Alcatel-Lucent

INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS) SOLUTION
07.00.04

EXTERNAL RELEASE NOTES

Contents

Contents

About this document

Purpose

The purpose of this document is to provide a general overview of the IP Multimedia Subsystem (IMS) Release 07.00.04, 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 07.00.04.

Reason for reissue

This is the first issue of the IMS Release 07.00.04 Release Notes.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 07.00.04 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 07.00.04.

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.

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1   Release components

Overview

Purpose

This chapter describes the loads that comprise Release 07.00.04 and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise Release 07.00.04. New or changed load names are shown in bold-face type.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS Release 07.00.03	Load Name in IMS Release 07.00.04	Load Changed Since IMS Release 07.00.03?
1300 Cross Management Center (XMC)	R6.2.1.5	R6.2.1.5[1]	No
1357 Unified Lawful Intercept Suite (ULIS)	12.3.2	12.3.2[1]	No
1440 USDS (includes MAS/AHE)	HSS7.2_Patch_01 MAS-R27SU0-p0009	HSS7.2_Patch_01 MAS-R27SU0-p0009	No
5020 MGC-8 (was Lucent Network Controller (LNC), Lucent Signaling Gateway)	LGP 6-3-1-2-SP-7-2	LGP 6-3-1-2-SP-7-2	No
5020 MGC-12	MGCSX30	MGCSX30	No
5060 MGC-10	R1.1.4.1	R1.1.4.1	No
5100 CMS	CMS-1000.1.5.3	CMS-1000.1.5.3	No
5400 IMS Application Server (IAS) (Presence, XDMS) 5410 PS 5410 XDMS	JP1.1.2 XDMS41_SP3 + SP3 patch PS41_SP3 + SP3 patch	JP1.1.2 XDMS41_SP3 + SP3 patch PS41_SP3 + SP3 patch[1]	No
5420 Converged Telephony[2]	R15.25.02.01	**R15.33.00.00**	**Yes**

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[1] Newer loads may be available for this NE. Contact Product Management for more specific information.

Server (CTS; was Lucent Feature Server 5000)	then apply R15.25.02.04	**then apply R15.33.00.02**	
5420 Personal Communication Manager (PCM)	PCM_R1_0_0_559 TP 3.0.4.19	PCM_R1_0_0_559 TP 3.0.4.19[1]	No
5420 Voice Call Continuity Server (VCC)	VCC R8.0.014 IAS 5400 1.1.1.3	VCC R8.0.014 IAS 5400 1.1.1.3	No
5430 MultiMedia Instant Messaging (MMIM)	MMIM4.0 SP1 third delivery	MMIM4.0 SP1 third delivery[1]	No
5440 IMS – PC Client	PC-Client – R3.0.4-v2153-PCM	PC-Client – R3.0.4-v2153-PCM[1]	No
5450 AGCF	AGCF-5-1-0R1S3 then AGCF-5-1-0R1S3P1	AGCF-5-1-0R1S3 then AGCF-5-1-0R1S3P1	No
5450 IP Session Control (ISC; was Lucent Session Manager LSM)	R15.25.02.01 then apply R15.25.02.04	**R15.33.00.00 then apply R15.33.00.02**	**Yes**
5620 Services Activation Manager (SAM)[3]	R5.0R9	R5.0R9	No
5750 Subscriber Services Controller (SSC)	SSC 3.1R5 and SAC/CLF 3.1R5	SSC 3.1R5 and SAC/CLF 3.1R5	No
5900 Media Resource Function (MRF)	R6.3.1	**R6.3.1 plus patches 6245, 6299, 6430, 6441, 7881**	**Yes**
7302 ISAM-V	ISAM-V-R36-112	ISAM-V-R36-112	No
7510 Media Gateway (MGW)	7510 R3.0 B10	**7510 R3.0 B11b**	**Yes**

[2] 5420 CTS R15.33.00.02 is tightly coupled to the 5420 PCM (or LCM) and to the OMC-P network elements. Therefore, if these network elements are present in the configuration, they must be upgraded to the loads specified prior to upgrading the LCP for CTS:
- 1. PCM 1.0.1.588 on JP 1.2.2.1, and
- 2. OMCP 13.0.1.
- 3. LCM R6.3.4_O_Build140
[3] Not tested by NLT as part of IMS 07.00.00.

