Job Aids for Upgrading

the

Avaya S8100 Media Server

with the

Avaya G600 or Avaya CMC1 Media Gateway

555-245-751
Issue 1
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Notice

Every effort was made to ensure that the information in this document was complete and accurate at the time of printing. However, information is subject to change.

Warranty

Avaya Inc. provides a limited warranty on this product. Refer to your sales agreement to establish the terms of the limited warranty. In addition, Avaya's standard warranty language as well as information regarding support for this product, while under warranty, is available through the following Web site: http://www.avaya.com/support.

Preventing Toll Fraud

"Toll fraud" is the unauthorized use of your telecommunications system by an unauthorized party (for example, a person who is not a corporate employee, agent, subcontractor, or is not working on your company's behalf). Be aware that there may be a risk of toll fraud associated with your system and that, if toll fraud occurs, it can result in substantial additional charges for your telecommunications services.

Avaya Fraud Intervention

If you suspect that you are being victimized by toll fraud and you need technical assistance or support, in the United States and Canada, call the Technical Service Center's Toll Fraud Intervention Hotline at 1-800-643-2353.

How to Get Help

For additional support telephone numbers, go to the Avaya support Web site: http://www.avaya.com/support. If you are:

- Within the United States, click the *Escalation Management* link. Then click the appropriate link for the type of support you need.
- Outside the United States, click the *Escalation Management* link. Then click the *International Services* link that includes telephone numbers for the international Centers of Excellence.

Providing Telecommunications Security

Telecommunications security (of voice, data, and/or video communications) is the prevention of any type of intrusion to (that is, either unauthorized or malicious access to or use of) your company's telecommunications equipment by some party.

Your company's "telecommunications equipment" includes both this Avaya product and any other voice/data/video equipment that could be accessed via this Avaya product (that is, "networked equipment").

An "outside party" is anyone who is not a corporate employee, agent, subcontractor, or is not working on your company's behalf. Whereas, a "malicious party" is anyone (including someone who may be otherwise authorized) who accesses your telecommunications equipment with either malicious or mischievous intent.

Such intrusions may be either to/through synchronous (time-multiplexed and/or circuit-based) or asynchronous (character-, message-, or packet-based) equipment or interfaces for reasons of:

- Utilization (of capabilities special to the accessed equipment)
- Theft (such as, of intellectual property, financial assets, or toll facility access)
- Eavesdropping (privacy invasions to humans)
- Mischief (troubling, but apparently innocuous, tampering)
- Harm (such as harmful tampering, data loss or alteration, regardless of motive or intent)

Be aware that there may be a risk of unauthorized intrusions associated with your system and/or its networked equipment. Also realize that, if such an intrusion should occur, it could result in a variety of losses to your company (including but not limited to, human/data privacy, intellectual property, material assets, financial resources, labor costs, and/or legal costs).

Responsibility for Your Company's Telecommunications Security

The final responsibility for securing both this system and its networked equipment rests with you - Avaya's customer system administrator, your telecommunications peers, and your managers. Base the fulfillment of your responsibility on acquired knowledge and resources from a variety of sources including but not limited to:

- Installation documents
- System administration documents
- Security documents
- Hardware-/software-based security tools
- Shared information between you and your peers
- Telecommunications security experts

To prevent intrusions to your telecommunications equipment, you and your peers should carefully program and configure:

- Your Avaya-provided telecommunications systems and their interfaces
- Your Avaya-provided software applications, as well as their underlying hardware/software platforms and interfaces
- Any other equipment networked to your Avaya products

TCP/IP Facilities

Customers may experience differences in product performance, reliability and security depending upon network configurations/design and topologies, even when the product performs as warranted.

Standards Compliance

Avaya Inc. is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by Avaya Inc. The correction of interference caused by such unauthorized modifications, substitution or attachment will be the responsibility of the user. Pursuant to Part 15 of the Federal Communications Commission (FCC) Rules, the user is cautioned that changes or modifications not expressly approved by Avaya Inc. could void the user's authority to operate this equipment.

Product Safety Standards

This product complies with and conforms to the following international Product Safety standards as applicable:

Safety of Information Technology Equipment, IEC 60950, 3rd Edition including all relevant national deviations as listed in Compliance with IEC for Electrical Equipment (IECEE) CB-96A.

Safety of Information Technology Equipment, CAN/CSA-C22.2 No. 60950-00 / UL 60950, 3rd Edition

Safety Requirements for Customer Equipment, ACA Technical Standard (TS) 001 - 1997

One or more of the following Mexican national standards, as applicable: NOM 001 SCFI 1993, NOM SCFI 016 1993, NOM 019 SCFI 1998

The equipment described in this document may contain Class 1 LASER Device(s). These devices comply with the following standards:

- EN 60825-1, Edition 1.1, 1998-01
- 21 CFR 1040.10 and CFR 1040.11.

The LASER devices operate within the following parameters:

- Maximum power output: -5 dBm to -8 dBm
- Center Wavelength: 1310 nm to 1360 nm

Luokan 1 Laserlaite

Klass 1 Laser Apparat

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposures. Contact your Avaya representative for more laser product information.

Electromagnetic Compatibility (EMC) Standards

This product complies with and conforms to the following international EMC standards and all relevant national deviations:

Limits and Methods of Measurement of Radio Interference of Information Technology Equipment, CISPR 22:1997 and EN55022:1998.

Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement, CISPR 24:1997 and EN55024:1998, including:

- Electrostatic Discharge (ESD) IEC 61000-4-2
- Radiated Immunity IEC 61000-4-3
- Electrical Fast Transient IEC 61000-4-4
- Lightning Effects IEC 61000-4-5
- Conducted Immunity IEC 61000-4-6
- Mains Frequency Magnetic Field IEC 61000-4-8
- Voltage Dips and Variations IEC 61000-4-11
- Powerline Harmonics IEC 61000-3-2
- Voltage Fluctuations and Flicker IEC 61000-3-3

Federal Communications Commission Statement

Part 15:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Part 68: Answer-Supervision Signaling

Allowing this equipment to be operated in a manner that does not provide proper answer-supervision signaling is in violation of Part 68 rules. This equipment returns answer-supervision signals to the public switched network when:

- answered by the called station,
- answered by the attendant, or
- routed to a recorded announcement that can be administered by the customer premises equipment (CPE) user.

