



# Alcatel-Lucent

INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS) SOLUTION  
06.01.13

EXTERNAL RELEASE NOTES

**Alcatel-Lucent**  
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# Contents



<b>About this document</b>	<b>v</b>
Purpose.....	v
Reason for reissue .....	v
Intended audience.....	v
Supported systems.....	v
Conventions used .....	v
Technical support.....	v
How to order .....	vi
How to comment .....	vi
<b>1 Release components</b>	<b>1-1</b>
Overview .....	1-1
Purpose.....	1-1
Software deliverables .....	1-2
NE to Solution mapping.....	1-6
How to obtain software .....	1-6
Document deliverables.....	1-6
To obtain documentation.....	1-6
<b>2 New features</b>	<b>2-1</b>
Overview .....	2-1
Purpose.....	2-1
New features.....	2-1
Functionality .....	2-2
Enhancements .....	2-2
<b>3 Test results</b>	<b>3-1</b>
Overview .....	3-1
Purpose.....	3-1
Test results/exit criteria .....	3-2
<b>4 Changes to interfaces, alarms, and messages</b>	<b>4-1</b>
Overview .....	4-1
Purpose.....	4-1

	Interface changes .....	4-1
	Changes to Northbound Interfaces.....	4-1
	Changes to Southbound Interfaces.....	4-1
	Alarm changes .....	4-1
	Message changes.....	4-1
<b>5</b>	<b>Resolved issues</b>	<b>5-1</b>
	Overview .....	5-1
	Purpose.....	5-1
	Resolved issues .....	5-2
<b>6</b>	<b>Known issues</b>	<b>6-1</b>
	Overview .....	6-1
	Purpose.....	6-1
	Known issues and workarounds.....	6-2
<b>7</b>	<b>System requirements</b>	<b>7-1</b>
	Overview .....	7-1
	Purpose.....	7-1
	Software requirements .....	7-1
	IMS GUIs JAVA Dependency.....	7-1
	SUN Operating System Patch Level for Non-Integrated Components.....	7-2
	Hardware requirements.....	7-3
	Compatibility restrictions.....	7-4
<b>8</b>	<b>Installation and upgrade notes</b>	<b>8-1</b>
	Overview .....	8-1
	Purpose.....	8-1
	Performing first-time installation.....	8-1
	Performing upgrades/paths .....	8-1
	Security hardening .....	8-1
	<b>Acronym List</b>	<b>1</b>

# About this document



## Purpose

The purpose of this document is to provide a general overview of the IP Multimedia Subsystem (IMS) Release 06.01.13, 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 06.01.13.

## Reason for reissue

This is the first issue of the IMS Release 06.01.13 Release Notes.

## Intended audience

The intended audience for this document includes all personnel who need information about the IMS 06.01.13 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 06.01.13 is a maintenance release update for IMS Release 06.01.13. 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

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

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# 1 Release components

## Overview

### Purpose

This chapter describes the loads that comprise Release 06.01.13 and the documentation deliverables included in this release.

## Software deliverables

Table 1-1 lists the loads that comprise Release 06.01.13. New or changed load names are shown in bold-face type.

**Table 1-1 Software release identification**

<b>Network Element/Application</b>	<b>Load Name in IMS 06.01.13 Load</b>	<b>Load Name in IMS 06.01.13 Load</b>	<b>Load Changed Since IMS 6.1.11</b>
2Wire RBGWs	5.29.15-eval3	5.29.15-eval3	No
<b>1300 Cross Management Center (XMC)</b>	R6.1.1.5	<b>R6.2.0.3</b>	<b>Yes</b>
<b>1440 USDS (Includes MAS/AHE)</b>	USDS-04.03.71.13 MAS R26 SU6 p0611	<b>USDS-04.03.71.18</b> <b>MAS-R26SU6-p0617</b>	<b>Yes</b>
<b>5020 MGC-8 (was Lucent Network Controller (LNC), Lucent Signaling Gateway)</b>	6.3.0.4.SP4	<b>6-3-0.4.SP7</b>	<b>Yes</b>
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
<b>5900 MRF</b>	6.1.3/ACS 7.0.0b3566	<b>6.3.1</b> <b>Required Patches: 6245, 6299, 6360, 6430, 6441</b> <b>Annlab 4.20 MCDP Rel 1.2_Patch07</b>	<b>Yes</b>
7302 ISAM-V	R3.4.01	R3.4.01	No
7510 MGW	R2.6	R2.6	No

