Vanguard Applications Ware
Release 6.0 Service Pak 1 (6.0.S100)
Advisory Notice

Introduction

This notice contains information on software improvements and changes made by the Vanguard Applications Ware Release 6.0.R00A Service Pak 6.0.S100.

This notice supplements the *Vanguard Applications Ware Release 6.0R00A Software Release Notice* (Part Number T0001-41).

Install the Service Pak Executable File

Follow these steps to install the Release 6.0.R00A Service Pak 6.0.S100 patch executable file:

Step	Action
1	If you have not already done so, install Vanguard Software Builder from any Vanguide Release 6.0.R00A CD-ROM (Part Number 72608-29 A).
2	Download the V60S100.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 V60S100.ZIP file contains the V60S100.EXE file and a copy of this advisory notice in PDF format.
4	Run or open the V60S100.EXE executable file from your local drive.
5	The patch executable file prompts you with installation instructions. Insert the Vanguide 6.0.R00A 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).

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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 6.0.R00A Service Pak image by selecting the appropriate Service Pak (6.0.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 6.0.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 6.0.R00A Service Pak 1 (6.0.S100), and, where applicable, interim patch releases have been replaced by the Release 6.0.R00A Service Pak 6.0.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 6.0 Service Pak 6.0.S100	Problem or Enhancement Description
N/A	DRFaa19591	6.0.vR00W	6.0.T02A	Vanguard SNA BSC-to-2780 requires Flow Control implemented to limit the number of Packet References that can be saved.
N/A	DRFaa19694	6.0.iR00Z	N/A	When multiple 3270 devices share the same BSC3270 TPAD port configured for CESS3, only one device will come up.
N/A	DRFaa19791	6.0.R000	6.0.P02A	After exceeding the minimum static route table size Vanguard 6455 BGP-4 sessions are lost.
N/A	DRFaa19839	6.0.R00A	N/A	Automated log on in NetView will not operate after losing SVC.
N/A	DRCaa22464	5.4.P0JC	N/A	Vanguard 7300 X.25 frame concatenation is out of sequence.
N/A	DRCaa22754	6.0.iR00A	N/A	Vanguard Central Voice Switching (CVS) Table entry numbers appear incorrect in statistics if blank entries exist.
N/A	DRCaa22964	6.0.iR00T	N/A	Vanguard 6455 port 71 - port boot failure error comes up after warm boot or cold boot.
N/A	DRCaa23026	6.0.iS10B	N/A	A Vanguard 7300 with a T1/E1 card and DSPM daughtercard may see DSP crashes with certain configurations if the voice calls are disconnected.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.0 Service Pak 6.0.S100	Problem or Enhancement Description (continued)
N/A	DRCaa23031	6.0.sR00W	N/A	Vanguard 6435/6455, 340 - Quad FXS board failure occurs after a Local Voice Port Loopback Test.
N/A	DRCaa23042	6.0.iR00X	N/A	Vanguard 6435/6455, 340 - Quad FXS/ FXO G.711 Coder Type does not appear under voice port statistics.
N/A	DRCaa23066	6.0.iR00Y	N/A	Vanguard 6435/6455, 340 - Quad FXS/ FXO hardware revision information does not appear under voice port statistics.
N/A	DRCaa23067	6.1iR00D	N/A	When a Vanguard 6455 is defaulted with an ISDN data card in slot 1 the node comes up and has alarms in the event log regarding ports 51-53. These port numbers are for the Quad FXS/FXO card.
N/A	DRCaa23095	5.4.P0LH	N/A	TX lockups occur when using a Vanguard 7300 Ethernet PMC on a Carrier Card.
N/A	DRCaa23102	6.0.tR00E	N/A	Vanguard 6435/6455, 340 - The input and output levels under the Quad FXO voice port statistics are not correct.
N/A	DRCaa23103	6.0.tR00E	N/A	Vanguard 6435/6455, 340 - Voice Test Tone on the Quad FXO is not sending the correct input and output levels to the destinations.
N/A	DRCaa23107	6.0.sR00E	N/A	Vanguard 6435/6455, 340 - Quad FXO Rx Ring State Change Filter does not have the ability to adjust the ring detect threshold.
N/A	DRCaa23122	6.0.R000	N/A	When all four ports of a Quad FXO card are configured, in slot 2 of a Vanguard 340 node, ports 62-64 will not come up in the correct Power On state (IDLE_UNCON).
N/A	DRCaa23140	6.0.R000	N/A	Vanguard 6455 aggregated cache is limited to five entries when Access Control is enabled.
N/A	DRCaa23154	6.0.R000	6.0.T01A	Vanguard 7300 continually crashes with very large ATM and Frame Relay configurations.
N/A	DRFaa18297	5.4.P0LA	N/A	Vanguard 7300 Series Frame Relay Port Statistics incorrectly reported FECN's out.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.0 Service Pak 6.0.S100	Problem or Enhancement Description (continued)