7515 Media Gateway (MGW)[4]	R2.4	R2.4	No
7520 Media Gateway (MGW) (was Lucent Network Gateway)	LGP 6-3-1-2-SP-7-2	LGP 6-3-1-2-SP-7-2	No
7750 Service Router	R5.0R11	R5.0R11	No
8610 Instant Convergent Charging (ICC)	4.5.2-02, HFRs label ICCGENR452-02-EWS-HF810	4.5.2-02, HFRs label ICCGENR452-02-EWS-HF810	No
8615 Instant enhanced Charging Collection Function (IeCCF)	CCF-R26SU6-0116 MAS-R26SU8 CCF-R26SU6-hotslide0102 MAS-R26SU8-p0807	**N440 Hardware: IeCCF R26SU8 and hotslide0101 MAS-R26SU8 and patch0809 T2000 Hardware: IeCCF 27.3 and hotslide0101 MASR27SU2-p0209[5]**	**Yes**
8670 Generic User Profile (GUP)	GUP-5_0_1R1S3A2	**GUP-5_0_1R1S4**	**Yes**
8950 Vital AAA[6]	R5.2.5	R5.2.5	No
Acme Packet Net-Net EMS[7]	R6.0.0p1	R6.0.0p1	No
Acme Packet Session Director (4250)	C5.1.1p10	**C5.1.1p17**	**Yes**
Audicodes – IPM2K	Audio-Codes-IPM1610_SIP_F5.20A.035.005	Audio-Codes-IPM1610_SIP_F5.20A.035.005	No
Audiocodes – IPM5K[8]	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	No

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[4] Not tested by NLT as part of IMS 07.00.00.

[5] IeCCF R27.3 hotslide0101 with MAS R27SU2-p0209 using T2000 hardware was tested by the IMS 06.01.14 maintenance NLT team.

[6] 8950 Vital AAA was part of the WiMAX business unit lab environment, but not specifically tested as part of IMS 07.00.00.

[7] Not tested by NLT as part of IMS 07.00.00; was tested in 06.01.11.

eSM	eSM R26SU8 (apply the patches sequentially after the base load is installed)	eSM R26SU8 (apply the patches sequentially after the base load is installed)	No
	PA-RISC-eSM-01.26.08.PA	PA-RISC-eSM-01.26.08.PA	
	Itanium – eSM-01.26.08.IA[9]	Itanium – eSM-01.26.08.IA[10]	
	eSM R26SU8 P1	eSM R26SU8 P1	
	eSM R26SU8 P2	eSM R26SU8 P2	
Fortinet Fortigate Firewall	3.00-b0096 (MR4) plus private fixes tested by NLT. FGT_5005FA2-v300-build153-FORTINET was provided as the official load but not tested by NLT	**FGT_5005FA2-v300-build153-FORTINET**	**Yes**
Lucent Communication Manager (LCM)[11]	N/A	R6.3.4_O	No
Lucent Control Platform (LCP) **includes:** - **5420 Converged Telephony Server (CTS; was feature Server 5000)[2]** - **Lucent Feature Server 2500** - **5450 IP Session Control (ISC; was Session Manager)**	R15.25.02.01 then apply R15.25.02.04	**R15.33.00.00** **then apply** **R15.33.00.02**	**Yes**
Lucent Gateway Platform (LGP)	LGP 6-3-1-2-SP-7-2	LGP 6-3-1-2-SP-7-2	No

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[8] Audiocodes – IPM5K was integration-tested with CTS and ISC but was not tested by NLT in IMS 07.00.00.
[9] Itanium version of eSM not tested by NLT.
[10] Itanium version of eSM not tested by NLT.
[11] Not part of generic reference architecture.

Includes: - 5020 MGC-8 (was Lucent Network Controller (LNC), Lucent Signaling Gateway) - 7520 MGW (was Lucent Network Gateway)			
Lucent VPN Firewall (LVF)	9.2.184	9.2.184	No
OMC-P	OMC-P-12.0.2.3	**OMC-P-13.0.1**	**Yes**
Plexus BTS	BTS 6.3.2.0.3	BTS 6.3.2.0.3	No
Security Management Software	R9.2.184	R9.2.184	No
VitalQIP	VitalQIP 7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file)	VitalQIP 7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file)	No
WDDF	WDDF-R3.7.1SU2	WDDF-R3.7.1SU2	No
Westell TriLink™ IMS Gateway Model 6358	Westell_RGBW-02.00.03.02, SW2.0055.17	Westell_RGBW-02.00.03.02, SW2.0055.17	No
Windows Mobile Client	SPE-R6.0 V8.1.6.8	**SPE-R6.0 V8.1.6.11**	**Yes**
Zyxel	MAX210 M1 V3.60 (AKG.0) b21 RUNCOM 206.70.24.26.0.10	MAX210 M1 V3.60 (AKG.0) b21 RUNCOM 206.70.24.26.0.10	No
Zyxel PCMCIA Card (used in PC Client)	ZyXEL PCMCIA MAX100_1.0.4.4	ZyXEL PCMCIA MAX100_1.0.4.4	No

