



Alcatel-Lucent

INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS) SOLUTION
06.01.15A

EXTERNAL RELEASE NOTES

Alcatel-Lucent
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275-100-
004R06.01.15A
FEBRUARY 2009
ISSUE 1

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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 06.01.15a, 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 06.01.15a.

Reason for reissue

This is the first issue of the IMS Release 06.01.15a Release Notes.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 06.01.15a 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

IMS Release 06.01.15a is a maintenance release update for IMS Release 06.01. NLT solution testing for this release was performed on the IMS CVoIP application.

Conventions used

There are no special typographical conventions used in this document.

Technical support

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1 Release components

Overview

Purpose

This chapter describes the loads that comprise Release 06.01.15a and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the Network Elements and loads that comprise Release 06.01.15a. New or changed load names are shown in bold-face type.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS 06.01.14c	Load Name in IMS 06.01.15a	Load Changed Since IMS 06.01.14c?
2Wire RBGWs¹	5.29.15-eval3	5.29.135.29	Yes
1300 Cross Management Center (XMC)	R6.2.0.3	R6.2.0.3	No
1440 USDS (Includes MAS/AHE)	USDS-04.03.71.18 MAS-R26SU6-p0617 SPA HCF710 SPA HDF710	USDS-04.03.71.18 MAS-R26SU6-p0617 SPA HCF710 SPA HDF710	No
5020 MGC-8 (was Lucent Network Controller (LNC), Lucent Signaling Gateway)	6.3.0.4.SP7	6-3-0.4.SP14	Yes
5020 MGC-12	R2.2.7.13	R2.2.7.13	No
5100 CMS (AnyPath)	AnyPath-R8.2-SU4	AnyPath-R8.2-SU4	No
5350 IMS Application Server (IAS) (Presence, XDMS)	R4.0 SP3.2 + Patches	R4.0 SP3.2 + Patches	No
5440 IMS-PC Client	IMS-PC-Client-R1.3.4-Mtce-v1713	IMS-PC-Client-R1.3.4-Mtce-v1713	No
5450 AGCF	AGCF5_0_0R1S3	AGCF5_0_0R1S3	No
5420 Voice Call Continuity Server (VCC)	SCR 3.1 0R1S1A16 (1.1.1.28)	SCR 3.1 0R1S1A16 (1.1.1.28)	No
5430 Session Resource Broker (SRB)	3.1.1R1P5	3.1.1R1P5	No
5750 Subscriber Services Controller (SSC)	SSCR3.0R1	SSCR3.0R1	No

¹ Please contact 2Wire for software and documentation. Alcatel-Lucent does not warranty this product.

Network Element/Application	Load Name in IMS 06.01.14c	Load Name in IMS 06.01.15a	Load Changed Since IMS 06.01.14c?
5900 MRF	6.3.1 Required Patches:5990, 6245, 6299, 6360, 6430, 6968, 6976, 7034, 7041, 7591, 7622, 7637, 7881 Previous patches made obsolete by above patches: 6441, 7270 Annlab 4.4.13 MCDP Rel 1.2_Patch12	6.3.1 Required Patches: 5990, 6245, 6299, 6360, 6430, 6968, 6976, 7034, 7041, 7591, 7622, 7637, 7881 Previous patches made obsolete by above patches: 6441, 7270 Annlab 4.4.13 MCDP Rel 1.2_Patch12	No
7302 ISAM-V	R3.4.01	R3.4.01	No
7302 ISAM-V for Manx ²	ISAM3.3.02c	ISAM3.3.02c	No
7510 MGW	R2.6	R2.6	No
7520 MGW (was Lucent Network Gateway)	6.3.0.4.SP7	6.3.0.4.SP14	Yes
7720 Access Border Node (ABN)	R33_04_001-B Reefpoint IQ : IMS 1.2.2.2-QA 29	R33_04_001-B Reefpoint IQ : IMS 1.2.2.2-QA 29	No
8640 Corporate Mobility Manager (CMM)	CMMGEN50-02/05	CMMGEN50-02/05	No
8615 leCCF (was Surepay CCF)	N440 – eCCF R26SU5-hotslide0103 leCCF R26SU5-esm-service-hotslide0101 spa ECCF265 MAS R26SU7-p0701 (ltmasr26-p0701) T2000 – leCCF R27SU3 (Base) leCCF R27SU3-hotslide0101 spa ECCF268 MAS R27SU2-p0209 (ltmasr27-p0209)	N440 – eCCF R26SU5-hotslide0103 leCCF R26SU5-esm-service-hotslide0101 spa ECCF265 MAS R26SU7-p0709 (ltmasr26-p0709) T2000 – leCCF R27SU3 (Base) leCCF R27SU3-hotslide0101 spa ECCF268 MAS R27SU2-p0209 (ltmasr27-p0209)	Yes
8670 GUP (was 1390 GUP)	UPP4.3.1.R1S1P1 ENSUPP4.3.1.R1S1P1	UPP4.3.1.R1S1P1 ENSUPP4.3.1.R1S1P1	No
8680 Video voice Mail Box	3.0.04 patch012	3.0.04 patch012	No
8950 Vital AAA ³	VitalAAA-5.2.2	VitalAAA-5.2.2	No
Acme Packet Net-Net EMS	EMS 6.0.0 GA	EMS 6.0.0p3	Yes