10761	DRFaa17468	5.5.S200	N/A	Rebooting a Vanguard 6435 interrupts traffic on the Local Area Network.
11088	DRFaa18580	5.6.R000	N/A	The internal IP address information is not available in the *ipAddress Table* and the *interface Table* of the MIB2 agent.
11121	DRFaa18638	5.6.T16A	5.6.T2GB	When the PBX sends a RESTART packet, the Vanguard 6455 does not respond with RESTART ACKNOWLEDGE packet.
11148	DRFaa18947	5.6.R000	5.6.T08A	Vanguard 6400 Series PRI backup fails if a voice call is received.
11214	DRFaa19655	5.6.S200	5.6.T2GC	Not more than five voice calls can be made from a Vanguard 6560 DSPSM to a Vanguard 6560 HDSM running QSIG.
11216	DRFaa19014	5.6.S200	5.6.T41A	Bridge entries are prematurely aging out when the aging timer is set to its maximum value.
11240	DRFaa19129	5.6.S200	N/A	Vanguard 6435/6455 10/100 Base-T daughtercard does not distinguish if the Ethernet interface is running 10 or 100 Mb in the statistics.
11263	DRFaa19208	5.6.T16D	5.6.T2GC	Vanguard 6560 voice mail is not working properly.
11296	DRFaa19415	5.6.T17A	N/A	Voice calls are not forwarded to the Route Selection Table properly when the Voice Broadcast Table has two leading zero's in the Node Address. Vanguard 6400 Series.
11311	DRFaa19393	5.6.T16D	5.6.T44B	Vanguard 6400 Series node crashes with a Software Emulation Exception Encountered error.
11325	DRFaa19467	5.5.T26B	5.6.T26C	Vanguard 6400 reporting incorrect route aging statistics.
11335 N/A	DRFaa19744 DRCaa23110	5.4.P0LF 5.4.P0LJ	5.4.P0LJ N/A	Vanguard 7300 Series frame relay ports and stations intermittently lock up and require a node boot to reactivate the port.
11350	DRFaa19664	5.6.S200	N/A	Vanguard 6455 virtual TBOP has CRC errors when running channelized data.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.0 Service Pak 6.0.S100	Problem or Enhancement Description *(continued)*
11356	DRFaa19620	5.6.S200	5.6.T49A	Vanguard 6400 Series SoTCP and TCP sessions are not cleared if the connection is incomplete.
11364	DRFaa19641	5.6.T2JA	5.6.T44B	Vanguard 6400 Series nodes are generating PRESERVING DBUFFER INTEGRITY alarms.
11375	DRFaa19672	5.6.T16A	5.6.T44A	Vanguard 6400 Series Supplementary Services is not working properly, the calling party's user name is not being displayed.
11379	DRFaa19691	5.6.T16D	N/A	Vanguard 6400 Series page numbers in PRI Statistics are incorrect.
11380	DRFaa19689	5.6.R000	5.6.T48A	Vanguard 6400 Series Debug Alarms are generated when Debug is not enabled.
11383	DRFaa19706	5.5.S300	5.5.T51A	Vanguard 6400 Series SNTP server does not respond when leap year indication is set to three.
11385	DRFaa19708	5.5.S300	5.5.T51A	Vanguard 6400 Series SNTP client does not recognize source IP address when alternate route is used.
11386	DRFaa19701	5.6.S200	5.6.T43A	Vanguard 6400 Series NAT FTP passive mode fails to translate the address.
11389	DRFaa19737	5.6.S200	5.6.T46A	Vanguard 6560 OSPF default route does not advertise after a node boot.
11403	DRFaa19771	5.6.R000	N/A	Vanguard 6400 Series H.323 Prefix Field does not accept certain characters (Example: #, *).
11405	DRFaa19757	5.6.T2LA	6.0.T02A	Vanguard 6400 series unable to send large messages from BSC 3270 to LLC.
11419	DRFaa19844	5.6.T2LA	N/A	Vanguard 6400 Series ADT Security Panel looses IP connectivity after a node boot.
11426	DRFaa19797	5.4.P0LJ	N/A	Vanguard 7300 Series clock parameters may hang when the port is reset or disabled/enabled.
11430	DRFaa19811	5.5	N/A	Vanguard 6400 Series OSPF load balancing is only working with four links.

Change Request Number	Limitation Number	Release Where Problem Was Reported	Interim Patch Release Replaced by Release 6.0 Service Pak 6.0.S100	Problem or Enhancement Description *(continued)*
11432	DRFaa19795	6.0.R00A	N/A	Vanguard 6400 Series - When Dynamic Port Boot is not configured, booting SoTCP disables SoTCP.
11440	DRFaa19829	5.4 and 6.0.R00A	6.0.T01A	When using a large number of Annex-G stations (more than 1,000) certain stations may not come up. This is due to an overflow of the receive buffers. Vanguard 7300 Series.
11441	DRFaa19826	6.0.R00A	6.0.P02A	Vanguard 6400 Series BGP-4 routes are lost after a port boot of a WAN port.
11472	DRFaa19885	5.6.T2DA	N/A	Vanguard 6400 products running fractional T1 and E1 cards will see errors (including FRMRs) on the third port if running 3 ports per card.
11474	DRFaa19911	6.0.R00A	6.0.P02A	Vanguard 7300 Series BGP-4 dynamic memory error occurs when exceeding the minimum route table size.
11484	DRFaa19933	6.0.R00A	N/A	Vanguard 6400 Series crashes when the voice port is not configured with a "Data TLB Miss Exception Encountered error".