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IP MULTIMEDIA SUBSYSTEM RELEASE 07.07.00

SOLUTION EXTERNAL RELEASE NOTES

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About this document



Purpose

The purpose of this document is to provide a general overview of the IP Multimedia Subsystem (IMS) Release 07.07.00 including a list of the network element load versions, IMS network level test results, and known issues to assist service providers with field deployments of IMS Release 07.07.00.

Reason for revision

This is the first issue of the IMS Release 07.07.00 Release Notes document.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 07.07.00 release, its functions, and network elements.

This document can be used by the following audiences:

- Planning and design personnel
- Maintenance personnel
- Management personnel
- System installation and integration personnel

Supported systems

See Chapter 7, System Requirements, for information on systems supported in Release 07.07.00.

Conventions used

There are no special typographical conventions used in this document.

Technical support

For technical support, contact your local Alcatel-Lucent customer support team. See the Alcatel-Lucent Support web site (<http://alcatel-lucent.com/support/>) for contact information.

How to order

This document is available on the Online Customer Support Site (OLCS). To order this document and other Alcatel-Lucent documents, contact your local sales representative or use the OLCS web site (<https://support.alcatel-lucent.com>).

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1 Release components

Overview

Purpose

This chapter describes the software loads that comprise Release 07.07.00 and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise Release 07.07.00. New or changed load names are shown in bold-face type.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS 07.07.00	Load Name in IMS 07.06.01	Load Changed Since IMS 07.06.01?
1300 Cross Management Center (XMC)	R7.0.5.1	R7.0.0.4 + IAP04	Yes
1310 Operations and Maintenance Center – Plus (OMC-P)	OMC-P14_03_01_02	OMC-P14_01_02_00	Yes
1357 Unified Lawful Intercept Suite (ULIS) Lawful Interception Gateway (LIG)	R12.5.1 ed. 2	R12.4.2	Yes
1440 Unified Subscriber Data Server (USDS) (Includes MAS/AHE)	1440_USDS_R8.0_RTS MAS: MAS R28 SU1 Patch (ltmasR28-p0105)	R7.3 SPA: hlr7.3.n04.upd72.01 MAS: ltmasr27-p0207 Then upgrade to: 1440 USDS R7.3 P01 MAS R27 SU2 Patch (ltmasr27-p0214)	Yes
1540 Litespan	R3.2.50	Not Applicable	New
5020 Media Gateway Controller – 8 (MGC-8)	LGP-7-1-0-0 LGP-7-1-0-1	LGP7-0-0-3 SP6	Yes
5100 Converged Messaging System (CMS)	CMS-10SU4 build 4 (1000.40.1.4)	CMS-10SU4 (must be a minimum of build 1000.40.038)	Yes
5420 Converged Telephony Server (CTS)	R20.60.01 Plus R20.60.01.05	R18.28.01.00 Plus Patch: R18.28.01.02	Yes
5420 Personal Communication Manager (PCM)	PCM7.0.0.142	Not Applicable	New
5450 Access Gateway Control Function (AGCF)	AGCF5_1_3R1	AGCF5_1_2R1S2 + AGCF5_1_2R1S2P1	Yes
5450 IP Session Control (ISC)	R20.60.01 Plus R20.60.01.05	R18.28.01.00 Plus Patch: R18.28.01.02	Yes
5450 Access Gateway Control Function (AGCF)	AGCF5_1_3R1	AGCF5_1_2R1S2 + AGCF5_1_2R1S2P1	Yes
5750 Subscriber Services Controller (SSC)	SSC 3.3_R2	SSC 3.1R5 and SAC/CLF 3.1R5	Yes
5900 Media Resource Function (MRF)	MRF7.0.7	MRF7.0.2	Yes
5900 Personalized Ring Back Tone (PRBT)	R3.0	Not Applicable	New