² Not part of the generic reference architecture.

³ 8950 Vital AAA was part of the WiMAX BU lab environment but not specifically tested by IMS 06.01.15 NLT.

Network Element/Application	Load Name in IMS 06.01.14c	Load Name in IMS 06.01.15a	Load Changed Since IMS 06.01.14c?
Acme Packet Session Director (4250)	C5.0.0p24	C5.0.0p24	No
Acme Packet Session Director (9200)	D5.1.0p3	D5.1.0p3	No
Audiocodes – IPM2K	Audio-Codes-IPM1610_SIP_F5.00A.03 2.003 Audio-Codes for Compact IMS – 5.20A.015.004	Audio-Codes-IPM1610_SIP_F5.00A.03 2.003 Audio-Codes for Compact IMS – 5.20A.015.004	No
Audiocodes – IPM5K ⁴	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	No
Dorado ⁵	5.3.8.1	5.3.8.1	No
eMRS ⁶	eMRS-R25SU9-b0911 (ltcsnr25-b0911) IPMS-255 IPMS-253to255-SPAFU CALEA-251 CALEA-250to251-SPAFU	eMRS-R25SU9-b0915 (ltcsnr25-b0915) IPMS-255 IPMS-253to255-SPAFU CALEA-251 CALEA-250to251-SPAFU	Yes
eSM	PA-RISC-eSM eSM-01.26.06 P9 Itanium - eSM ⁷ : eSM-01.26.06 P9	PA-RISC-eSM eSM-01.26.06 P9 Itanium - eSM ⁸ : eSM-01.26.06 P9	No
5400 Intelligent Services Gateway (ISG)	ISG-08.00.00.05 svc-ISGD-800 svc-FW-800 svc-FWD-800 svc-CDBMON-800 svc-CCSIP-800 svc-ISG-800 MAS-R26SU4-p0423 (ltmasnr26-0423)	ISG-08.00.00.06 svc-ISGD-800 svc-FW-800 svc-FWD-800 svc-CDBMON-800 svc-CCSIP-800 svc-ISG-800 MAS-R26SU4-p0423 (ltmasnr26-0423)	Yes
Intelliviv Client	Intelliviv 1.2.0.3000	Intelliviv 1.2.0.3000	No
Lucent Control Platform (LCP) Includes: - 5420 CTS (was Lucent Feature Server 5000) - Lucent Feature Server 2500 - 5450 ISC (was Lucent Session Manager, LSM)	R14.28.00.00 Then apply patch R14.28.00.02	R14.28.00.06	Yes

⁴ Audiocodes – IPM5K was integration tested with CTS and ISC, but it was not tested by NLT in IMS 06.01.15.

⁵ Not part of the generic reference architecture.

⁶ Not part of the generic reference architecture. It will only be used in certain existing customer configurations.

