.S100 for example) from the **Release** drop-down menu. Select features or options that you want to include in the image.
2	Load the custom image using the Vanguard Software Loader.

■**Note**

For detailed instructions on building a software image and using the Vanguard Software Loader, see the *Vanguard Software Builder Manual* (Part Number T0030) and the *Vanguard Software Loader Manual* (Part Number T0057).

Viewing Alarms and Reports

Alarms and Reports appear in the CTP or in your network management system. For explanations of Vanguard alarms and fatal error reports (FERs), see the *Vanguard Alarms and Reports Manual* (Part Number T0005).

Service Pak 6.2.S100 Change Requests and Software Improvements

Overview

The table below lists change requests and software improvements. Change requests reported to Customer Service have an assigned change request number, and, in most cases, interim patches are released to fix the problems. These change requests and software improvements are incorporated into the Vanguard Applications Ware Release 6.2.R000 Service Pak 1 (6.2.S100), and, where applicable, interim patch releases have been replaced by the Release 6.2.R000 Service Pak 6.2.S100:

■**Note**

The Change Request Number and Limitation Number are numbers assigned by Vanguard Managed Solutions and are used exclusively for tracking purposes.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.2 Service Pak 6.2.S100	Problem or Enhancement Description
N/A	DRCaa23086	6.0.sR00B	N/A	All Vanguards - Drop Reason 5 does not appear in the Voice Call Statistics.
N/A N/A N/A N/A N/A N/A N/A	DRCaa23373 DRFaa18232 DRFaa19138 DRFaa20445 DRFaa20516 DRFaa21118 DRFaa21119	6.2.iR00L 5.4.iP0LS 6.0.iR00O 6.1.iR00J 6.1.iR00O 6.2.iR00P 6.2.iR00P	N/A N/A N/A N/A N/A N/A N/A	All Vanguards - H.323 voice incompatibility between software release 6.2 and greater 6.0.S100 and 6.1.S100 builds. The call fails when ALL of the following are true: 1. Each non-H.323 voice port is configured for a different coder. 2. Each non-H.323 voice port has a different VAD setting (one enabled and one disabled).
N/A	DRCaa23435	6.2.iR00W	N/A	Vanguard 6455 100BaseT driver via code inspection issues (related to auto-negotiation and duplex). Port Operating Mode can be AUTO, 100FD, 100HD, 10FD, 10HD.
N/A	DRCaa23449	6.2.R000	N/A	Vanguard 6455 node identification information and the date and timestamp scroll off page one of the Detailed Node Statistics screen.
N/A	DRCaa23452	6.2.R000	N/A	Vanguard 6400 Series node crash while running RADIUS Voice Accounting with H.323 voice calls. Fatal Error Report Fault: Data TLB Miss Exception Encountered.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.2 Service Pak 6.2.S100	Problem or Enhancement Description (continued)
N/A	DRCaa23462	6.2.R000	N/A	All Vanguards - Call Detail Records (CDR) should not be generated for Central Voice Switching table lookup.
N/A	DRCaa23463	6.2.R000	N/A	All Vanguards - H.323 Voice calls initiated from voice ports are creating double CDR's. When called from a Release 6.0 or later node, a H.323 port should not generate a CDR.
N/A	DRCaa23469	6.2.R000	N/A	Vanguard 7300 Series, when you enter 7.1.2001 and enter "y" at the prompt, the CTP locks up.
N/A	DRFaa15434	5.5.Si00B	N/A	Vanguard 6455, 100BaseT Half Duplex is detected as 100BaseT Full Duplex.
N/A	DRFaa19840	6.0.R00A	N/A	Vanguard 320/6455- MLPPP based backup does not work properly with one dedicated link and one switched link.
N/A	DRFaa20928	6.2.iR00J	N/A	Cannot load an image into a Vanguard 340 2nd LAN Port using TFTP.
N/A	DRFaa21154	6.2.iR00P	N/A	Vanguard 342 Port 8 statistics RX FCS and RX Alignment Errors do not display.
N/A	DRFaa21313	6.2.iR00U	N/A	All Vanguards - Port 5 statistics do not display RX Short Frames correct value.
N/A	DRFaa21315	6.2.iR00U	N/A	All Vanguards - Ethernet Port 5 RX Error Condition Alarms do not go back to NORMAL from Excessive.
N/A	DRFaa21333	6.2.iR00U	N/A	All Vanguards - RADIUS: Added page break to user configuration log. Aligned help text for Radius client configuration.
N/A	DRFaa21404	6.2.iR00X	N/A	Vanguard 340/342 does not display a warning that flash does not contain a valid image after a force coldload, when booting the node (warm or cold).
N/A	DRFaa21415	6.2.iR00X	N/A	All Vanguards - RADIUS: When using HTTPD some privilege level users CTP menu's do not match the local CTP menu.
N/A	DRFaa21434	6.2.iR00W	N/A	All Vanguards - SNABSC required two LU boots to add a record.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.2 Service Pak 6.2.S100	Problem or Enhancement Description *(continued)*
N/A	DRFaa21447	6.2.R000	N/A	Vanguard 320 boot menu should not display Node (cold from alternate bank). It does not have an alternate bank.
N/A	DRFaa21467	6.2.R000	N/A	All Vanguards - DHCP: When selecting the DHCP client feature in a LAN based protocol, IP must also be selected or DHCP fails to create an image.
N/A	DRFaa21554	6.2.R000	N/A	Vanguard 6455 ATM link statistics are incorrect when more than 255 stations are configured.
N/A	DRFaa21558	6.2.R000	N/A	All Vanguards - Allocated area used for collecting SNABSC statistical information does not clear and memory errors occur.
N/A N/A N/A	DRFaa21639 DRFaa21674 DRFaa21683	6.2.iS10A 6.2.iS10A 6.2.iS10A	N/A N/A N/A	Vanguard 7300 Series TFTP image load failure. Default value was not updated. Nodes could not pass data and packet buffers were exhausted.
N/A	DRFaa21643	6.2.iS10A	N/A	Vanguard 6455 crashed when using a 10/100 EDC card and loading opt15.
N/A	DRFaa21681	6.2.iS10A	N/A	Vanguard 6455 crashed when configuring T1/PRI -ISDN node.
N/A	DRFaa21682	6.2.R000	N/A	Vanguard 6455 The "Additional Voice Switching Feature" (= H323_use_ interface_ip_address) does not work if the voice switch table is a Centralize Voice Switch Table
N/A	DRFaa21702	6.2.iS10A	N/A	When configuring FR PRI /T1 as LBU on a Vanguard 7300 the node can hangup or crash.
N/A	DRFaa21718	6.2.iS10A	N/A	Vanguard 6455 MLPPP backup requires an extra profile to be configured when using both dedicated and switched links.
N/A	DRFaa21723	6.2.iS10B	N/A	Vanguard 320 - When TFTP transfer is completed the message displays as "TFTP in Progress", "CANNOT WRITE TO FLASH MEMORY, 320".

