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Nortel Networks Communication Server 2100

Software Upgrades

Reference Manual

SE08 Standard 02.02 August 2005

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Issue 01.05, Standard SE07. This is the first Standard version of the document for customer delivery.

Contents

| | |
|--|-----------|
| About this document | ix |
| What's new in SE08 | 11 |
| Release updates 11 | |
| Getting started | 13 |
| Upgrade sequence 13 | |
| Where to find the upgrade procedure 13 | |
| List of terms | 17 |



About this document

Purpose and audience

This manual acts as a roadmap for upgrading Communication Server 2100 network elements from SE07 to SE08. Most procedures are already available in other documents, in which case this manual references the appropriate document.

The audience for this document are technicians, either customer or Nortel, who are upgrading a Communication Server 2100 site to SE08.

How to check the version and issue of this document

The version and issue of the document are indicated by numbers (for example, 01.01).

The first two digits indicate the version. The version number increases each time the document is updated to support a new software release. For example, the first release of a document is 01.01. In the next software release cycle, the first release of the same document is 02.01.

The second two digits indicate the issue. The issue number increases each time the document is revised but re-released in the same software release cycle. For example, the second release of a document in the same software release cycle is 01.02.



FOR MORE INFORMATION

To determine whether you have the latest version of this document and how documentation for your product is organized, check the release information in the *Meridian SL-100 Master Index of Publications*.



What's new in SE08

Release updates

The following updates are applicable to the *Communication Server 2100 Software Upgrades Reference manual*:

- Beginning in SE08, the Mediatrix products have moved to Nortel Select Product Program (SPP). The distributor will be the primary interface to the customer when Mediatrix products are required to be included in a CS 2100 configuration. Access more information at <http://www.nortelnetworks.com/prd/select/index.html>
- Nortel has undergone a major rebranding initiative to make our product names easier for customers to understand. This guide reflects the changes in product names.



Getting started

Upgrade sequence

This document shows where to find information about how to upgrade a Communication Server 2100 network. The following upgrade paths are supported:

- From SE06 to SE07
- From SE07 to SE08

Where to find the upgrade procedure

An end-to-end Communication Server 2100 network upgrade involves upgrading all required components in a specific upgrade order. [Table 1 on page 13](#) lists the upgrade order for each component.

Table 1 Component upgrade order

| Step | Component |
|------|---|
| 1 | Device Manager |
| 2 | Ethernet Routing Switch 8600 |
| 3 | Multiservice Data Manager |
| 4 | CS 2000 Core Manager |
| | Core and Billing Manager 850 |
| 5 | Integrated Element Management System (IEMS) |
| 6 | Communication Server 2000 Management Tools (CMT) and Clients ^a |
| 7 | Peripheral Modules ^b |
| 8 | Media Gateway 9000 Manager |
| 9 | SAM21 Shelf Controller |

14 Getting started

Table 1 Component upgrade order

| Step | Component |
|------|--|
| 10 | Gateway Controller ^c |
| 11 | Universal Audio Server-No upgrade |
| | Media Server 2000 series (MS 2010) |
| 12 | Media Gateway 3200 ^d |
| 13 | Media Gateway 3500-New for SE08 |
| 14 | Media Gateway 9000 |
| 15 | Enhanced Network and Message Switch ^e |
| 16 | CS 2000-XA-core or CS 2000 Compact Call Agent ^{f g} |
| 17 | Media Gateway 7480 ^h |
| 18 | Centrex IP Client Manager (CICM) |
| 19 | OEM/third- party gateway ⁱ |
| 20 | RTP Media Portal |

a.For APS: “CS 2000 Management Tools” section, Upgrading the Carrier Voice Over IP Network, NN10440-450

b.For IOM procedures: Peripheral Module Release Documents, 297-2663-599

c.For SIP-T procedures: Upgrading the Gateway Controller, NN10196-461

d.For Media Gateway 3200 (MG 3200) procedures: MG3200 Configuration Guide, LTRT72903

e.For ENET procedures: Peripheral Module Release Documents, 297-2663-599

f.For STORM or PDS procedures: Upgrading the STORM, NN10066-461

g.For Call Agent identifier procedure: “CS 2000 Call Agent Identifier” section, Upgrading the Carrier Voice Over IP Network, NN10440-450

h.For Media Gateway 7480 (PVG 7480) procedures: “Multi-service Switch 15000” section, NN10440-450

i.For Mediatrix Analog station Gateway: Refer to the OEM/third- party gateway upgrade documentation at www.nortel.com/prd/select/mediatrix.html

Note: If this is a first time upgrade from a Meridian SL-100 SuperNode (SN) or SuperNode SE (SNSE) Computing Module to a Communication Server 2100 Compact Core, the *Meridian SL-100 SN/SNSE CM to Compact Core Upgrade Method of Procedure*, 555-4001-213 contains site preparation and Night of Cutover procedures.



List of terms

| | |
|-----------------|---|
| APS | Audio Provisioning Server |
| CA | Call Agent |
| CMT | Communication Server 2000 Management Tools |
| CS | Communication Server |
| CS 2100 | Communication Server 2100 |
| CS LAN | Communication Server LAN |
| IEMS | Integrated Element Management System |
| IOM | Input/Output Module |
| IP | Internet Protocol |
| IPCM | IP Client Manager |
| ENET | Enhanced Network |
| LAN | Local Area Network |
| MAP | Maintenance and Administration Position |
| MAPCI | Maintenance and Administration Position Command Interpreter |
| MC | Message Controller |
| MDM | Multiservice Data Manager |
| MS | Message Switch |
| MS 2010 | Media Server 2010 |
| MS 7480 | Multiservice Switch 7480 |
| MS 15000 | Multiservice Switch 15000 |
| MG 3200 | Media Gateway 3200 |
| MG 3500 | Media Gateway 3500 |
| MG 9000 | Media Gateway 9000 |
| PM | Peripheral Module |
| PVG | Packet Voice Gateway |

18 List of terms

| | |
|--------------|-------------------------------|
| RTP | Real-time Protocol |
| SAM21 | Service Application Module 21 |
| SDM | SuperNode Data Manager |
| STORM | Storage Management |
| UAS | Universal Audio Server |
| VoP | Voice over Packet |

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