⁷ Itanium version of eSM is not tested by NLT.

⁸ Itanium version of eSM is not tested by NLT.

Network Element/Application	Load Name in IMS 06.01.14c	Load Name in IMS 06.01.15a	Load Changed Since IMS 06.01.14c?
Lucent Communication Manager (LCM)	6.3.4.N_139 Red Hat Linux Version 3 update 8	6.3.5_GA Red Hat Linux Version 3 update 8	Yes
Lucent Network Gateway for solutions with a Lucent Control Platform-based MGCF	Plexus_WAG-6131.C133.0.0	Plexus_WAG-6131.C133.0.0	No
Lucent Security Management Software (LSMS)	9.1.308	9.1.308	No
Lucent VPN Firewall (LVF)	9.1.308	9.1.308	No
OMC-CN	R3.0 SU5	R3.0 SU5	No
OMC-H	R07.05.01.06.16	R07.05.01.06.16	No
OMC-P	12.0.2.04	13.0.2.02	Yes
Plexus BTS	6.3.1.0.9 TCA 2.0.0.116	6.3.1.0.9 TCA 2.0.0.116	No
PCTel ⁹	PCTel-V2.00.23	PCTel-V2.00.23	No
Riverstone (Lucent Ethernet Router)	For 15100, 200 series R1.5.1.2-N -For 15800 series: R1.5.0.7-SA01 or R1.5.0.8-SA01 -For 3100 series: V9.4.1.6 (for support of trials only)	For 15100, 200 series R1.5.1.2-N -For 15800 series: R1.5.0.7-SA01 or R1.5.0.8-SA01 -For 3100 series: V9.4.1.6 (for support of trials only)	No
SS8 WDDF (Lawful Intercept Gateway)	3.7.1 SU03 3.7.1 SU04	3.7.1 SU03 3.7.1 SU04	No
VCC Light CAMEL Gateway (LCGW)	OSP platform: R2.4.2 + LCGW 1.0	OSP platform: R2.4.2 + LCGW 1.0	No
VitalQIP	VitalQIP R7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file) Solaris 9 kernel 122300-26 (05/08)	VitalQIP R7.1 DNS R4.0 Build 25 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file) Solaris 9 kernel 122300-26 (05/08)	Yes
VitalSuite® Services Activation Manager (SAM)	R15.0	R15.0	No
VitalSuite® Voice Activation Manager (VAM) ¹⁰	R13.0, Nov. Patch	R13.0, Nov. Patch	No
Westell TriLink™ Gateway Model 427V A99-427V30a-00	Westell_RBGW-01.00.12.01, sw2.0053.25.01	Westell_RBGW-01.00.12.01, sw2.0053.25.01	No

⁹ Trial only¹⁰ Not part of the generic reference architecture.

Network Element/Application	Load Name in IMS 06.01.14c	Load Name in IMS 06.01.15a	Load Changed Since IMS 06.01.14c?
Windows Mobile Client	WM-Client-PPC-R4.1-V8.0.4.5	WM-Client-PPC-R4.1-V8.0.4.5	No
Zyxel	ZyXEL CPE Rev2 Mother Board MAX210M1_360AKG0b16_20080417 RUNCOM 206.70.24.26 for 3.5ghz or ZyXEL CPE Rev2 Mother Board MAX200M1_360AKG0b16_20080417 RUNCOM 206.70.24.26 for 2.5ghz	ZyXEL CPE Rev2 Mother Board MAX210M1_360AKG0b16_20080417 RUNCOM 206.70.24.26 for 3.5ghz or ZyXEL CPE Rev2 Mother Board MAX200M1_360AKG0b16_20080417 RUNCOM 206.70.24.26 for 2.5ghz	No
Zyxel PCMCIA card (used in PC client)	ZyXEL PCMCIA MAX100_1.0.4.4	ZyXEL PCMCIA MAX100_1.0.4.4	No

NE to Solution mapping

Not applicable for this release. Only the IMS CVoIP application was tested by NLT in IMS Release 06.01.15a.

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

For the latest solution documents, please use the Release 06.01.09 versions.