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

Table 1-3 shows the solution documentation available for IMS 07.00.04.

Table 1-3 IMS 07.00.04 solution documentation

Title	Ordering number
IMS Release 07.00.00 Solution Technical Description	275-100-000R07.00.00
IMS Release 07.00.00 Solution Operations, Administration, Maintenance, & Provisioning	275-100-001R07.00.00
IMS Solution Release 07.00.04 Release Notes	275-100-004R07.00.04
IMS Release 07.00.00 Interface Changes Specifications	275-100-050R07.00.00
IMS Release 07.00.00 Solution Software Upgrade	275-100-035R07.00.00
IMS Release 07.00.00 Solution System Parameters	275-100-057R07.00.00
IMS Release 07.00.00 Solution Ports and Protocols	275-100-058R07.00.00
IMS Release 07.00.00 Solution Growth	275-100-059R07.00.00

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 navigate OLCS, do the following:

1. Go to (https://support.lucent.com/portal/productIndexByCat.do).

2. After a successful login, select **Services Collaboration** from the list on the left side of the page.

3. Select **IMS Solutions** from the list in the middle of the page.

From here, you can access the documentation through either the **IMS Solution Level Documentation** section or by selecting a network element from the **Links to network elements in the IMS Solution** section.

2   New features

Overview

Purpose

This chapter lists the features included in Release 07.00.04.

New features

There are no new features in Release 07.00.04.

Functionality

See the specific NE documentation for configuration information.

Enhancements

There are no non-feature enhancements in this release.

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 07.00.04 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)
Core Regression Test	100%	98%	Reached
total	100%	98%	

4   Changes to interfaces, alarms, and messages

Overview

Purpose

This chapter describes changes to interfaces, alarms, and messages in this release.

Interface changes

Changes to Northbound Interfaces

The following solution-level document describes the interface changes for IMS 07.00.00 Network Elements:

* *IP Multimedia Subsystem Release 7.0 Solution Interface Changes Specifications*, 275-100-050R7.0

Changes to Southbound Interfaces

There are no Southbound Interface changes in this release.

Alarm changes

There are no alarm changes in this release.

Message changes

There are no new messages or changes to messages in this release.

5 Resolved issues

Overview

Purpose

This chapter describes customer-reported ARs and NLT-reported problems resolved in this release.

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
1300 XMC	IMS7.0.4	XMC 6.0.3	dup to 877166, targeted for IMS7.1	CPRS	MI->OMCP->XMC alarms do not work from LCP. Need x733 forwarding code on OMCP
5420 VCC	IMS7.0.4	Solved - doc	Solved in IMS 07.00.04	gsm/umts_vcc	WIth IAS55400 R 1.1.1.3, JSR289 Annotation processing default value not good
Westell	IMS7.0.4	Solved - procedural change	Solved in IMS 07.00.04	cdma_vcc	SIP messages from PC Client stop being sent when ALG is configured
8670 GUP	IMS7.0.4	fixed in GUP501 R1S4A1	Solved in IMS 07.00.04	sub_provision	Feature Outgoing call barring not in the acronyms on the GUP
5420 VCC	IMS7.0.4	Solved – doc. change	Solved in IMS 07.00.04	gsm/umts_vcc	WIth IAS55400 R 1.1.1.3, JSR289 Annotation processing default value not good
IWMC	IMS7.0.4	Solved – no change	Solved in IMS 07.00.04	cvoip_wimax	Call Transfer to WM: 488 Not Acceptable Here
IACP	IMS7.0.4	Solved – no change	Solved in IMS 07.00.04	ca_apps	Delivery report not well managed, for both successfull and unsuccessfull case
IACP	IMS7.0.4	R3.1.0-V2168	Solved in IMS 07.00.04	ca_apps	No menu available to read the deferred messages stored in the IM server
5430 IM	IMS7.0.4	Resolved – no change	Resolved in IMS 07.00.04	ca_apps	file transfer from 1 to many doesn't work due to OMA IM SIP/SIMPLE requirement
IACP	IMS7.0.4	R3.0.4-V2194-PCM	Solved in IMS 07.00.04	ca_apps	one of two devices chooses "off line" status : he becomes again "on line"
1300 XMC	IMS7.0.4	6.2.2.2	Solved in IMS 07.00.04	ca_apps	5410 PS News counters are not collected by XMC
1300 XMC	IMS7.0.4	6.2.2.2	Solved in IMS 07.00.04	ca_apps	PS/XDMS on ATCA is not supported by XMC
ACME 4250	IMS7.0.4	5.1.1p17	Solved in IMS 07.00.04	ca_apps	issue on IM chat session: Conf-Id in the contact header overwritten by ACME
IWMC	IMS7.0.4	R6.0 V8.1.6.9	Solved in IMS 07.00.04	ca_apps	interop : WM SPE does not correctly answer to an incoming file transfer from PCC
5420 VCC	IMS7.0.4	Solved - no change	Solved in IMS 07.00.04	gsm/umts_vcc	The snmpd daemon for 5350 does not start and does not use OAM VIP