This equipment returns answer-supervision signals on all direct inward dialed (DID) calls forwarded back to the public switched telephone network. Permissible exceptions are:

- A call is unanswered.
- A busy tone is received.
- A reorder tone is received.

Avaya attests that this registered equipment is capable of providing users access to interstate providers of operator services through the use of access codes. Modification of this equipment by call aggregators to block access dialing codes is a violation of the Telephone Operator Consumers Act of 1990.

REN Number

For MCC1, SCC1, CMC1, G600, and G650 Media Gateways:

This equipment complies with Part 68 of the FCC rules. On either the rear or inside the front cover of this equipment is a label that contains, among other information, the FCC registration number, and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

For G350 and G700 Media Gateways:

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. The digits represented by ## are the ringer equivalence number (REN) without a decimal point (for example, 03 is a REN of 0.3). If requested, this number must be provided to the telephone company.

For all media gateways:

The REN is used to determine the quantity of devices that may be connected to the telephone line. Excessive RENs on the telephone line may result in devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed 5.0. To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

REN is not required for some types of analog or digital facilities.

Means of Connection

Connection of this equipment to the telephone network is shown in the following tables.

For MCC1, SCC1, CMC1, G600, and G650 Media Gateways:

Manufacturer's Port Identifier	FIC Code	SOC/REN/ A.S. Code	Network Jacks
Off premises station	OL13C	9.0F	RJ2GX, RJ21X, RJ11C
DID trunk	02RV2-T	0.0B	RJ2GX, RJ21X
CO trunk	02GS2	0.3A	RJ21X
	02LS2	0.3A	RJ21X
Tie trunk	TL31M	9.0F	RJ2GX
Basic Rate Interface	02IS5	6.0F, 6.0Y	RJ49C
1.544 digital interface	04DU9-BN	6.0F	RJ48C, RJ48M
	04DU9-IKN	6.0F	RJ48C, RJ48M
	04DU9-ISN	6.0F	RJ48C, RJ48M
120A4 channel service unit	04DU9-DN	6.0Y	RJ48C

For G350 and G700 Media Gateways:

Manufacturer's Port Identifier	FIC Code	SOC/REN/ A.S. Code	Network Jacks
Ground Start CO trunk	02GS2	1.0A	RJ11C
DID trunk	02RV2-T	AS.0	RJ11C
Loop Start CO trunk	02LS2	0.5A	RJ11C
1.544 digital interface	04DU9-BN	6.0Y	RJ48C
	04DU9-DN	6.0Y	RJ48C
	04DU9-IKN	6.0Y	RJ48C
	04DU9-ISN	6.0Y	RJ48C
Basic Rate Interface	02IS5	6.0F	RJ49C

For all media gateways:

If the terminal equipment (for example, the media server or media gateway) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact the Technical Service Center at 1-800-242- 2121 or contact your local Avaya representative. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. It is recommended that repairs be performed by Avaya certified technicians.

The equipment cannot be used on public coin phone service provided by the telephone company. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

This equipment, if it uses a telephone receiver, is hearing aid compatible.

Canadian Department of Communications (DOC) Interference Information

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Declarations of Conformity

United States FCC Part 68 Supplier's Declaration of Conformity (SDoC)

Avaya Inc. in the United States of America hereby certifies that the equipment described in this document and bearing a TIA TSB-168 label identification number complies with the FCC's Rules and Regulations 47 CFR Part 68, and the Administrative Council on Terminal Attachments (ACTA) adopted technical criteria.

Avaya further asserts that Avaya handset-equipped terminal equipment described in this document complies with Paragraph 68.316 of the FCC Rules and Regulations defining Hearing Aid Compatibility and is deemed compatible with hearing aids.

Copies of SDoCs signed by the Responsible Party in the U. S. can be obtained by contacting your local sales representative and are available on the following Web site: http://www.avaya.com/support.

All Avaya media servers and media gateways are compliant with FCC Part 68, but many have been registered with the FCC before the SDoC process was available. A list of all Avaya registered products may be found at: http://www.part68.org by conducting a search using "Avaya" as manufacturer.

European Union Declarations of Conformity

CE

Avaya Inc. declares that the equipment specified in this document bearing the "CE" (*Conformité Europeénne*) mark conforms to the European Union Radio and Telecommunications Terminal Equipment Directive (1999/5/EC), including the Electromagnetic Compatibility Directive (89/336/EEC) and Low Voltage Directive (73/23/EEC). This equipment has been certified to meet CTR3 Basic Rate Interface (BRI) and CTR4 Primary Rate Interface (PRI) and subsets thereof in CTR12 and CTR13, as applicable.

Copies of these Declarations of Conformity (DoCs) can be obtained by contacting your local sales representative and are available on the following Web site: http://www.avaya.com/support.

Japan

This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may occur, in which case, the user may be required to take corrective actions.

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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Call: Avaya Publications Center
Voice 1.800.457.1235 or 1.207.866.6701
FAX 1.800.457.1764 or 1.207.626.7269

Write: Globalware Solutions
200 Ward Hill Avenue
Haverhill, MA 01835 USA
Attention: Avaya Account Management

E-mail: totalware@gwsmail.com

For the most current versions of documentation, go to the Avaya support Web site: http://www.avaya.com/support.

Using a CD to upgrade an S8100's software from R10 or later

This document contains job aids for three procedures to upgrade the Avaya S8100 Media Server software to the current release of Avaya Communication Manager:

- Using a CD to upgrade an S8100's software from R10 or later
- Replacing an S8100 Media Server's hard drive
- Replacing an S8100 Media Server to upgrade its software from R9.5

This Job Aid provides the steps for upgrading an S8100 Media Server's software by transferring the new software from a CD. This procedure applies to either a full- or a dot-release upgrade.