Network Element/Application	Load Name in IMS 06.01.13 Load	Load Name in IMS 06.01.13 Load	Load Changed Since IMS 6.1.11
<b>7520 MGW (was Lucent Network Gateway)</b>	6.3.0.4.SP4	<b>6.3.0.4.SP7</b>	<b>Yes</b>
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)	CCF-R26SU5-hotslide0103  MAS-R26SU7 MAS-R26SU7-p0701	eCCF R26SU5-hotslide0103  MAS R26SU7-p0701 (ltmasr26-p0701)	No
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 <sup>1</sup>	VitalAAA-5.2.2	VitalAAA-5.2.2	No
<b>Acme Packet Net-Net EMS</b>	EMS 6.0.0 FC1	<b>EMS 6.0.0 GA</b>	<b>Yes</b>
<b>Acme Packet Session Director (4250)</b>	C5.0.0p15	<b>C5.0.0p24</b>	<b>Yes</b>
Acme Packet Session Director (9200)	D5.1.0p1	D5.1.0p1	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 <sup>2</sup>	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	Audio-Codes-AC_IPM5K_R5.0.50-1.1a	No
<b>eSM</b>	PA-RISC - eSM: eSM-01.26.06 P7  Itanium – eSM <sup>3</sup> : eSM-01.26.06 P7	<b>PA-RISC - eSM eSM-01.26.06 P9</b>  <b>Itanium - eSM<sup>3</sup>: eSM-01.26.06 P9</b>	<b>Yes</b>
<b>Intelligent Services Gateway (ISG)</b>	ISG-08.00.00.03 svc-ISGD-800 svc-FW-800 svc-FWD-800 svc-CDBMON-800 svc-CCSIP-800 svc-ISG-800  MAS-R26SU4-p0410 (ltmasr26-p0410)	<b>ISG-08.00.00.05 svc-ISGD-800 svc-FW-800 svc-FWD-800 svc-CDBMON-800 svc-CCSIP-800 svc-ISG-800</b>  <b>MAS-R26SU4-p0423 (ltmasr26-0423)</b>	<b>Yes</b>

<sup>1</sup> 8950 Vital AAA was part of the WiMAX BU lab environment but not specifically tested by IMS 06.01.13 NLT.

<sup>2</sup> Audiocodes – IPM5K was integration tested with CTS and ISC, but it was not tested by NLT in IMS 06.01.13.

<sup>3</sup> Itanium version of eSM is not tested by NLT.

<b>Network Element/Application</b>	<b>Load Name in IMS 06.01.13 Load</b>	<b>Load Name in IMS 06.01.13 Load</b>	<b>Load Changed Since IMS 6.1.11</b>
Intellivic Client	Intellivic 1.2.0.3000	Intellivic 1.2.0.3000	No
<b>Lucent Control Platform (LCP)</b>  Includes: - 5420 CTS (was Lucent Feature Server 5000) - Lucent Feature Server 2500 - 5450 ISC (was Lucent Session Manager, LSM)	R14.25.01.03	<b>R14.28.00.00</b>  <b>Then apply patch R14.28.00.02</b>	<b>Yes</b>
<b>Lucent Communication Manager (LCM)</b>	6.3.4_F_116 Red Hat Linux Version 3 update 8	<b>6.3.4_125</b> <b>Red Hat Linux Version 3 update 8</b>	<b>Yes</b>
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
<b>Lucent Security Management Software (LSMS)</b>	9.1.299	<b>9.1.308</b>	<b>Yes</b>
<b>Lucent VPN Firewall (LVF)</b>	9.1.299	<b>9.1.308</b>	<b>Yes</b>
<b>OMC-CN</b>	R3.0 SU4	<b>R2.0 SU5</b>	<b>Yes</b>
<b>OMC-H</b>	R07.05.01.06.12	<b>R07.05.01.06.16</b>	<b>Yes</b>
<b>OMC-P</b>	11.1.0.2	<b>12.0.2.0</b>	<b>Yes</b>
Plexus BTS	6.3.1.0.8 TCA 2.0.0.116	6.3.1.0.9 TCA 2.0.0.116)	<b>Yes</b>
PCTel <sup>4</sup>	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
<b>SS8 WDDF (Lawful Intercept Gateway)</b>	3.7.1 SU02	<b>3.7.1 SU03</b> <b>3.7.1 SU04</b>	<b>Yes</b>