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description
IWMC	IMS7.0.4	Solved - no change	Solved in IMS 07.00.04	ca_apps	one of two devices chooses "off line" status : he becomes again "on line"
IWMC	IMS7.0.4	R6.0 V8.1.6.11 2	Solved in IMS 07.00.04	ca_apps	WM SPE removes the display names in resource files
5420 VCC	IMS7.0.4	R8.0.014	Solved in IMS 07.00.04	gsm/umts_vcc	If INVITE has multiple Diversion headers and first is not VCC user, VCC doesn't work
5410 XDMS	IMS7.0.4	Resolved - no change	Resolved in IMS 07.00.04	ca_apps	Gzip over HTTP : XDMS doesn't support received zipped file
5420 VCC	IMS7.0.4	VCC 8.0.014	Solved in IMS 07.00.04	gsm/umts_vcc	VCC doesn't support options in P-Asserted-Id URI
5420 VCC	IMS7.0.4	Solved - no change	Solved in IMS 07.00.04	gsm/umts_vcc	If Sh is used, VCC doesn't use the default SCSCF
5420 VCC	IMS7.0.4	VCC 8.0.014	Solved in IMS 07.00.04	gsm/umts_vcc	Inward handover GSM to WiFi doesn't work

6   Known issues

Overview

Purpose

This chapter describes NLT-reported issues that remain open in Release 07.00.04.

Known issues and workarounds

As of July 31, 2008, no customer-reported ARs have been opened against this release.

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

Table 6-1 NLT-Reported severity 1 and 2 open issues from IMS 07.00.00

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
5420 PCM (LCM)	Under investigation	Under investigation	Under investigation	cVoIP	Feature code populated by OMC-P is not auto sync to the PCM	If and end user assigns/changes a service code for a particular service on the PCM and then the service provider assigns the same dial code to the default route table, the service will not work. Two optional workarounds: a) Service providers reserve codes that end-users cannot use. b) Service providers create specific route tables for each of their customer and not assign default services to those customers who have PCM.
USDS	Under investigation	Under investigation	Under investigation	provisioning	Query of PRID fails when the username contains '/'	PRID values containing a "/" cannot be queried/modified/deleted.