Access keys

The access method for each step is identified by the following keys:

LT	Technician's laptop
LT-IE	Internet Explorer/Web interface on the laptop
SDT	S8100's Windows desktop
SDT-IE	Internet Explorer/Web Interface on the S8100's Windows desktop (Note that SDT and SDT-IE are opened inside of LT-IE.)
BS	Bash shell on S8100's Windows desktop
LAC	LAC shell
SAT	System-administration terminal
{...}	Information in braces is for Windows 2000

Upgrade steps

Step		Details	
1	For a direct connection between the technician's laptop and the S8100's service port: **LT** – Change the laptop's IP address to 192.11.13.5	**a**	Right-click the 'Network Neighborhood' {My Network Places} icon on the laptop's desktop, and select Properties.
		b	{Right-click 'PCMIA Ethernet Connection' (or Local Area Connection), and select Properties.}
		c	Highlight the TCP/IP icon from the popup window, and select Properties. Check the 'Specify an IP address' {'Use the following IP address'} radio button.
		d	Enter **192.11.13.5** in the IP address field and **255.255.255.252** in the subnet mask field, and click OK to close the popup windows.
2	**LT-IE** – Disable proxy servers on Internet Explorer.	**a**	Open Internet Explorer and select Tools, Internet Options, the Connections tab, and LAN Settings.
		b	Uncheck the 'Use a proxy server' radio button and click OK to close the popup windows.
3	Connect the laptop to the service jack on the front of the S8100's Processor board.	**a**	Connect a cable from the laptop's PCMCIA Ethernet card to an RJ45 coupler.
		b	Connect a cross-over (flip) cable from the coupler to the TN2314's RJ45 jack.
4	**LT-IE** – Connect to the S8100 server via the web interface.	Open Internet Explorer on the laptop, and enter **192.11.13.6** in the URL address bar to connect to the processor.	
5	**LT-IE** – Open the S8100's desktop. **Note:** Terminal server client and terminal services Active X must be installed on the laptop. The easiest way to do this is to upgrade your Windows 95 laptop's browser to Internet Explorer version 5.5 or higher.	**a**	Click 'Administer System' and log in using **lucent3** for login and password. A domain is not required. Select 'continue' at license agreement window.
		b	Select 'Login to 192' under Remote Control – Terminal Services.
		c	If a VBScript error message appears, click OK.
		d	Click the Connect button (leave the Server field blank).
		e	If a VBScript message appears, click OK (you can resize the Terminal Services screen to full size by pressing ctlr-alt-Pause). A log-in window opens.
		f	Log in using **lucent3**. After logging in, the S8100's Windows 2000 desktop is displayed.
6	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.	
7	**BS** – Open a LAC window.	Execute **telnet 127.1**.and log in using **lucent3**.	

Step		Details
8	**LAC** – Open a SAT window and save translations.	**a** Type **multivantage** to open a SAT window. (The terminal type is W2KTT.) **b** Run **save translations**.
9	**LAC** – Return to the bash window.	**a** Type **logoff** to log out of the SAT window. **b** Press Enter and type **exit** to exit the LAC window. **c** Close the LAC window. **Note:** Do not close the LAC window until you have issued the 'exit' command.
10	**SDT** – Open Internet Explorer on the S8100's desktop and log in using **lucent3**.	**Note:** This step could be done by closing the S8100's desktop and using the laptop's IE session, but then you would need to set up a new S8100-desktop session for subsequent steps.
11	**SDT-IE** – Backup everything to the PCMCIA card or to a network location. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that were not backed up. In this case, find a different backup location or PCMCIA card with enough capacity and rerun the entire backup.	**a** Click 'Administer System'. **b** Log in with **lucent3**. **c** Click 'Backup & Restore' under System Maintenance. **d** Click 'Immediate Backup'. **e** Under "Choose Items for Immediate Backup," select everything that is installed. **Note:** If the S8100's internal AUDIX is being used, you must do two backups. First, select the "AUDIX translations, names & messages" radio button in addition to "MultiVantage announcements" and "MultiVantage translations." When the backup finishes, return to the 'Immediate Backup' screen and select only the "AUDIX announcements" radio button and send this backup to the same or a different location. **f** Set Destination to PCMCIA or click 'Other Location' to send the backup to a network location. **g** Click the Backup button.
12	**SDT-IE** – Record AUDIX extension length. **Note:** You will need to verify the extension length later.	**a** Click the Back icon (on the IE tool bar) twice to return to the Administer System page. **b** From the explorer window, click 'Default AUDIX Settings'. **c** Note whether AUDIX is enabled. If so, click 'AUDIX Extension Length' and record the extension length.
13	**SDT-IE** – Close Internet Explorer on the S8100's desktop.	
14	**SDT** – Open a bash shell window (if not already open).	On the S8100's desktop, click **Start** → **Run** → **bash**.

Step		Details	
15	**BS** – **Important! –** Display and record the customer's network and product information.	**a**	From the bash shell, execute the following three commands – **setip**, **productid**, **oss**.
		b	***Write down all of this information exactly as it appears on the screen.*** You will need to re-enter this information later.
16	**BS** – Close the bash window.	Type **exit**.	
17	**SDT** – Connect to and open the laptop's CD-ROM drive from the S8100 server. **Note:** Make sure the CD-ROM drive on the laptop is shared. For more detaied information, see: Chapter 2 and Appendix I of *Installation and Upgrades for the S8100 Media Server* (555-123-146)	**a**	On the S8100's desktop, right-click My Network Places, and select Search.
		b	When the search window pops up, click Computers in the "Search for other items" list.
		c	Enter the IP address for the laptop (typically, 192.11.13.5) in the Computer Name window, and click the Search Now button.
		d	Double-click the computer icon when it appears in the Name list in the right panel.
		e	If a Connect As window appears, enter the user name (in the Connect as window) and password that you normally use to log onto your laptop. Precede your user name with the domain name\; i.e., <domain name>\<user name> The list of shared devices on your laptop should appear.
		f	Double-click the CD-ROM drive to display its contents, including setup.exe.