Network Element/Application	Load Name in IMS 07.07.00	Load Name in IMS 07.06.01	Load Changed Since IMS 07.06.01?
7302/7330 Intelligent Services Access Manager (ISAM)-V	R4.1.0.2.406	ISAM-V-R40 R 40.129 Plus R 4.0.0.a (load 40.132)	Yes
7342 Intelligent Services Access Manager (ISAM) Fiber to the User (FTTU)	OLT Build: 4.6.8	Not Applicable	New
7510 Media Gateway (MGW)	7510_R3.2.2 (B01d)	7510 R32_10_23_2009_B01 (for IPv6) A7510_R31N_10_09_2009_B08 (for IPv4)	Yes
7515 SIP-MGW	7515R31S B0110	7515R31S B0110	No
7520 Media Gateway (MGW)	LGP-7-1-0-0 LGP-7-1-0-1	LGP7-0-0-3 SP6	Yes
7750 Service Router	7750_R7.0_R6	7750_R6.0_R9	Yes
8610 Instant Convergent Charging (ICC)	ICCR462MD02	ICCR462MD02	No
8615 Instant enhanced Charging Collection Function (leCCF)	N440 leCCF 27.6 :: MAS R27SU6 patch0601 leCCF 27.6 + MAS R27SU6 patch0601 leCCF 27.6 hotslide0101 T2000, 5440 leCCF r28.0 :: MAS R28SU1 patch0105 Note: no SU to r28.0, must be a new install leCCF 28.0.1:: MAS R28SU1 patch 0108	leCCF 276 Mapdata script leCCF 27.6 hotslide0101	Yes
8660 My TeamWork	V8.1.0.5121	Not Applicable	New
8920 Service Quality Manager (SQM)	R3.7.6.6B	R3.7.6	Yes
8950 Services Activation Manager (SAM)	R17.0.B12	R15.5.5	Yes
Billing and Traffic System (BTS)	BTS_7.1.0.0.27	BTS_7.0.0.0.14	Yes
enhanced Service Manager (eSM) (check w Glenn re Ref Arch)	eSM R27 SU4_PA (R27SU4 P4.1)	eSM R26 SU9	Yes
Fortinet Fortigate Firewall	FGT_5005FA2-v300-build8143-mr5	v3.0.MR5.8108	Yes
Gateway Platform Includes: - 5020 MGC-8 - 7520 MGW	LGP-7-1-0-0 LGP-7-1-0-1	LGP7-0-0-3 SP6	Yes
Genesys SIP Server	R8.0.3.00.44	Not Applicable	New
OXE OmniPCX Enterprise	R9.1 version I1.605.13	R9.0-h1.301-28-b-us-c80s1	Yes

Network Element/Application	Load Name in IMS 07.07.00	Load Name in IMS 07.06.01	Load Changed Since IMS 07.06.01?
VitalQIP® VitalQIP® ENUM Manager See Chapter 7 for an important procedure to enable the correct overload avoidance policy.	VitalQIP R7.2 PR1 DNS R4.2 (BIND 9.5.1-P3) ENUM R1.3	VitalQIP R7.2 DNS R4.1 Build 11 ENUM R1.3	Yes

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

Table 1-2 shows the solution documentation available for IMS Release 07.07.00.

Table 1-2 IMS 07.07.00 solution documentation

Title	Ordering number
<i>IMS Release 07.07.00 Solution Technical Description</i>	275-100-000R07.07.00
<i>IMS Release 07.07.00 Solution Operations, Administration, & Maintenance</i>	275-100-001R07.07.00
<i>IMS Release 07.07.00 Solution Release Notes</i>	275-100-004R07.07.00
<i>IMS Release 07.07.00 Software Upgrade</i>	275-100-035R07.07.00
<i>IMS Release 07.07.00 Interface Changes Specifications</i>	275-100-050R07.07.00
<i>IMS Release 07.07.00 Solution System Parameters</i>	275-100-057R07.07.00
<i>IMS Release 07.07.00 Solution Ports and Protocols</i>	275-100-058R07.07.00
<i>IMS Release 07.07.00 W Solution Growth</i>	275-100-059R07.07.00
<i>IMS Release 07.07.00 Solution Provisioning</i>	275-100-060R07.07.00

See the next section, “To obtain documentation”, for detailed information on how to obtain IMS Solution documentation.

To obtain documentation

IMS Solution and product documentation is available to IMS Solution customers through OnLine Customer Support (OLCS).

To obtain IMS Solution documentation, do the following:

1. Go to (<https://services.support.alcatel-lucent.com/services/ims/>).
2. After a successful login, select **Solution level Manuals and Guides** (for manuals and guides) or **Solution level Release Information** (for release notes and software upgrade documents) under IMS Solution Level Documentation.

To obtain product documentation, do the following:

1. Go to (<https://services.support.alcatel-lucent.com/services/ims/>).
2. After a successful login, select a network element from the **Links to network elements in the IMS Solution** section or use the pull-down in the upper-right corner and select Documentation to get to the Product Index.