Table 6-2 NLT-Reported severity 1 and 2 open issues from IMS 07.00.03

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
USDS	IMS7.1	Under investigation	Under investigation	sub_provision	Extension of an existing PRID with a new D_PRID2PUIDAssoc fails	When creating the same PUID with in a different PRID (SIP forking) via GUP the creation failed with error 'PUID already exists'.
USDS	IMS7.1	Under investigation	Under investigation	sub_provision	Remove PUID2PRIDAssoc fails	If 'create' is fixed (876516) then 'remove' does not work. Workaround = Delete all the data on a subscriber and re-provision.
USDS	IMS7.1	Under investigation	Under investigation	sub_provision	modification of authentication type not possible	Can not change authentication requirement settings on subscribers. To make this change you have to delete the subscriber and re-add them.
1300 XMC	IMS7.1	Under investigation	fixed targeted to XMC-6.2.1.5	core	XMC not receiving alarms from OMC-P	LCP > OMC-P > XMC still an exception. XMC fix provided in XMC-6.2.1.5 (IMS7.1 load). OMC-P fix (878113) is provided in OMC-P R13. Workaround = use LCP > XMC.
8670 GUP	IMS7.1	in GUP501 R1S4A1	on track for 7.1	sub_provision	Roll back of GSP overwrite when PUAP failed	When a PUAP failure happens the GUP will not roll back the GSP overwrite. So the change to GSP will stay changed.
5420 PCM (LCM)	IMS7.1	Under investigation	under investigation	cims_cvoip_xdsl	When no SIP response received, PCM will become busy, can not initiate any call	Seeing an intermittent problem in the NLT lab. When click-to-dial call is denied, timers do not clean up the call so no new calls can be placed. PCM needs to be re-initialized to clean up. PCM team see this only with long duration calls.
5450 AGCF	TBD	targeted for AGCF-511	under investigation	pstn	Agcf rp server core dumps seen during deassignment of agw with 2000 lines	AGCF provisioning issue. AGCF can not deassign blocks of lines. Workaround = Must delete one line at a time or core dumps are seen.

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
8670 GUP	IMS 7.1	Under investigation	On track for IMS 7.1	cvoip_wimax, sub_provision	GUP (cluster) doesn't send SOAP request on Rp interface	Workaround documented in cVoIP over WiMAX solution release letter.
5060 MGC-10	IMS 7.x	Under investigation	Under investigation	gsm/umts_vcc	MGC10 doesn't support FQDN resolution to route SIP messages	Workaround is to create in MGC10 a circuit group with one virtual circuit for each s-cscf / domain connected to this MCG10. Documented in solution VCC release letter
IACP	IMS7.1	Under investigation	Targeted to IMS 7.1	ca_apps	File Transfer of big file where originator is not the one opening the session does not work	More than 1 Mbytes file transfer does not work in the case file transfer is not initiated by the originator.
IWMC	None	Under investigation	Under investigation	cvoip_wimax	"Reminder call" service not working	No plan to support Call Reminder
5420 VCC	IMS 7.x	Under investigation	Under investigation	gsm/umts_vcc	MAS alarms are cleared after 5s even if problem remains	Alarms management unconsistent

Table 6-3 NLT Severity 1 and 2 open issues from IMS 07.00.04

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
IWMC	IMS7.1		under investigation	ca_apps	prob in header from in OK of the Notfity (event conference)	during a chat session we don't see people in the conference
IWMC	IMS7.1		under investigation	ca_apps	prob in SDP of the INVITE during a file transfer	File transfer interworking WM-PCC; can't read the file transfered by WM
IWMC	IMS7.1		under investigation	ca_apps	presence of PCC not set on WM	Presence interworking WM-PCC; WM user doesn't see a PCC user
IWMC	IMS7.1		under investigation	cims_ca_apps	No REPORT message send at the end of the transfer message	File transfer interworking WM-PCC; session not closed on PC Client side

7   System requirements

Overview

Purpose

This chapter describes IMS GUI Java dependencies and compatibility restrictions.

Software requirements

IMS GUIs JAVA Dependency

Table 7-1 shows IMS GUIs with Java installation dependencies (listed in order of installation sequence).

Table 7-1 IMS GUIs with Java installation dependencies

LCP MI GUI	Java installed per link provided during initial start of MI GUI (Java 1.5.0_06)
XMC GUI	Java installed per link provided during initial start of MI GUI (Java 1.5.0_15)
ICC GUI	Java installed per link provided during initial start of MI GUI (Java 1.5.0_15)

The following NE GUIs do not have Java dependencies: FS GUI (5420 CTS, 5450 ISC), OMC-P (Plexview), 8670 GUP, 5450 AGCF, 5900 MRF, 5420 PCM Platform.

SUN Operating System Patch Level for Non-Integrated Components

Table 7-2 shows the SUN OS patch level for non-integrated components

Table 7-2 SUN OS system patch level for non-integrated components

Network Element	OS Level
LSMS	Solaris 10 Generic_127111-09
5450 AGCF	Solaris 10 Generic_125101-10
VitalQIP Enterprise	Solaris 10 Generic_127111-09
VitalQIP DNS	Solaris 10 Generic_127111-09
OMC-P	Solaris 10 Generic_127111-09
BTS	Solaris 10 Generic_127111-09

Hardware requirements

The 8615 IeCCF is available in this release with T2000 hardware.

