

## Vanguard Applications Ware Release 6.5 Service Pak 1 (6.5.S100) Advisory Notice

---

### Introduction

This notice contains information on software improvements and changes made by the Vanguard Applications Ware Release 6.5.R000 Service Pak 6.5.S100.

This notice supplements the *Vanguard Applications Ware Release 6.5.R000 Software Release Notice* (Part Number T0001-47).

---

### Install Service Pak Executable File

Follow these steps to install the Release 6.5.R000 Service Pak 6.5.S100 patch executable file:

<b>Step</b>	<b>Action</b>
<b>1</b>	If you have not already done so, install Vanguard Software Builder from any Vanguard Release 6.5.R000 CD-ROM (Part Number 72608-36 A).
<b>2</b>	Download the V65S100.ZIP file from Vanguard Managed Solutions, please save the file to a local drive on your computer.
<b>3</b>	Use WinZip® to extract the ZIP file. The V65S100.ZIP file contains the V65S100.EXE file and a copy of this advisory notice in PDF format.
<b>4</b>	Run or open the V65S100.EXE executable file from your local drive.
<b>5</b>	The patch executable file prompts you with installation instructions. Insert the Vanguard 6.5.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:

<b>Step</b>	<b>Action</b>
<b>1</b>	Using Vanguard Software Builder, build a custom Release 6.5.R000 Service Pak image by selecting the appropriate Service Pak (6.5.S100 for example) from the <b>Release</b> drop-down menu. Select features or options that you want to include in the image.
<b>2</b>	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), or visit the Alarms Search database on: [www.vanguardms.com/support/](http://www.vanguardms.com/support/)

---

## Software Improvements

---

### Introduction

This section describes specific improvements to the Applications Ware software. It includes:

- Corrected Limitations fixed in 6.5.S100
  - Customer-initiated Change Requests
- 

### Corrected Limitations

#### **Vanguard 6455 Clearing “All Statistics” Creates a Node Crash**

If you try and clear all statistics from the CTP Main Menu the node will crash and generate an error “FAULT: Data TLB Miss Exception Encountered”. This will fail with 6.1, 6.2, 6.2.S100, 6.3, 6.3.S100 software. The problem is related to having more BSC3270 devices configured than you have Quantity of DSP Devices set for in the node record. (CR 13842)

*This is fixed.*

#### **Vanguard 34x GRE\_IPSEC Configuration**

The node may crash if you configure GRE\_IPSEC before IPSEC and boot the node. (CR 14546)

*This is fixed.*

#### **All Vanguards- Display of Status and Alarms**

PKI status and alarms may not display correctly (CR 14555)

*This is fixed.*

#### **Vanguard 7300 PBX Services and H.323 Voice**

Vanguard 7300’s increased memory consumption of PBX Services and H.323 Voice requires users not to use more than 216 voice ports. (CR 14577)

*This is fixed.*

#### **All Vanguards - BGP Route Table Update**

BGP route tables may not update correctly. (CR 14617)

*This is fixed.*

#### **All Vanguards - Deleting a Configured CA**

When deleting a configured CA, the CA configuration record is removed from non-volatile memory (CMEM), but not removed from the system database. CA configuration information in CMEM may not the same as the systems memory. The information appears in the “Get CA and ID” enrollment menu. (CR 14687)

*This is fixed.*

#### **All Vanguards - SSH Session with MindTerm 2.4.2**

Unable to bring up a SSH session with MindTerm 2.4.2. (CR 15871)

*This is fixed.*

#### **All Vanguards - SSH “None” Option Aborts Session**

The option “None” for Cipher and/or MAC aborts a session. (CR 16002)

*This is fixed.*

---

## Service Pak 6.5.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 6.5.R000 Service Pak 1 (6.5.S100), and, where applicable, interim patch releases have been replaced by the Release 6.5.R000 Service Pak 6.5.S100:

#### ■ Note

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

<b>Change Request Number</b>	<b>Limitation Number</b>	<b>Problem or Enhancement Description</b>
15353	N/A	ATM station failing after upgrade to 6.4
15530	N/A	Node crashed FER FAULT: Machine Check Exception Encountered
15582	N/A	Problem: 100M Ethernet ports get populated in the MIB as 10 M ports (Skews all performance reporting)
15598	N/A	When upgrading to 6.4T1FA ATM ATM links work improperly
15641	N/A	Cause Information Element is added into CallProceeding / Progress messages
15642	N/A	Into the FastStart procedure, LogicalChannelNumber is still the same
15683	N/A	Node crash, Fault: FAULT: ISI 750 Exception Encountered
15706	N/A	X.25 Broadcast on 7300
15783	N/A	Multiple nodes crashing FAULT: Program Exception Encountered
15786	N/A	VG6435;6.4.S10A;Node crash with FAULT: Program Exception Encountered
15808	N/A	Problems in the FTP control where ack count does not seem to agree
15830	N/A	VG6435;6.4.S10A;Node crash with FAULT: Data TLB Miss Exception Encountered
15844	N/A	VG7330 randomly crashes FAULT: Program 750 Exception Encountered