<sup>4</sup> Trial only

Network Element/Application	Load Name in IMS 06.01.13 Load	Load Name in IMS 06.01.13 Load	Load Changed Since IMS 6.1.11
VCC Light CAMEL Gateway (LCGW)	OSP platform :R2.4.2 + LCGW 1.0	OSP platform :R2.4.2 + LCGW 1.0	No
VitalSuite® Services Activation Manager (SAM)	R15.0	R15.0	No
VitalQIP	VitalQIP R7.1 DNS R4.0 Build 23  ENUM R1.2  VQIP eSM ISR: USDS-04.01.71.14 (only VQIP300 file)  Solaris 9 kernel 122300-21 (02/08)	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)	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
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 06.01.13.

## 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 06.01.13.

## New features

The following feature is included in this release.

**Table 2-1 New features**

<b>FID Number</b>	<b>FID Title</b>
11018.41	5900 MRF 6.3 for CVOIP Solution

## Functionality

Support for 5900 MRF Release 6.3 was verified in IMS Release 06.01.13.

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 06.01.13 solution test program.

**Table 3-1 NLT Test Results**

<b>Solution</b>	<b>Progress Rate</b>	<b>Quality (Pass Rate)</b>	<b>Exit Criteria Status (Reached/Not Reached)</b>
<i>06.01.13 Upgrade</i>	100%	100%	Reached
<i>06.01.13 Release Regression</i>	100%	95.2%	Reached
<i>5900 MRF</i>	100%	96.6%	Reached
<i>total</i>	100%	97.3%	

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 Release 12.0 includes changes to its Northbound Interface from OMC-P Release 11.1. See *OMC-P Software Release Notes*, Section 5, 255-400-402R12.0.2.0 for more details.

### Changes to Southbound Interfaces

There are no Southbound Interface changes in this release.

## Alarm changes

OMC-P Release 12.0 includes three new alarms from OMC-P Release 11.1. See *OMC-P Software Release Notes*, Section 5, 255-400-402R12.0.2.0 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 06.01.13.

**Table 5-1 NLT-reported problems resolved in IMS release 06.01.13**

NE	Abstract	Resolution
USDS	IMS_NLT_6.1.11: SAA from USDS does not contain ASSRVNAME from COMMONPUID	Fix delivered in USDS 7.1 patch5
OMC-P	IMS_NLT: Static Sync failed during IMS GR Site Failover testing	Fix delivered in OMC-P 12.0

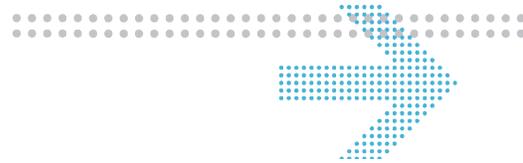
**Table 5-2 Customer-reported ARs resolved in IMS release 06.01.13**

AR	NE	Sev	Short Description
1-1491833	LGP	3	MG RTCP errors
1-1570282	Acme EMS	3	Acme Net-Net inactivity Timer Does not work
1-1573955	OMC-P	3	TCCRT parameter in the MGCF has the wrong default coded in software
1-1680923	OMC-CN	3	OMC-CN Major Alarms for Unexpected Information
1-1757732	FS5K	3	FS5K must offer RFC2833 in all SDP offers that it initiates
1-1791600	OMC-P	3	Flexible Time Zone GMT Setting
1-1797405	LCM	2	Can't fail back to primary LCM after network outage
1-1801568	FS5K	3	Internal error received during Billing Enhancement feature activation
1-1803738	LGP	3	SCALLS Performance Counter in SIPMSG is not updated properly
1-1805756	LCM	2	LCM non-compliant with password construction requirement
1-1807347	OMC-P	3	Order by Time -- functionality in OMC-P Config Event Log not ordering
1-1808449	FS5K	3	RCCcstat problem on FS5K during R12.13.09.06 installation
1-1811384	LSM	3	LCP DNS bug which causes multiple DNS SRV records of different priorities
1-1812214	HSS	2	HSS "Password Aging" user not prompted for new password
1-1812211	HSS	2	HSS "Password Construction" some rules appear not to be enforced.
1-1812221	HSS	3	HSS "Display of last Date and Time" doesn't display as per rqmnt.
1-1813241	Acme EMS	2	The additional SIP OPTIONs added to the SD configuration exceeded the maximum field length in the database.
1-1816625	HSS	2	HSS "Password Reuse" can't get HISTORY to engage.
1-1816662	LCP	3	IMS 6.1.9 LSM not sending 503 back thru Acme S/BC after sending 180 Ringing
1-1817770	OMC-P	2	FailureCode="30003" Plexwebapi Errors Seen Preventing Provisioning
1-1818624	LCP	3	Sip to PSTN fax call getting 481 from the SD 4250 due to reinvite from LSM
1-1818917	OMC-H	2	OMC-H configuration settings did not carryover thru the upgrade to IMS 6.1.9
1-1820358	FS5K	3	FS5K - MI , can't power off shelf 1 or 2 card 5 (or 6)
1-1820378	LCM	2	LCM logs STOP at 500, will not log new messages.
1-1820381	LCM	3	Lcm1028 LCM Admin GUI search User function not filtering.
1-1822513	LGP	2	IMS 6.1.9 Security Scans - SCLAUSLNG had TL1 Agent Core Dump on SP-A
1-1822562	OMC-P	2	LCM subscriber creation via OMC-P GUI is forcing a password when the Auth Service is Disabled or No_Auth