Step		Details
18	**SDT** – If the S8100 system is running Windows 2000 with Service Pack 2 or 3, you need to upgrade to Service Pack 4 (SP4). You can obtain the SP4 upgrade from either the: • Avaya software CD-ROM • Microsoft website	**a** Check the Windows service pack's version: — On the S8100's Windows desktop, right-click the My Computer icon. — Click Properties and check the service pack's version. — If running SP4, skip to Step 23. If running either SP2 or SP3, continue with this step to upgrade to SP4. Upgrade to SP4: **b** From the bash shell, execute **shutdown all**. **c** Browse the contents of the CD-ROM (which you connected to in Step 17). In the folder, "Windows Updates," find the SP4 upgrade file, ***W2Ksp4.exe***, and double-click it. **d** When the option for archiving files comes up, choose "**Do not archive files**." Accept the other defaults. **e** If an option to restart Windows 2000 appears when the upgrade to SP4 finishes, choose **no** to decline. **f** From the bash shell do a manual reboot, by executing **start all**.
19	If you upgraded to SP4 in Step 18, and restarted Windows 2000, you will need to repeat Step 4 and Step 5 to get back to the S8100's Windows desktop.	
20	**SDT** – Open a bash shell window.	On the S8100's desktop, click **Start** → **Run** → **bash**.
21	**BS** – Shutdown every application.	From the bash shell, execute **shutdown all**.
22	**BS** – Close the bash window.	Type **exit**.
23	**⚠ WARNING:** Execute this step from the S8100's Windows desktop, ***not*** from the laptop's desktop. Running setup on the laptop will overwrite the contents of the laptop's hard drive. **SDT** – Upgrade the S8100's system software.	Browse the contents of the CD-ROM (which you connected to in Step 17). Find and double-click **setup.exe**, and follow the Wizard's steps for the upgrade.
24	**SDT** – After the upgrade finishes, if the bash shell is still open, the platform should reboot on its own. If the bash shell is not open, open it and execute **reboot nice** to restart the system.	
25	Wait approximately 5 minutes then reconnect to the S8100's desktop.	Repeat steps **4** through **5**.

Step		Details
26	**SDT** – On the S8100's desktop, double-click the time display and set the *time*, *time zone*, *date*, and *Daylight Savings*.	The time display is in the tool tray at the lower right of the desktop.
27	**SDT** – Disable modem compression.	**a** Click **Start** → **Settings** → **Control Panel**. **b** Double-click Phone and Modem Options. **c** Click the Modems tab. **d** Select the installed modem and click Properties. **e** Click the Advanced tab. **f** Click Change the Default Preferences. **g** In the Compression drop-down list, select Disabled. **h** Close each dialog by clicking **OK**, and close the Control Panel window.
28	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.
29	**BS** – Verify the software's version.	Type **swversion**. Ensure that the Release number and MultiVantage version number are as expected.
30	**BS** – Verify the customer's parameters that you wrote down in Step 15, using the setip command.	Type **setip** to display the customer's parameters. If any parameter is not as you recorded in Step 15, use the following setip commands to reset those parameters. setip name=<args> setip cust=<args> setip dns=<args> setip wins=<args> setip ras=<args> Replace each "<args>" with the corresponding parameter you recorded in Step 15.
31	**BS** – Administer the product ID and OSS parameters using the 'productid' and 'oss' commands.	**productid multivantage-product-id <arg>** **productid audix-product-id <arg>** **oss <telno> <retries> <retry_interval>** Replace each "<arg>" with the corresponding parameter you recorded from Step 15. For the **oss** command, enter the **<telno>**, **<retries>**, and **<retry_interval>** parameters separated by spaces; do not enter commas.
32	**BS** – Open a LAC window.	Execute **telnet 127.1**, and log on using **lucent3**.
33	**LAC** – Open a bash shell window.	Type **bash**.
34	**BS** – Check license status. If `License-Normal Mode` is displayed, skip Step 35.	Type **statuslicense**.
35	**LAC** – Install the new license and password file from the LAC window using the lucent3 log-in ID.	For details, see Chapter 3 in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146.*

Step		Details
36	**LAC** – Close the LAC window and bash shell.	**a** Type **exit**, and close the telnet window. **b** Type **exit** to close the bash window.
37	**SDT** – Open Internet Explorer on the S8100's desktop and log in.	**a** Double-click the IE icon on the S8100's desktop. **b** Click 'Administer System'. **c** Log in using **lucent3**. **d** Click Continue on the Notice page.
38	**SDT-IE** – Restore the translations and other backed-up data to the hard drive.	**a** Click 'Administer System.' **b** Click 'Backup & Restore.' **c** Click 'Restore.' **d** Select the Source for the restore – The Destination or Other location you entered for the backup in Step 12. **e** Click the **Continue** button. Under "These items will be restored from ... ", every item that was backed up to the location specified in Step d will be selected. **f** Click the **Restore** button. **Note:** If you backed up AUDIX announcements in Step 12, you must do two restores. After the first restore, repeat the steps above using the location of the backed up AUDIX announcements for the Source in Step d.
39	**SDT-IE** – Close Internet Explorer.	
40	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.
41	**BS** – Shutdown every application.	Execute **shutdown all**.
42	**BS** – After the shutdown finishes, restart every application.	Execute **start all**.
43	**BS** – Monitor the startup's progress.	Execute **statapp**.
44	Verify that call processing comes into service.	
45	Verify that voice messaging comes into service.	
46	**BS** – Telnet into the LAC window from the bash.	Execute **telnet 127.1**, and log in using **lucent3**.
47	**LAC** – Open a SAT window.	Type **multivantage** to open a SAT window. (The terminal type is W2KTT.)
48	**SAT** – Verify that there is no translation corruption.	If there are corrupted translations, a message will appear when the SAT window opens.
49	**SAT** – Verify no-license/emergency numbers.	Type **change system-parameters features**. See ''Administer No-License/Emergency Numbers'' in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146.*