**Software Improvements**

<b>Change Request Number</b>	<b>Limitation Number</b>	<b>Problem or Enhancement Description (continued)</b>
15861	N/A	Node crash FAULT: Program 750 Exception Encountered
15871	N/A	[SSH]: Unable to bring up a SSH session with MindTerm 2.4.2.
15874	N/A	Ping >2000B crashes VG6455
15882	N/A	VG7310 Node crash. FAULT: invalid semaphore and ISI 750 Exception Encountered
15885	N/A	3 out of 10 VG340E failed to TFTP image
15899	N/A	CTP port locks up and CPU Util goes to 100% when you do IP Interface stat.
15902	N/A	Not able to access encrypted node.
15904	N/A	NAT - Incorrect RIP advertisement being generated.
15906	N/A	Unable to coldboot from alternate bank when logged in with userplus p/w.
15912	N/A	Node crash Fault ISI 750 Exception Encountered
15913	N/A	Node crash FAULT: Program 750 Exception Encountered
15916	N/A	VG7300 T3E3 port Line Framing Type is reset to its default value randomly
15938	N/A	AAM STATIONS STOP PASSING TRAFFIC STATION BOOT NECESSARY TO RECOVER
15996	N/A	Lan Interface1 stays up whether or not carrier is present on Eth port 5
16000	N/A N/A	BGP-Inbound Policy incorrect results if configuration not correctly mapped.
16002	N/A	[SSH]: The option "None" for Cipher and/or MAC aborts a session.
16004	N/A	Node crashed FER FAULT: invalid semaphore address #1
16007	N/A	7310 Node Crash
16008	N/A	VG7330 CPU2 does not support 100FD
16015	N/A	cdx6500NMNPIflashIdAlt OID query to 6455 or V342 doesn't bring any value
16017	N/A	FAULT: Data TLB Miss Exception Encountered
16031	N/A	Voice Quality issues on ATM

**Software Improvements**

<b>Change Request Number</b>	<b>Limitation Number</b>	<b>Problem or Enhancement Description (continued)</b>
16038	N/A	cdx6500NMNPIflashIdAlt OID query to 6455 or V342 doesn't bring any value
16045	N/A	DIMOV Does not Dial to attached UTA220 with V.25 Bis Commands on port 3
16050	N/A	BSC3780 TPAD w/SNA Host Conversion buffer depletion
16078	N/A	SNMP request makes VG342 reset
16087	N/A	Software doesn't recognize V90 Modem D/C that is at rev B or higher.
16103	N/A	[LCON]: Duplicate configuration parameters (Remote Connection ID)

**Interim Patch Releases Replaced by 6.5 Service Pack 6.5.S100**

The interim Patch Releases listed below have been replaced by 6.5 Service Pack 6.5.S100.

6.4.S10A	6.4.T16A	6.4.T1HA
6.3.T1CB	6.4.T18A	6.4.T1HB
6.3.T1CC	6.4.T14A	6.4.T1JA
6.3.T1FC	6.4.T16B	6.4.T1NA
6.3.T1FF	6.4.T16C	6.4.T1OA
6.4.P01A	6.4.T17A	6.4.T1QA
6.4.P12A	6.4.T19A	6.4.T1VB
6.4.T01A	6.4.T1AA	6.4.TB1A
6.4.T02A	6.4.T1CA	6.4.TA1A
6.4.T03A	6.4.T1DA	6.4.TA02
6.4.T04A	6.4.T1DB	6.4.TA01
6.4.T11A	6.4.T1EA	6.4.T1RA
6.4.T11B	6.4.T1EB	6.4.T1PC
6.4.T12A	6.4.T1EC	6.5.P01A
6.4.T13A	6.4.T1FA	6.4.T1YB
6.4.T15A	6.4.T1GA	

---

## Known Software Limitations

### Introduction

---

This section lists limitations known to exist in Release 6.5.S100 Applications Ware software.

---

#### **Vanguard 73xx IBM750FX Central Processing Unit (CPU)**

Booting the CTP port may cause an ATM port to go down. (CR 14685)

*Workaround:* At present, there is no workaround.

#### **Vanguard 6455 Call Waiting Ring Back**

When the originating end of an H.323 voice call is from a Cisco H.323 voice port to our H.323 interface, and its destination is a port which has call waiting in use, there is no audible ring back tone generated. (CR 14962)

*Workaround:* Do not enable call waiting on the destination voice ports.

#### **Vanguard 73xx PKI ID Certificate**

PKI ID certificate format not compatible between 6.4R00A and 6.4iS10F. (CR 14971)

*Workaround:* At present, there is no workaround.

#### **Vanguard 73xx OSPF 100BT Metric**

An OSPF 100BT interface does not calculate the correct metric if the port is configured for AUTO detect. (CR 14977)

*Workaround:* In order for OSPF to calculate the correct metric for a 100BT port, the port must be configured for 100BT (do not use AUTO detect).

---