AR	NE	Sev	Short Description
1-1828192	FS5K	2	CCF - Missing serviceRequestTimeStamp, serviceDeliveryStartTimeStamp from FS5k1
1-1829687	LSM	3	MI GUI bug that doesn't allow one to schedule 24:00 as End Time value in PM Job Scheduling window
1-1835151	OMC-P	4	Ports and Protocols doc. needs correction to remove source port (>32000) from the list
1-1838919	LSM	2	error msgs due to Diameter Cluster on HCF Nodes capability.
1-1840431	LCP OMC-CN OMC-H LCM Acme EMS	3	Vulnerabilities affecting multiple implementations of Java SE with a threat level of critical
1-1842599	WDDF	2	The content messages CC Delivery Headers contains a Correlation Identity however it should contain a Call Identity.
1-1842605	WDDF	2	There are some Direct Signal Reporting (DSR) Description messages that should not be there
1-1844784	FS5K	3	FS5K not sending RFC2833 in SDP. Similar to AR 1-1757732 but different call flow.
1-1846497	FS5K	3	FS5K responds to 3rd Party Reg with 200 OK for stas and 404 Not Found for dtas
1-1848398	LGP	2	IMS Calls IMS CallFwd to International TN.
1-1856086	LSM	2	Memory audit alerts seen Post 12.13.09.07 upgrade
1-1864210	LCM	2	LCM 01 LCA server in Richardson is unavailable. 888 422 7117 Part 994100
1-1864748	LGP	3	SGW ISUP PROXY table has limit of 32 entries which is insufficient
1-1868471	LCM	3	FS5K – Selective Call Description Acceptance Number Format Incorrect
1-1872045	LGP	3	IMS 6.1.9 MGC fails to handle SIP EC 491 sent out of dialog on a PSTN to SIP call when 491 generated by test set
1-1874816	LCM	2	Lcm1060 Concern for replication integrity on 01 data segment.
1-1876700	FS5K	3	Loc Nbr Feature FS5L sends lowercase "ln"
1-1878525	LSM	3	IMS card 0 on LSM 1 in SIL not responding to SIP OPTIONS messages from Acme SD Session agent
1-1879897	OMC-P	2	No SNMP Trap on real-time Data Sync Fails per BR73
1-1882180	FS5K	3	System Parameter doc. to be updated for FS GUI password security settings
1-1883613	LSM	3	ServiceDeliveryStartTimeStamp on occasion is not being populated in CCF CDRs. This is a mandatory field.
1-1900861	OMC-P	3	Removing FSDB from Quarantine on Geo Redundant lab fails in IPTC SG
1-1913501	FS6K	3	Ports and Protocols doc. to be updated with Port 10600 as it applies to FS5K



# 6 Known issues



## Overview

### Purpose

This chapter describes NLT- and customer-reported issues that remain open in IMS Release 06.01.13.