Step		Details
50	**SAT** – Verify that no major or minor alarms are present.	Type **display alarms**.
51	**SAT** – Verify outgoing alarm reports link to INADS.	Type **test inads-link**.
52	**SAT** – Save translations.	Type **save trans**.
53	**SAT** – Log out of SAT, and exit LAC.	**a** Type **logoff**, and respond with **y** to close the SAT session. **b** Type **bash** to go to the bash shell.
54	**BS** – Verify Intuity alarms.	Type **logsend -tTST**.
55	**BS** – Verify GAM alarms.	Type **wrntevent GAM 0 9991**. **Note:** This causes a Major GAM alarm. After the system has called out, enter **cleargamalarm all** at the **BASH prompt** to retire the alarm. This alarm also generates a Maestro case that the INADS group will need to close.
56	**BS** – Close the bash windows.	**a** Type **exit** to close the bash window. **b** Type **exit** to close the LAC window.
57	**LT-IE** – Backup the translations and other data to the PCMCIA card or to a network location.	**a** Click 'Administer System'. **b** Click 'Backup & Restore' under System Maintenance. **c** Click 'Immediate Backup'. **d** Under "Choose Items for Immediate Backup," select everything that is installed. **e** Set Destination to PCMCIA, or click 'Other Location' to backup to a network location. **f** Click the Backup button. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that didn't get backed up.
58	Close Internet Explorer on the S8100's desktop and on the laptop.	
	SECURITY ALERT: When you are finished with the upgrade procedures, you should restore your laptop to its original configuration, including unsharing the CD drive. When connected to a network, a shared drive is a potential security risk.	

Replacing an S8100 Media Server's hard drive

This Job Aid provides the steps for replacing the hard drive on the S8100 Media Server (TN2314) circuit pack. The media server's software release on the new hard drive may be the same as, or later than, the software release on the hard drive to be replaced. If the media server's software release on the new hard drive is earlier than the software release on the hard drive to be replaced, you must upgrade the software on the new hard drive after the replacement.

Access keys

The access method for each step is identified by the following keys:

LT	Technician's laptop
LT-IE	Internet Explorer / Web interface on the laptop
SDT	S8100's Windows desktop
SDT-IE	Internet Explorer/Web interface on the S8100's Windows desktop (Note that SDT and SDT-IE are opened inside of LT-IE.)
BS	Bash shell on S8100's Windows desktop
LAC	LAC shell
SAT	System-administration terminal
{...}	Information in braces is for Windows 2000

Upgrade steps

Step		Details	
1	For a direct connection between the technician's laptop and the S8100's service port. **LT** – Change the laptop's IP address to 192.11.13.5	**a**	Right-click the 'Network Neighborhood' {My Network Places} icon on the laptop's desktop and select Properties.
		b	{Right-click 'PCMIA Ethernet Connection' (or Local Area Connection) and select Properties.}
		c	Highlight the TCP/IP icon from the popup window and select Properties. Check the 'Specify an IP address' {'Use the following IP address'} radio button.
		d	Enter **192.11.13.5** in the IP address field and **255.255.255.252** in the subnet mask field and click OK to close the popup windows.
2	**LT-IE** – Disable proxy servers on Internet Explorer.	**a**	Open Internet Explorer and select Tools, Internet Options, the Connections tab, and LAN Settings.
		b	Uncheck the 'Use a proxy server' radio button and click OK to close the popup windows.
3	Connect the laptop to the service jack on the front of the S8100's Processor board.	**a**	Connect a cable from the laptop's PCMCIA Ethernet card to an RJ45 coupler.
		b	Connect a cross-over (flip) cable from the coupler to the TN2314's RJ45 jack.
4	**LT-IE** – Connect to the S8100 server via the web interface.	Open Internet Explorer on the laptop and enter **192.11.13.6** in the URL address bar to connect to the processor.	
5	**LT-IE** – Open the S8100's desktop. **Note:** Terminal server client and terminal services Active X must be installed on the laptop. The easiest way to do this is to upgrade your Windows 95 laptop's browser to Internet Explorer 5.5.	**a**	Click 'Administer System' and log in using **lucent3** for log-in ID and password. A domain is not required. Select 'continue' at license agreement window.
		b	Select 'Login to 192' under Remote Control – Terminal Services.
		c	If a VBScript error message appears, click OK.
		d	Click the Connect button (leave the Server field blank).
		e	If a VBScript message appears, click OK (you can resize the Terminal Services screen to full size by pressing ctlr-alt-Pause). A log-in window will open.
		f	Log in using **lucent3**. After logging in, the S8100's Windows 2000 desktop is displayed.
6	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.	
7	**BS** – Open a LAC window.	Execute **telnet 127.1**,.and log in using **lucent3**.	

	Step	Details
8	**LAC** – Open a SAT window and execute **save translations**.	Type **multivantage** to open a SAT window. (The terminal type is W2KTT.)
9	**LAC** – Return to the bash window.	**a** Type **logoff** to log out of the SAT window. **b** Press Enter, and type **exit** to exit the LAC window. **c** Close the LAC window. **Note:** Do not close the LAC window until you have issued the 'exit' command.
10	**SDT** – Open Internet Explorer on the S8100's desktop and log in using **lucent3**.	**Note:** This step could be done by closing the S8100's desktop and using the laptop's IE session, but then you would need to set up a new S8100-desktop session for the subsequent steps.
11	**SDT-IE** – Backup everything to the PCMCIA card or to a network location. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that were not backed up. In this case, find a different backup location or PCMCIA card with enough capacity and rerun the entire backup.	**a** Click 'Administer System' **b** Log in with **lucent3**. **c** Click 'Backup & Restore' under System Maintenance. **d** Click 'Immediate Backup'. **e** Under "Choose Items for Immediate Backup," select everything that is installed. **Note:** If the S8100's internal AUDIX is being used, you must do two backups. First, select the "AUDIX translations, names & messages" radio button in addition to "MultiVantage announcements" and "MultiVantage translations." When the backup finishes, return to the 'Immediate Backup' screen and select only the "AUDIX announcements" radio button and send this backup to the same or a different location. **f** Set Destination to PCMCIA or click 'Other Location' to send the backup to a network location **g** Click the Backup button.
12	**SDT-IE** – Record AUDIX extension length. **Note:** You will need to verify the extension length later.	**a** Click the Back icon (on the IE tool bar) twice to return to the Administer System page. **b** From the explorer window, click 'Default AUDIX Settings'. **c** Note whether AUDIX is enabled. If so, click 'AUDIX Extension Length' and record the extension length.
13	**SDT-IE** – Close Internet Explorer on the S8100's desktop.	
14	**SDT** – Open a bash shell window (if not already open).	Click **Start** → **Run** → **bash**.