2 New features



Overview

Purpose

This chapter lists the features included in Release 07.07.00.

New features

The following features are included in this release:

Table 2-1 Features released in IMS 07.07.00

Feature Number	Feature Title
11111.2	MyTeamWork IMS Ready Testing for IMS9.0/7.7/ICS2.0
11111.3	Genesys IMS Ready testing for IMS9.0/IMS7.7/ICS2.0
11111.4	cIMS IMS Ready testing for IMS7.7
33333.157	Support for additional ISDN BRA Services: CW/MSN
33333.212	IMS Solution Level Software Upgrade Development & Test for IMS 7.6/8.3 to IMS 7.7/9.0 Software Upgrade Path
33333.280	NLT Codenomicon and DOS Testing
33333.281	Element NESSUS & CIS Scanning for IMS Solution
33333.282	Network Element Codenomicon SIP testing
33333.312	Additional Network Element Coverage By The OMC-P
33333.315	IMS 9.0 Geographic Redundancy Solution Level Testing
33333.367	1300 XMC FM/PM Coverage of NEs for IMS 7.7 / 9.0
33333.141	NLT testing for OMC-P on M4000 Hardware
33333.142	NLT testing for BTS on T5440 Hardware
33333.144	NLT testing for IeCCF on T5440
33333.162	IMS 9.0 Priority 1 Network Assurance Improvements
33333.290	IP Peering Border Enhancements
33333.311	ALU access border solution testing - IMS 9.0
33333.314	Distributed IMS Consumer VoIP (CVoIP)

Feature Number	Feature Title
33333.322	IMS Solution: E2E Testing of Common Service Enhancements
33333.323	IMS Solution: Class 5 PSTN Emulation Subsystem Services
33333.324	IMS Solution: E2E Testing of PBX Enhancements
33333.325	IMS Solution: Video Services
33333.334	ALU Media Negotiation Function (Transcoding) Solution
33333.348	IP Architecture IMS 9.0
33333.366	1310 OMC-P FM/PM Coverage of NEs for IMS 7.7 / 9.0
33333.372	Mass Data Migrations Solution testing I:

Functionality

See the specific NE documentation for configuration information.

Enhancements

There are no enhancements in this release other than the features.

3 Test results



Overview

Purpose

This chapter provides information on test execution and pass rates.

Test results/exit criteria

The following table shows the results of the IMS 07.07.00 test program. See Table 6-1 for exceptions.

Table 3-1 NLT test results

Solution	Progress Rate	Quality (Pass Rate)	Exit Criteria Status (Reached/Not Reached)
<i>IMS 07.07.00 Solution Testing</i>	100%	100%	Reached



4 Changes to fault management, ports, protocols, and parameters

Overview

Purpose

This chapter describes fault management changes (interfaces, alarms, and messages), port and protocol, and system parameter changes between Release 07.06.01 and this release.

Interface changes

Changes to Northbound Interfaces

The following documents describe the Northbound interface changes for the 1300 XMC:

- *Alcatel-Lucent 1300 XMC SNMP Alarm Forwarding*, 3BL59971HAAAPCZZA
- *Alcatel-Lucent 1300 XMC Administrator Guide*, 3BL96356HAAAPCZZA (see Chapter 10)

The following document describes the Northbound interface changes for the 1357 ULIS:

- *Alcatel-Lucent 1357 ULIS_R12.5.1_Release Note*, 3BW958470001FMZZA_05

The following document describes the Northbound interface changes for the 5420 CTS:

- *Alcatel-Lucent Control Platform 1800/1000/5400 Charging Interface Specification*, 275-900-393R20.1 (See Chapter 5)

The following document describes the Northbound interface changes for the 5450 ISC:

- *Alcatel-Lucent Control Platform 1800/1000/5400 Charging Interface Specification*, 275-900-393R20.1 (See Chapter 5)

The following documents describe the Northbound interface changes for the 5900 MRF:

- *MRF Statistics Dictionary*, 3AT34450AAAHDTZZA
- *MRF Alarms Dictionary – User Guide*, 3AT34450AAAGDTZZA

The following document describes the Northbound interface changes for the 7510 MGW:

- *Alcatel-Lucent Media Gateways 7510 Release 3.2.2 Generic Release Note Software Build B02A (P6050410) A7510_R322_05_04_2010_B02A*, 3FZ-04909-ADAA-DFZZA

The following document describes the Northbound interface changes for the 7520 MGW:

- *Alcatel-Lucent 1310 OMC-P Release Software Release Notes*, 255-400-402R14.3.1.1

The following document describes the Northbound interface changes for the BTS:

- *Alcatel-Lucent Gateway Platform Release 7.1.0.0.27 Billing and Traffic System (BTS) Release Notes*, 255-400-404R7.1.0.0.27 (See Appendix A)

Changes to Southbound Interfaces

Please consult the NE-specific documentation for southbound interface changes in this release.