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 06.01.15a.

New features

The following features are included in this release.

Table 2-1 New features

FID Number	FID Title
33333.114	Synch Solution testing for CVOIP
33333.117	LCM 6.3.5 on x2100 m2 hardware for CVOIP
33333.131	End to End provisioning performance testing for multiple LCM clusters and multiple FS5k clusters

Functionality

Support for the following functionality was verified in IMS 06.01.15a:

- OMC-P/LCM Sync Improvements in Phase 1 in OMC-P R13 and LCM 6.3.5
- Multiple LCM with Multiple FS5K

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 06.01.15a solution test program.

Table 3-1 NLT Test Results

Solution	Progress Rate	Quality (Pass Rate)	Exit Criteria Status (Reached/Not Reached)
<i>Upgrades</i>	100%	97.5%	Reached
<i>Regression</i>	100%	95.1%	Reached
<i>OMC-P/LCM Sync Improvements in Phase 1 in OMC-P R13 and LCM 6.3.5</i>	100%	100%	Reached
<i>Multiple LCM w/Multiple FS5K</i>	100%	93.1%	Criterion will be met in IMS 06.01.15b
<i>total</i>	100%	96.1%	Reached

See Table 6-1 for exceptions.



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

OMC-P Releases 13.0 includes changes to the Northbound Interface from OMC-P Release 12.0.2.04.

- See *OMC-P Software Release Notes*, 255-400-402R13.0.2.2, Section 5, Changes to interfaces, alarms, and messages, for more details.
- *OMC-P Web API User Guide*, 255-400-419R13.0, Appendix G, OMC-P North Bound SOAP XML Interface, for more details.

LCM Release 6.3.5 includes changes to the Northbound Interface from Release 6.3.4.

- See *LCM Release 6.3.5 Release Notes*, 255-490-002R6.3.5, Section Interface changes for 6.3.5, for more details.

Changes to Southbound Interfaces

There are no Southbound Interface changes in this release.

Alarm changes

The following Network Elements have alarm changes for this release:

- OMC-P - See *OMC-P Software Release Notes, 255-400-402R13.0.2.2, Section 5, Changes to interfaces, alarms, and messages*, for more details.
- LCM – See *LCM Release 6.3.5 Release Notes, 255-490-002R6.3.5, Section Interface changes for 6.3.5*, for more details.
- Lucent Gateway Platform (LGP)
 - The LGP (Plexus) platform modified the following alarms:
 - 90 telicaAlmFamEvtMemoryThreshold (severity was changed from minor (4) to major (3))
 - 1442 telicaAlmxmgrIntVccEpTxDwn (severity was changed from minor (4) to critical (2))
 - 1531 telicaAlmvsmIntAal2CoutDrop (severity changed from minor (4) to critical (2))
- 5450 ISC (Lucent Session Manager - LSM)
 - The LSM platform introduces the following new alarms:
 - LSS_lispBufferFullExternalLIG
 - LSS_lispBufferFullILIDF

See *Lucent Control Platform Release 14.28.00.06 External Release Notes, 275-900-312R14.28.00.06*, for more details.

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 the NLT-reported problems and software-related customer-reported ARS escalated to NLT, that are resolved in IMS Release 06.01.15a.

Table 5-1 NLT-reported problems resolved in IMS release 06.01.15a

NE	Abstract	Resolution
OMC-P & LCP	IMS_NLT_Prov: OMC-P ed-ngfs (modify) takes > 70 sec during E2E test	Software fix provided in OMC-P 13.0.2
LCM	IMS_NLT_Prov:LCM: No Service nor GUI connections on site failure & quarantine	Software fix provided in LCM 6.3.5
LCM & OMC-P	IMS_NLT:LCM response to OMC-P quarantine update not sent within OMC-P timeout	Software fix provided in OMC-P 13.0.2 and LCM 6.3.5
OMC-P & LCP	IMS_NLT_Prov: OMC-P 3.5 sec gap in SouthBound activity after final Delete response	Software fix provided in OMC-P 13.0.2