Compatibility restrictions

Backward compatibility is supported for the IMS solution software upgrade sequence from IMS 06.01 to IMS 07.00.04. See the *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 07.00.00 Software Upgrade* document, 275-100-035R07.00.00, 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/paths

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 07.00.00 Software Upgrade* 275-100-035R07.00.00

Security hardening

Security hardening procedures and information for IMS Release 07.00.00 NEs are on OLCS. Go to: https://services.support.lucent.com/services/, click on IMS Solutions, then click on Security Hardening IMS Release 07.00.00. From this page, you can click on each NE for security hardening details.

Acronym List
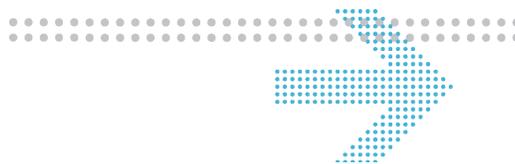
A

AAA
Authentication, Authorization, Accounting

ABN
Access Border Node

AGCF
Access Gateway Control Function

ATCA
Advanced Telecommunications Computing Architecture

AGW
Access Gateway

AHE
Application Hosting Environment

AR
Action Register

B

BTS
Billing and Traffic System

C

CALEA
Communications Assistance for Law Enforcement Agency

CCF
Charging Collection Function

CDMA
Code Division Multiple Access

CDR
Call Detail Record

CGF
Charging Gateway Function

CMS
Change Management System

CPE
Call Processing Equipment

CSCF
Call Session Control Function

CTS
Converged Telephony Server

CVoIP
Consumer Voice over IP

CW
Call Waiting

D

DNS
Domain Name System

DSL
Digital Subscriber Line

E

E2E
End to End

eCCF
enhanced Charging Collection Function

EMS
Element Management System

ENUM
Telephone Numbering Mapping

eSM
Enhanced Services Manager

F

FS2500
Feature Server 2500

FS5000

Feature Server 5000 (FS5K)

G

GPRS

General Packet Radio Service

GSM

Global System for Mobile Communications

GUI

Graphical User Interface

GUP

Generic User Profile

I

IAS

IMS Application Server

ICC

Instant Convergent Charging

IeCCF

Instant enhanced Charging Collection Function

IMS

IP Multimedia System

ISC

IP Session Control

ISAM-V

Intelligent Services Access Manager - V

ISDN

Integrated Service Digital Network

ISG

Intelligent Services Gateway

IWMC

IMS Windows Mobile Client

L

LCP
Lucent Control Platform

LIG
Lawful Intercept Gateway

LNC
Lucent Network Controller

LVF
Lucent Virtual private network Firewall

LSM
Lucent Session Manager

M

MAS
MiLife Application Server

MGC
Media Gateway Controller

MGCF
Media Gateway Control Function

MGW
Media Gateway

MMIM
MultiMedia Instant Messaging

MRF
Media Resource Function

N

NE
Network Element

NLT
Network Level Test

O

OAM
Operations, Administration, Maintenance

OLCS
OnLine Customer Support

OMC-CN
Operations and Maintenance Center – Core Network

OMC-H
Operations and Maintenance Center – Home Location Register and Home Subscriber Service

OMC-P
Operations and Maintenance Center – Plexus

P

PCM
Personal Communication Manager

PNA
Private Network Access

PS
Presence Server

PSTN
Public Switched Telephony Network

PSI
Public Service Identity

S

SAM
Service Activation Manager

SIP
Session Internet Protocol

SMS
Security Management Server

SOAP
Simple Object Access Protocol

SSC
Subscriber Services Controller

T

TISPAN
Telecom Internet converged Service & Protocols for Advanced Networks

U

ULIS
Unified Lawful Intercept Suite

UMTS
Universal Mobile Telecommunications System

USDS
Unified Subscriber Data System

V

VCC
Voice Call Continuity

VitalAAA
Vital Authentication Authorization Accounting

VoIP
Voice over Internet Protocol

VPN
Virtual Private Network

W

WDDF
Wireless Data Delivery Function

WiMAX
Worldwide Interoperability of Microwave Access

WM
Windows Mobile

X

XDMS
XML Document Management Services

XMC
Cross-domain Management Center