Alarm changes

Please consult the NE-specific documentation for alarm changes in this release.

Message changes

Please consult the NE-specific documentation for new messages or changes to messages in this release.

Port changes

The following document describes the port changes for 1310 OMC-P:

- *Alcatel-Lucent 1310 OMC-P Software Release Notes, 255-400-402R14.3.1.1* (See Chapter 5)

The following document describes the port changes for the 1357 ULIS:

- *Alcatel-Lucent 1357 ULIS_R12.5.1_Release Note, 3BW958470001FMZZA_05*

The following document describes the port changes for the 5420 CTS:

- *1310 OMC-P for Alcatel-Lucent Control Platform User Guide for Managing the 5420 CTS & 5450 IP Session Control Function, 255-400-420R14.3.1* (See Chapter 4)

The following document describes the port changes for the 5450 ISC:

- *Alcatel-Lucent Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the port changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.00.00 Solution Ports and Protocols, 275-100-058R09.00.00*

The following document describes the port changes for the 7510 MGW:

- *Alcatel-Lucent Media Gateways 7510 Release 3.2.2 Generic Release Note Software Build B02A (P6050410) A7510_R322_05_04_2010_B02A, 3FZ-04909-ADAA-DFZZA*

The following document describes the port changes for the 7520 MGW:

- *Alcatel-Lucent Gateway Platform Release 7.1.0 Maintenance and Diagnostic Procedures Guide, 255-400-001R7.0.1*

Protocol changes

The following document describes the protocol changes for the 1310 OMC-P:

- *Alcatel-Lucent 1310 OMC-P Software Release Notes, 255-400-402R14.3.1.1* (See Chapter 5)

The following document describes the protocol changes for the 1357 ULIS:

- *Alcatel-Lucent 1357 ULIS_R12.5.1_Release Note, 3BW958470001FMZZA_05*

The following document describes the protocol changes for the 5420 CTS:

-
- *1310 OMC-P for Alcatel-Lucent Control Platform User Guide for Managing the 5420 CTS & 5450 IP Session Control Function, 255-400-420R14.3.1* (See Chapter 4)

The following document describes the protocol changes for the 5450 ISC:

- *Alcatel-Lucent Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the protocol changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.00.00 Solution Ports and Protocols, 275-100-058R09.00.00*

The following document describes the protocol changes for the 7510 MGW:

- *Alcatel-Lucent Media Gateways 7510 Release 3.2.2 Generic Release Note Software Build B02A (P6050410) A7510_R322_05_04_2010_B02A, 3FZ-04909-ADAA-DFZZA*

System parameter changes

The following document describes the system parameter changes for the 1310 OMC-P:

- *Alcatel-Lucent 1301 OMC-P for Alcatel-Lucent Gateway Platform Management User Guide, 255-400-400R14.3.1*

The following document describes the system parameter changes for the 1357 ULIS:

- *Alcatel-Lucent 1357 ULIS_R12.5.1_Release Note, 3BW958470001FMZZA_05*

The following document describes the system parameter changes for the 5420 CTS:

- *Alcatel-Lucent 5420 Converged Telephony System (CTS) Release 7.0 Application User Guide, 275-900-366R7.0* (See Chapter 5)

The following document describes the system parameter changes for the 5450 ISC:

- *Alcatel-Lucent Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the system parameter changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.00.00 Solution System Parameters, 275-100-0587R09.00.00*

The following document describes the system parameter changes for the 7510 MGW:

- *Alcatel-Lucent Media Gateways 7510 Release 3.2.2 Generic Release Note Software Build B02A (P6050410) A7510_R322_05_04_2010_B02A, 3FZ-04909-ADAA-DFZZA*

5 Resolved issues



Overview

Purpose

This chapter describes customer-reported ARs and NLT-reported problems resolved in this release. Since this is the first release of 07.07.00, this chapter does not apply.

Resolved issues

This section lists resolved issues that were previously reported as *Known Issues* in Chapter 6. Table 5-1 lists the severity 1 and 2 issues that were resolved in the loads that are part of this release.