Step		Details	
15	**BS** – **Important!** – Display and record the customer's network and product information.	**a**	From the bash shell, execute the following three commands – **setip**, **productid**, **oss**.
		b	***Write down all of this information exactly as it appears on the screen.*** You will need to re-enter this information later.
16	**BS** – From the bash shell, execute **shutdown system**.		
17	The green "Complete" LED on the S8100's faceplate will be flashing during the shutdown process. Wait until this LED is on steady. Then power down the system.		
18	Disconnect the cross-over cable from the Processor board and remove the board from the cabinet.		
19	Carefully replace the hard drive on the Processor board with the new hard drive.	**Note:** Hard drives are always installed in the top slot of the drive bay.	
20	Re-install the Processor board into the platform and power up the system.		
21	Wait approximately 5 minutes then reconnect to the S8100's desktop and open a bash shell.	Repeat steps **3** through **5**.	
22	**BS** – Verify the software's version.	Type **swversion**. Ensure that the Release number and MultiVantage version number are as expected.	
23	**SDT** – On the S8100's desktop, double-click the time display and set the *time*, *time zone*, *date*, and *Daylight Savings*.	The time display is in the tool tray at the lower right of the desktop.	
24	**SDT** – Disable modem compression.	**a**	Click **Start** → **Settings** → **Control Panel**.
		b	Double-click Phone and Modem Options.
		c	Click the Modems tab.
		d	Select the installed modem and click Properties.
		e	Click the Advanced tab.
		f	Click Change the Default Preferences.
		g	In the Compression drop-down list, select Disabled.
		h	Close each dialog by clicking **OK**, and close the Control Panel window.
25	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.	

	Step	Details
26	**BS** – Administer the customer's parameters that you wrote down in Step 15, using the setip command.	**setip name=<args>** **setip cust=<args>** **setip dns=<args>** **setip wins=<args>** **setip ras=<args>** Replace each "<args>" with the corresponding parameter you recorded in Step 15.
27	**BS** – Administer the product ID and OSS parameters using the 'productid' and 'oss' commands.	**productid multivantage-product-id <arg>** **productid audix-product-id <arg>** **oss <telno> <retries> <retry_interval>** Replace each "<arg>" with the corresponding parameter you recorded from Step 15. For the **oss** command, enter the **<telno>**, **<retries>**, and **<retry_interval>** parameters separated by spaces; do not enter commas.
28	**BS** – Telnet into the LAC window from the bash.	Execute **telnet 127.1**, and log in using **lucent3.**
29	**LAC** – Install the new license and password file from the LAC window using the lucent3 login ID.	For details, see Chapter 3 in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146.*
30	**LAC** – Exit the LAC window and bash shell.	**a** Type **exit**, and close the telnet window. **b** Type **exit** to close the bash window.
31	**SDT** – Open Internet Explorer on the S8100's desktop and log in.	**a** Double-click the IE icon on the S8100's desktop. **b** Click 'Administer System'. **c** Login using **lucent3**. **d** Click Continue on the Notice page.
32	**SDT-IE** – Restore the translations and other backed-up data to the hard drive. **Note:** The Windows logins of **vm**, **sa**, **browse**, and **NTadmin** are reset to their factory defaults. The customer should reset these passwords and reinstall other Windows accounts they may have created.	**a** Click 'Administer System.' **b** Click 'Backup & Restore.' **c** Click 'Restore.' **d** Select the Source for the restore – The Destination or Other location you entered for the backup in Step 12. **e** Click the **Continue** button. Under "These items will be restored from ... ", every item that was backed up to the location specified in Step d will be selected. **f** Click the **Restore** button. **Note:** If you backed up AUDIX announcements in Step 12, you must do two restores. After the first restore, repeat the steps above using the location of the backed up AUDIX announcements for the Source in Step d.
33	**SDT-IE** – Close Internet Explorer.	
34	**SDT** – Open a bash shell.	Click **Start** → **Run** → **bash**.

Step		Details
35	**BS** – Shutdown every application.	Execute **shutdown all**.
36	**BS** – After the shutdown finishes, restart every application.	Execute **start all**.
37	**BS** – Monitor the startup's progress.	Execute **statapp**.
38	Verify that call processing comes into service.	
39	Verify that voice messaging comes into service.	
40	**BS** – Telnet into the LAC window from the bash.	Execute **telnet 127.1** and logon using **lucent3**.
41	**LAC** – Open a SAT window.	Type **multivantage** to open a SAT window. (The terminal type is W2KTT.)
42	**SAT** – Verify that there is no translation corruption.	If there are corrupted translations, a message will appear when the SAT window opens.
43	**SAT** – Verify that no major or minor alarms are present.	Run **display alarms**.
44	**SAT** – Verify outgoing alarm reports link to INADS.	Run **test inads-link**.
45	**SAT** – Verify no-license/emergency numbers.	Type **change system-parameters features**. See ''Administer No-License/Emergency Numbers'' in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146.*
46	**SAT** – Save translations.	Run **save trans**.
47	**SAT** – Logoff SAT and exit LAC.	**a** Type **logoff** and respond with **y** to close the SAT session. **b** Type **bash** to go to the bash shell.
48	**BS** – Verify Intuity alarms.	Type **logsend -tTST**.
49	**BS** – Verify GAM alarms.	Type **wrntevent GAM 0 9991**. **Note:** This causes a Major GAM alarm. After the system has called out, enter **cleargamalarm all** at the **BASH prompt** to retire the alarm. This alarm also generates a Maestro case that the INADS group will need to close.
50	**BS** – Close the bash windows.	**a** Type **exit** to close the bash window. **b** Type **exit** to close the LAC window.

	Step	Details
51	**LT-IE** – Backup the translations and other data to the PCMCIA card or to a network location.	**a** Click 'Administer System'. **b** Click 'Backup & Restore' under System Maintenance. **c** Click 'Immediate Backup'. **d** Under "Choose Items for Immediate Backup," select everything that is installed. **e** Set Destination to PCMCIA, or click 'Other Location' to backup to a network location. **f** Click the Backup button. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that didn't get backed up.
52	Close Internet Explorer on the S8100's desktop and on the laptop.	
	SECURITY ALERT: When you are finished with the upgrade procedures, you should restore your laptop to its original configuration.	