Table 5-2 Customer-reported ARs resolved in IMS release 06.01.15a

AR	NE	Sev	Short Description
1686501	OMC-P	4	OMC-P IP Filter rules not displaying correctly for ipHdrPrctl and pfpPrfld fields
1902215	OMC-P	2	Cannot synchronize LCM in OMC-P after 11_00_01_02 upgrade
1940367	OMC-P	2	OMC-P GR replicate_data full command failed at Step 10
1940454	OMC-P	2	When GR Fails during Step 10, files continue to be copied from Primary to Mate
1941748	OMC-P	3	Problems with the insertion of point codes
1945993	OMC-P	2	OMC-P GUI Passwords displayed as plain text
1977719	OMC-P	3	OMC-P has incorrect default setting for SDPPRFL parameter on ISUP trunk groups
1972855	OMC-P	3	OMC-P shows DNSCACHETTL in seconds but per LGP TL1 Command manual this should be in minutes
1972858	OMC-P	2	ALU Specified LCM update transaction for FS5K Migration Fails
2031512	OMC-P	2	Static Sync Failed in OMC-P Part of Data Sync Test
2083355	OMC-P	2	Data Sync Start Fails on First Attempt
2032940	LCM	3	LCM security hardening undone in Patch 139
1964479	LCM	2	OMC-P to LCM sync design issue
1814856	LCM	2	LCM does not log idle session timeouts
1950843	LCM	2	OMC-P is timing out with the LCM
2054713	LCM	3	Annex of new D-Node servers was met with errors
2106044	LCM	4	LCM global value expire_logs_days should default as 30
2025892	LSM	2	LSM still has memory leak following upgrade
2025574	LSM	2	CALEA inbound and outbound continues to ring after CANCEL
1900041	FS5K	3	FS5K disconnects stable call during recovery from a geographic failure
2009850	FS5K	2	FS5K R14.28.00.02 Static Sync Failed
1944880	FS5K	2	DataSync/Static Sync fail during UnQuarantined
1805745	eMRS	3	Expired password on eMRS locks account w/out user ability to reset
1809521	eMRS	2	eMRS idle session timeout does not work if session left idle in subshl
1934783	ISG	3	Both ISGs are sending a "callLegEnded" parlay message
1982662	ISG	3	Not able to receive 408 from the ISG for IPTV when the interface is down

AR	NE	Sev	Short Description
1998685	ISG	3	Extra Service Manager IDs on ISG
2024023	Acme EMS	2	Acme EMS Rediscovery Failing to All Acme SD's
1864077	LGP	3	Update to T-Name timer value
1819583	LGP	2	Freezing of User Accounts
1819683	LGP	2	Unsuccessful Login attempts
2110331	LGP	3	TL1 login knocked out after only a few seconds - connection not staying open
2034519	LGP	2	LSG /LNC link reports M3UA Down
1997333	LGP	3	simultaneous ring problems with billing
2051814	LGP	3	Cannot update Bearer capability in IAMs

6 Known issues



Overview

Purpose

This chapter describes NLT- and customer-reported issues that remain open in IMS Release 06.01.15a.

Known issues and workarounds

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

NE	Abstract	Impact Statement / Workaround
5900	Geo-Red support for 5900 only work if both IMS sites have same DNS domain	Issue raised to Architecture and Systems Engineering; No impact to any existing IMS customer.
5900	MRF5900 Annlab and MCDP GUI requirement different JRE versions	Future Annlab release will support Java 1.5. Workaround: use Exceed and Xwindow access method of Annlab, or separate PCs for Annlab and MCDP GUIs.
LCM	LCM addUser transactions become slower for a mixed LCM V20Z/X2100M2 system as number for subscribers grow.	LCM addUser transactions slow approximately 150ms per 100K subscribers. Work around-Introduce an index to the ""fs5000_call_service_point_public_ids" table in the MySQL database of each LCM database segment
LCM	When Pri-FS5K is in quarantine - no LCM service for subs from OMCP Add/Mod trans	This issue affects only LCM user accounts that are added or modified while the primary CTS instance is under quarantine. The LCM services for these subscriber accounts will not be functional for CTS related capabilities until either the primary CTS instance is removed from quarantine or the LCM system is restarted.
5420 CTS	After Geo-red test -fail back primary site, LCM failed to connect to TAS blade due to missing dns entry for fsmgroup after lock/unlock of TAS blade	Work around: stop and restart the dns_actuator process on FS5K CNFG server.