Table 5-1 NLT-Reported severity 1 and 2 open issues - resolved

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description
None					

6 Known issues



Overview

Purpose

This chapter describes NLT-reported issues that remain open in Release 07.07.00.

Known issues and workarounds

As of July 2010, no customer-reported ARs have been opened against this release.

Table 6-1 lists the severity 2 issues that were not resolved in the network element loads that are part of this release.

Table 6-1 NLT-reported severity 2 open issues from IMS 07.07.00

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
ISAM-V	Targeted for IMS9.2	Targeted for R4.1.0.2.xxx	Targeted for R4.1.0.2.xxx.	ip_xform	VGW 3-way Conference call ends when one non controller subscriber goes on-hook	When 7302 ISAM is configured as a VGW, when the controller of the conference is an ISAM VGW user, the call will end if one of the non controller users goes onhook.
OMC-P-LGP	Targeted for IMS9.2 (ICS2.0.1)	Targeted for OMC-P_15.0.0.0	Fixed in OMC-P_15.0.0.0 --	core	The alarms with trouble ID 9810 "BTS CPU utilization crosses thresholds" and 9811 "BTS Memory utilization crosses threshold" can't be displayed on OMC-P.	See exception description column
1300 XMC	Targeted for IMS9.2	Targeted for XMC 7.0.5.2	On track for XMC 7.0.5	core	Not all the performance files for LCP are delivered to XMC.	Workaround: Look at the OMC-P for the correct data.

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
leCCF	Targeted for IMS 9.2	Under investigation	On track	core	The MAS GrowExtNetwork tool does not reconcile the SUBNET value for the case when default values are used.	The GrowExtNetwork prompted with a default netmask value [255.255.255.0] for IP address 135.2.79.70 - both pulled from the config_info file entered via ConfigSW earlier during newinstall1. After entering 'Return' to accept these defaults, the resulting /etc/netmasks file had the following Class B -> C entry: 135.2.0.0 -> 255.255.255.0 Workaround: Create static hosts for the network.
SCG (FSGUI)	Targeted for IMS9.2 (ICS2.0.1)	Targeted for LCP_20.60.0 1.06	Fix is available, patch 20.60.01.06 targeted for w26	core	CTS profile with Database server IP as 0.0.0.0 come up with blank on OMC-P.	When the customer has the SCG with a CTS database server IP of 0.0.0.0, the OMC-P CTS profile database server IP will be blank. They will not be able to update the CTS profile without entering the IP address 0.0.0.0. If they do a synchronization, with the SCG, the IP will be blank again.
leCCF	Under Investigation	Under Investigation	Under Investigation	cvoip_xdsl	ACR Interim rejected with error code 5009 when number of sdp media is 14.	During the call transfer, the MRF plays the ringing tone. When the full list of 14 codecs sent in a 'Diameter AccountingRequest type Interim' towards the leCCF, the ACR transmission to the leCCF fails. Limiting the list of codecs will allow the ACR to be received by the leCCF. Initial tests show a limit of 5 codecs will work.

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
OMC-P-LCP	Targeted for IMS9.2	Targeted for OMC-P 15.0	On track for OMC-P 15.0	cvoip_xdsl	Can not modify sip header rule with update string.	Modification of SIP header rule does not follow TL1 convention. Workaround: LT command format needs to be entered using the following format (strings inside single quotes e.g. 'test123'): ED-SIP-HDRRULE::1-2::updatestring="test123".



7 System requirements

Overview

Purpose

This chapter describes IMS GUI Java dependencies and compatibility restrictions.

Software requirements

IMS GUIs JAVA Installation Dependency

The operation of Java based GUIs on a single PC will be impacted by the installation order. The following sequence should be followed:

1. Remove all 1.5 and 1.6 JREs from the PC.
2. Install the 8950 SAM GUI; JRE 1.6.0_16 will be installed.
3. Install the 1310 OMC-P GUI.
4. Install the VitalQIP GUI.
5. Install the 1300 XMC GUI; JRE 1.5.0_22 will be installed.
6. For Internet Browser GUIs, start each GUI in a separate Internet Explorer so the appropriate JRE is loaded.

SUN Operating System Patch Level for Non-Integrated Components

Table 7-1 shows the SUN OS patch level for non-integrated components.