Replacing an S8100 Media Server to upgrade its software from R9.5

This Job Aid provides the steps for upgrading an R9.5 DEFINITY ONE or IP600 system to an S8100 system with the current release of Communication Manager. This upgrade replaces the TN795 with the TN2314 processor circuit pack. The hard drive on the new circuit pack contains the new software.

Access keys

The access method for each step is identified by the following keys:

LT	Technician's laptop
LT-IE	Internet Explorer / Web interface on the laptop
SDT	S8100's Windows desktop
SDT-IE	Internet Explorer/Web interface on the S8100's Windows desktop (Note that SDT and SDT-IE are opened inside of LT-IE.)
BS	Bash shell on S8100's Windows desktop
LAC	LAC shell
SAT	System-administration terminal
{...}	Information in braces is for Windows 2000

Upgrade steps

Step		Details	
1	For a direct connection between the technician's laptop and the S8100's service port: **LT** – Change laptop's IP address to 192.11.13.5	**a**	Right-click the 'Network Neighborhood' {My Network Places} icon on the laptop's desktop and select Properties.
		b	{Right-click 'PCMIA Ethernet Connection' (or Local Area Connection) and select Properties.}
		c	Highlight the TCP/IP icon from the popup window and select Properties. Check the 'Specify an IP address' {'Use the following IP address'} radio button.
		d	Enter **192.11.13.5** in the IP address field and **255.255.255.252** in the subnet mask field, and click OK to close the popup windows.
2	**LT-IE** – Disable proxy servers on Internet Explorer.	**a**	Open Internet Explorer and select Tools, Internet Options, the Connections tab, and LAN Settings.
		b	Uncheck the 'Use a proxy server' radio button, and click OK to close the popup windows.
3	Connect the laptop to the R9.5 Processor board (TN795).	**a**	Connect a cable from the laptop's PCMCIA Ethernet card to an RJ45 coupler.
		b	Connect a cross-over (flip) cable from the coupler to the PCMCIA network-interface card in the TN795's PCMCIA slot.
4	**LT** – Connect to the TN795 processor.	**a**	Click **Start**, **Run**, and enter **telnet 192.11.13.6**.
		b	Log in using **lucent3**. – The LAC prompt displays.
5	**LAC** – Open a bash shell by typing **bash** at the LAC prompt.	Type **bash** at the LAC prompt.	
6	**BS** – **Important!** – Display and record the customer's network and product information.	**a**	From the bash shell, execute the following three commands – **setip**, **productid**, **oss**.
		b	***Write down all of this information exactly as it appears on the screen.*** You will need to re-enter this information later.
7	**BS** – Shutdown AUDIX.	Type **shutdown audix**. When the BASH prompt returns (the Audix shutdown takes a few minutes), type **statapp** to verify that AUDIX has shutdown.	
8	**BS** – Exit the bash shell and return to the LAC prompt.	Type **exit**.	
9	**LAC** – Open a SAT window.	Type **definity** to open a SAT window. (The terminal type is 'NTT' {'W2KTT'}.)	

	Step	Details
10	**SAT** – Save the DEFINITY translations to the hard drive and logoff the SAT window.	**a** Execute **save translations**. **b** When the save translations operation is finished, execute **logoff** to logoff the SAT window and return to the LAC prompt.
11	**LT-IE** – Connect to the TN795 processor with Internet Explorer.	Open Internet Explorer on the laptop, type **192.11.13.6** in the URL address bar, and press Enter.
12	**LT-IE** – Backup everything to the PCMCIA card or to a network location. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that were not backed up. In this case, find a different backup location or PCMCIA card with enough capacity and rerun the entire backup.	**a** Click 'Administer System' **b** Log in with **lucent3**. **c** Click 'Backup & Restore' under System Maintenance. **d** Click 'Immediate Backup'. **e** Under "Choose Items for Immediate Backup," select everything that is installed. **Note:** If the S8100's internal AUDIX is being used, you must do two backups. First, select the "AUDIX translations, names & messages" radio button in addition to "MultiVantage announcements" and "MultiVantage translations." When the backup finishes, return to the 'Immediate Backup' screen and select only the "AUDIX announcements" radio button and send this backup to the same or a different location. **f** Set Destination to PCMCIA, or click 'Other Location' to send the backup to a network location. **g** Click the Backup button.
13	Verify backup.	Click "Last scheduled backup results", and note the "Time Finished" to verify that the backup finished.
14	**LT-IE** – Record AUDIX extension length. **Note:** You will need to verify the extension length later.	**a** Click the Back icon (on the IE tool bar) twice to return to the Administer System page. **b** From the explorer window, click 'Default AUDIX Settings'. **c** Note whether AUDIX is enabled. If so, click 'AUDIX Extension Length' and record the extension length.
15	**LT-IE** – Shutdown the system.	**a** Click 'Administer System'. **b** Select 'Shutdown or Restart' under the System Maintenance section.
16	The green "Complete" LED on the TN795 faceplate will be flashing during the shutdown process. Wait until this LED is on steady. Then power down the system.	
17	Remove the TN795 Processor board.	
18	Carefully remove the PCMCIA card from the TN795 Processor board and install it in the new TN2314 Processor board.	Do **not** swap the hard drives. A TN795's hard drive will not work on a TN2314.
19	Install the new Processor board into the platform and power up the system.	