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.2 Service Pak 6.2.S100	Problem or Enhancement Description *(continued)*
11025	DRFaa18318	5.6.t02a	5.6.P22A	Vanguard 6400 Series - ATM machines attached to a 6455 PAD port generate a call including a CUD field with hexadecimal characters, 00 up to FF. If these characters are not alphanumeric characters (example: ESC or DLE) the PAD port does not transmit them in the call setup.
11036	DRFaa18368	5.6.T01A	N/A	Vanguard 6400 Series intermittent audio distortion on voice calls.
11348	DRFaa19603	5.5.s200	5.6.T47B	Vanguard 6400 Series, If the primary WAN is down you cannot access the CTP by telnet when using PBR.
11625	DRFaa20361	6.0.S100	6.0.T1ZA	Vanguard 340 receiving alarms: "HIGH PRESERVING DBUFFER INTEGRITY."
11808	DRFaa21021	6.0.T16C	6.0.T16F	Vanguard 340 power resets after alarms occur: memory allocation and nat_dbg events.
11812	DRFaa21038	6.1.R000	6.1.T16A	Vanguard 6400 Series ATM was not designed to support compression in PVC connections to LCONs. Added compression support for AAM stations connecting via PVC to LCON stations.
11846	DRFaa21121	6.1.T02A	N/A	Vanguard 7300 Series unable to change ratio of D buffers and packet buffers (IORBs) through debug.
11853	DRFaa21295	6.0.R00A	N/A	Vanguard 6400 Series node boot required when changing PPP port's connection type to "DIMOat".
11855	DRFaa21151	6.1.R000	6.1.T15A	Vanguard 7300 Series priority in route table was not working properly for FRST (ATM).
11897 11948	DRFaa21272 DRFaa21419	6.0.R00A 5.6.T4FF	6.0.T10A 5.6.T4FH	Vanguard 6400 Series data buffers are incrementing, node boot is necessary to clear data buffers.
11901	DRFaa21471	6.0.S100	5.5.T53D	Vanguard 6400 Series MLPPP over PRI to PRI fails to connect, "No profile Available" is reported.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.2 Service Pak 6.2.S100	Problem or Enhancement Description (continued)
11927 12022	DRFaa21359 DRFaa21642	5.6.T16E 6.1.R000	5.6.T16F N/A	Vanguard 6400 Series fatal error report: "Fault Data TLB Miss Exception" error.
11936	DRFaa21375	6.1.S100	6.1.T18A	Vanguard 6400 Series fatal error report: "FAULT: Program Exception Encountered".
11960	DRFaa21444	6.1.S100	6.1.T17A	Vanguard 6400 Series E1 Qsig Replace Cause Value does not work for an interworking call.
11970	DRFaa21463	6.1.R000	N/A	Vanguard 6400 Series - When running ISDN D-Channel data with release 6.1 and 6.2 software, the data does not pass.
12001	DRFaa21585	6.2.R000	N/A	Vanguard 6400 Series - SNMP MIB agent corrupts (incorrect MIB value).
12010	DRFaa21602	6.0.T1SA	N/A	Vanguard 6400 Series - FRI port configuration: Range and Default do not match for DSU Daughtercard.
12035	DRFaa21673	6.2.R000	N/A	Vanguard 6400 Series - Cannot use the V.90 daughtercard for Bandwidth on Demand applications.
12100	DRFaa21709	6.2.R000	N/A	All Vanguards - Passwords can get defaulted when upgrading to release 6.2.
12209	N/A	6.3.iR00E	N/A	Vanguard 6455 Cannot gain CTP access via a Xyplex terminal server.