Table 7-1 SUN OS system patch level for non-integrated components

Network Element	OS Level
VitalQIP Enterprise	Solaris 10 Generic_127111-09
VitalQIP DNS	Solaris 10 Generic_127111-09
1310 OMC-P	Solaris 10 Generic_127111-09
BTS	Solaris 10 Generic_127111-09

VitalQIP DNS configuration modification for overload avoidance

The following procedure must be applied on VitalQIP DNS R4.2 systems to enable the correct overload avoidance policy.

1. Set the option in the qddns block of the Server profile:

```
From E/S GUI-> Infrastructure -> Server -> Select the DNS server ->
choose modify:
    -> select corporate extensions and make sure you have the
    -> following statements in the qddns block
options {
....
    qddns
    {
        udp-socket-rcvbuf 65000; --> this should already be set.
        sync-journal-to-disk no; --> add this line
    };
};
```

2. Save the server profile.
3. Do DNS generation to the screen to check if the above is correctly applied.
4. Do a generation to the server and verify that named.conf has the right statements.
5. Repeat this procedure on adjunct servers.

If you need further information contact your next level of support.

Software licensing keys

This section does not apply to this release. See the specific NE documentation for more information.

Hardware requirements

Specific hardware requirements are addressed by the network element level release notes and documentation.

Compatibility restrictions

Backward compatibility is supported for the IMS solution software upgrade sequence from IMS 07.06.01 to IMS 07.07.00. See the *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 07.07.00 Software Upgrade* document, 275-100-035R07.07.00, and specific NE documentation for more information. The specific upgrade path must be provided by each NE.

8 Installation and upgrade notes



Overview

Purpose

This chapter provides information on installation, upgrade procedures and security hardening.

Performing first-time installation

Contact your Alcatel-Lucent representative for first-time installation assistance.

Performing upgrades

The following solution-level document describes the recommended installation and upgrade sequence for the IMS network elements:

- *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 07.07.00 Software Upgrade 275-100-035R07.07.00*

Refer to the NE documentation for specific software upgrade information.

Upgrade paths

Upgrade to IMS 07.07.00 is supported from IMS 07.06.01. Network Elements may require multiple transitions to go from IMS 07.06.01 to IMS 07.07.00; refer to the specific NE documentation for further details.

Security hardening

Security hardening procedures and information for IMS Release 07.07.00 NEs is available on OLCS at: <https://services.support.lucent.com/services/>. Click on IMS Solutions, then click on Security Hardening IMS Release 07.07.00/09.00.00. From this page, you can click on each NE for security hardening details.

Feature activation

Feature activation is done at the NE-level. Please consult with your Alcatel-Lucent customer support team for more information.

Obtaining and installing third-party software

Contact your Alcatel-Lucent customer support team for more information.

Acronym List



A

AGCF

Access Gateway Control Function

ATCA

Advanced Telecommunications Computing Architecture

AR

Action Register

B

BTS

Billing and Traffic System

C

CMS

Change Management System

CTS

Converged Telephony Server

CVoIP

Consumer Voice over IP

D

DNS

Domain Name System

E

ENUM

tElephone Numbering Mapping

eSM

enhanced Service Manager

F

FS

Feature Server

FTTU
Fiber To The User

G

GUI
Graphical User Interface

H

HSS
Home Subscriber Server

I

ICC
Instant Convergent Charging

leCCF
Instant enhanced Charging Collection Function

IMS
IP Multimedia System

IRC
IP Resource Control

ISAM
Intelligent Services Access Manager

ISC
IP Session Controller

L

LCM
Lucent Communication Manager

LIG
Lawful Interception Gateway

M

MGC
Media Gateway Controller

MGW
Media Gateway

MRF
Media Resource Function

N

NE
Network Element

NLT
Network Level Test

O

OAM
Operations, Administration, Maintenance

OLCS
OnLine Customer Support

OMC-P
Operations and Maintenance Center - Plus

P

PES
PSTN Emulation Solution

PCM
Personal Communication Manager

PRBT
Personalized Ring Back Tone

PSTN
Public Switched Telephony Network

S

SAM
Services Activation Manager

SCG
Service Continuity Gateway

SDM
Subscriber Data Manager

SQM

Service Quality Manager

SSC

Subscriber Services Controller

U

ULIS

Unified Lawful Intercept Suite

USDS

Unified Subscriber Data Server

V

VoIP

Voice over Internet Protocol

VSG

Voice Signaling Gateway

X

XMC

Cross-domain Management Center