Step		Details
20	Wait approximately 5 minutes, then connect the laptop to the service jack on the front of the TN2314 Processor board.	**a** Connect a cable from the laptop's PCMCIA Ethernet card to an RJ45 coupler. **b** Connect a cross-over (flip) cable from the coupler to the RJ45 service jack on the front of the TN2314 Processor board.
21	**LT-IE** – Connect to the TN2314 processor with Internet Explorer.	Open Internet Explorer on the laptop, type **192.11.13.6** in the URL address bar, and press Enter.
22	**LT-IE** – Open the S8100's desktop. **Note:** Terminal server client and terminal services Active X must be installed on the laptop. The easiest way to do this is to upgrade your Windows 95 laptop's browser to Internet Explorer 5.5.	**a** Click 'Administer System' and login using **lucent3** for login and password. A domain is not required. Select 'continue' at license agreement window. **b** Select 'Login to <xxx>' under Remote Control – Terminal Services (where <xxx> is the host name used for this system). **c** If a VBScript error message appears, click OK. **d** Click the Connect button (leave the Server field blank). **e** If a VBScript message appears, click OK (you can resize the Terminal Services screen to full size by pressing ctlr-alt-Pause). A login window will open. **f** Login using **lucent3**. After login, the S8100's Windows 2000 desktop is displayed.
23	**SDT** – On the S8100's desktop, double-click the time display and set the *time*, *time zone*, *date*, and *Daylight Savings*.	The time display is in the tool tray at the lower right of the desktop.
24	**SDT** – Disable modem compression.	**a** Click **Start** → **Settings** → **Control Panel**. **b** Double-click Phone and Modem Options. **c** Click the Modems tab. **d** Select the installed modem and click Properties. **e** Click the Advanced tab. **f** Click Change the Default Preferences. **g** In the Compression drop-down list, select Disabled. **h** Close each dialog by clicking **OK**, and close the Control Panel window.
25	**SDT** – Open a bash shell window.	Click **Start** → **Run** → **bash**.
26	**BS** – Verify the software's version.	Type **swversion**. Ensure that the Release number and MultiVantage version number are as expected.

	Step	Details
27	**BS** – Administer the customer's parameters that you wrote down in Step 6, using the setip command.	**setip name=<args>** **setip cust=<args>** **setip dns=<args>** **setip wins=<args>** **setip ras=<args>** Replace each "<args>" with the corresponding parameter you recorded in Step 6.
28	**BS** – Administer the product ID and OSS parameters using the 'productid' and 'oss' commands.	**productid multivantage-product-id <arg>** **productid audix-product-id <arg>** **oss <telno> <retries> <retry_interval>** Replace each "<arg>" with the corresponding parameter you recorded from Step 15. For the **oss** command, enter the **<telno>**, **<retries>**, and **<retry_interval>** parameters separated by spaces; do not enter commas.
29	**BS** – Telnet into the LAC window from the bash.	Execute **telnet 127.1** and login using **lucent3**.
30	**LAC** – Install the new license and password file from the LAC window using the lucent3 login.	For details, see Chapter 3 in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146*.
31	**LAC** – Exit the LAC window and bash shell.	**a** Type **exit**, and close the telnet window. **b** Type **exit** to close the bash window.
32	**SDT** – Open Internet Explorer on the S8100's desktop and login.	**a** Double-click the IE icon on the S8100's desktop. **b** Click 'Administer System'. **c** Log in using **lucent3**. **d** Click Continue on the Notice page.
33	**SDT-IE** – Restore the translations and other backed-up data to the hard drive. **Note:** The Windows logins of **vm**, **sa**, **browse**, and **NTadmin** are reset to their factory defaults. The customer should reset these passwords and reinstall other Windows accounts they may have created.	**a** Click 'Administer System.' **b** Click 'Backup & Restore.' **c** Click 'Restore.' **d** Select the Source for the restore – The Destination or Other location you entered for the backup in Step 12. **e** Click the **Continue** button. Under "These items will be restored from ... ", every item that was backed up to the location specified in Step d will be selected. **f** Click the **Restore** button. **Note:** If you backed up AUDIX announcements in Step 12, you must do two restores. After the first restore, repeat the steps above using the location of the backed up AUDIX announcements for the Source in Step d.
34	**SDT-IE** – When the restore finishes, close Internet Explorer.	
35	**SDT** – Open a bash shell.	Click **Start** → **Run** → **bash**.
36	**BS** – Shutdown every application.	Execute **shutdown all**.

Step		Details
37	**BS** – After the shutdown finishes, restart every application.	Execute **start all**.
38	**BS** – Monitor the startup's progress.	Execute **statapp**.
39	Verify that call processing comes into service.	
40	Verify that voice messaging comes into service.	
41	**BS** – Telnet into the LAC window from the bash.	Execute **telnet 127.1** and logon using **lucent3**.
42	**LAC** – Open a SAT window.	Type **multivantage** to open a SAT window. (The terminal type is W2KTT.)
43	**SAT** – Verify that there is no translation corruption.	If there are corrupted translations, a message will appear when the SAT window opens.
44	**SAT** – Verify that no major or minor alarms are present.	Run **display alarms**.
45	**SAT** – Verify outgoing alarm reports link to INADS.	Run **test inads-link**.
46	**SAT** – Verify no-license/emergency numbers.	Type **change system-parameters features**. See ''Administer No-License/Emergency Numbers'' in *Installation and Upgrades for the Avaya S8100 Media Server with the Avaya G600 and the Avaya CMC1 Media Gateways, 555-233-146.*
47	**SAT** – Save translations.	Run **save trans**.
48	**SAT** – Logoff SAT and exit LAC.	**a** Type **logoff** and respond with **y** to close the SAT session. **b** Type **bash** to go to the bash shell.
49	**BS** – Verify Intuity alarms.	Type **logsend -tTST**.
50	**BS** – Verify GAM alarms.	Type **wrntevent GAM 0 9991**. **Note:** This causes a Major GAM alarm. After the system has called out, enter **cleargamalarm all** at the **BASH prompt** to retire the alarm. This alarm also generates a Maestro case that the INADS group will need to close.
51	**BS** – Close the bash windows.	**a** Type **exit** to close the bash window. **b** Type **exit** to close the LAC window.

	Step	Details
52	**LT-IE** – Backup the translations and other data to the PCMCIA card or to a network location.	**a** Click 'Administer System'. **b** Click ‘Backup & Restore’ under System Maintenance. **c** Click ‘Immediate Backup’. **d** Under “Choose Items for Immediate Backup,” select everything that is installed. **e** Set Destination to PCMCIA or click ‘Other Location’ to backup to a network location. **f** Click the Backup button. **Note:** If the medium you are backing up to runs out of space, a message will appear noting the files that didn’t get backed up.
53	Close Internet Explorer on the S8100’s desktop and on the laptop.	
	SECURITY ALERT: When you are finished with the upgrade procedures, you should restore your laptop to its original configuration.	