Table 6-2 Customer-reported severity 1 and 2 ARs remaining open in IMS release 06.01.15

AR	NE	Sev	Short Description	Target NE Load
			Details to be provided in Release 06.01.15b Release Notes	



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

Acme Packet Net-Net EMS	Java 1.5.0_14
OMC-H client	Java 1.5.0_15
OMC-CN client	Java 1.4.2_17
LCM Admin GUI	Java 1.5.0_15
LCP MI GUI	Java 1.5.0_15
XMC GUI	Java 1.5.0_7 and Java 1.4.2_13
5900 MRF MCDP Alarm GUI	Java 1.5.0_16

The 5900 MRF Anmlab GUI version 4.4.13 should be installed on a separate PC with Java Web Start version 1.3 and Java 1.5.0_16.

Table 7-2 shows IMS GUIs with no Java installation dependencies.

Table 7-2 IMS GUIs with no Java installation dependencies

OMC-P client	embedded in OMC-P SW load (Java 1.5.0_07)
eSM	uses existing PC Java plug-ins (Java 1.4.x or 1.5.x)
LSMS	uses existing PC Java plug-ins (Java 1.4.x or 1.5.x)
VitalQIP	not applicable

SUN Operating System Patch Level for Non-Integrated Components

Table 7-3 shows the SUN OS patch level for non-integrated components.

Table 7-3 SUN OS system patch level for non-integrated components

Network Element	OS Level
LSMS	Solaris 9 Kernel 122300-26 (0508)
Dorado	Solaris 9 Kernel 122300-26 (0508)
Acme EMS	Solaris 9 Kernel 122300-26 (0508)
VitalQIP Enterprise	Solaris 9 Kernel 122300-26 (0508)
VitalQIP DNS	Solaris 9 Kernel 122300-26 (0508)
OMC-P	Solaris 9 Kernel 122300-26 (0508)
BTS	Solaris 9 Kernel 122300-26 (0508)

Hardware requirements

There are no specific hardware requirements for this release.

Compatibility restrictions

Backward compatibility is supported for the IMS solution software upgrade sequence from IMS 06.01.14c to IMS 06.01.15a. See the *IMS Solution Release 06.01 Solution Software Upgrade* document, 275-100-035R06.1, 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:

- *IMS Solution Release 06.01 Solution Software Upgrade 275-100-035R06.01*

Security hardening

There is no specific information for this release.

Acronym List



A

AAA
Authentication, Authorization, Accounting

ABN
Access Border Node

AGCF
Access Gateway Control Function

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

CMM

Corporate Mobility Manager

CMS

Change Management System

CPE

Call Processing Equipment

CSCF

Call Session Control Function

CTS

Converged Telephony Server

CVoIP

Consumer Voice over IP

D

DNS

Domain Name System

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

GUI

Graphical User Interface

GUP

Generic User Profile

GPRS

General Packet Radio Service

I

IAS

IMS Application Server

ICC

Instant Convenient Charging

leCCF

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

L

LCM

Lucent Communication Manager

LCP

Lucent Control Platform

LIG

Lawful Intercept Gateway

LNC

Lucent Network Controller

LVF

Lucent Virtual private network Firewall

LSM

Lucent Session Manager

LSMS

Lucent Security Management Software

M

MAS

MiLife Application Server

MGC

Media Gateway Controller

MGCF

Media Gateway Control Function

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-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

Services Activation Manager

SIP

Session Internet Protocol

SMS

Security Management Server

SOAP

Simple Object Access Protocol

SRB

Session Resource Broker

SSC

Subscriber Services Controller

T

TPH
Transactions Per Hour

U

ULIS
Unified Lawful Interception 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

X

XMC
Cross-domain Management Center