## 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	No security banner at login for 5900 Annlab and MCDP Annouce GUIs	Bug opened with development; currently being evaluated for feature road map
5900	Java version required for MRF5900; Annlab cannot coexist with other IMS GUIs	Future Annlab release will support Java 1.5. Workaround: use Exceed and Xwindow access method of Annlab, or separate PCs for Annlab and other GUIs.
Acme 9200	IMS_NLT: Session Agents goes OOS during performance testing	Acme ticket 13194. Fix targeted for Acme D5.1.0p2 or later.
Acme 9200	IMS_NLT_MH ACME 9200 send every 60s Session Agent out of services and in-service	Acme ticket 13062. Fix targeted for Acme D5.1.0p2 or later.
Acme 9200	Acme 9200 NPU Crashes during call load	Acme ticket 13955. Issue observed on Acme D5.1.0p1+private workspace patch. Impact: NPU board failover occurs.
Acme 9200	Acme9200 login access to console or telnet gets locked up during call load	Acme ticket 14547. Impact: Issue only occurs in Acme D5.1.0p2. ALU does not certify Acme D5.1.0p2 for IMS at this time. Acme D5.1.0p1 should be used until issue is resolved.
OMC-P	OMC-P: quarantine state of FS5K call server not indicated in LCM system	Workaround: At the LCM admin GUI, click the "Quarantine" box for the affected FS5K Call Server, and then the "Update" button.

**Table 6-2 Customer-reported ARs remaining open in IMS release 06.01.13**

AR	NE	Sev	Short Description	Target NE Load
1-1801920	LGP	3	LGP Security Hardening MOP needs corrections and updates	6.3.0.4.SP9
1-1805745	EMRS	3	Expired password on eMRS locks account w/out user ability to reset	EMRS R25SU9-0915
1-1805746	EMRS	3	EMRS can not set minimum number of passwords before reuse - requires Solaris 10	EMRS R25SU9-0915
1-1805755	EMRS	2	eMRS non-compliant with password construction requirement	EMRS R25SU9-0915
1-1807213	EMRS	3	eMRS not compliant with Freezing of User Accounts requirement	EMRS R25SU9-0915
1-1813174	CCF	2	CCF - Password expiration locks out user	MAS R26SU5-p0513 MAS R26SU7-p0709 MAS R26SU8-p0805
1-1813189	CCF	2	CCF - Reuse of password not a settable quantity	MAS R26SU5-p0513 MAS R26SU7-p0709 MAS R26SU8-p0805
1-1813207	CCF	2	CCF - Password not required to be reset after add/change by administrator	MAS R26SU5-p0513 MAS R26SU7-p0709 MAS R26SU8-p0805
1-1814246	CCF	3	CCF - Opening login does not display failed attempts.	MAS R26SU5-p0513 MAS R26SU7-p0709 MAS R26SU8-p0805

AR	NE	Sev	Short Description	Target NE Load
1-1816641	CCF	2	CCF - Fails req't for password construction	MAS R26SU5-p0513 MAS R26SU7-p0709 MAS R26SU8-p0805
1-1819402	OMCP	2	Heartbeat between OMC-P and the LCM needs to be adjusted	12.0.2.2
1-1819583	LGP	2	IMS 6.1.9 Security LGP - Not sure if ALU compliant with Freezing of User Accounts	6.3.0.4.SP10
1-1819683	LGP	2	IMS 6.1.9 Security LGP - Not sure if ALU compliant with Unsuccessful Login attempts	partial fix in 6.3.0.4.SP10
1-1819685	LGP	2	IMS 6.1.9 Security LGP - Not sure if ALU compliant with Security Notification	partial fix in 6.3.0.4.SP10
1-1846167	OMC-P		LCM: Provisioning subscriber with web portal fails	12.0.2.1
1-1857296	LCM	2	Lcm1047 PSL - Can't provision LCM - GUI hangs forever	6.3.4.125+
1-1862917	LCM	4	Lcm1050 Redirection not occurring on primary A-node	6.3.4.125+
1-1864077	LGP	3	Update to T-Name timer value	6.3.0.4.SP10
1-1865536	LCM	2	Click2Dial and Call Logs not working, suspect LCM	6.3.4.125+
1-1870847	LCM	2	Lcm1059 LCM data anomalie - not good at ALL	6.3.4.125+
1-1880580	LCM	4	Lcm1065 - TN showing up in single table	6.3.4.125+
1-1885516	LCM	2	RD LCM: rd3tx01lca LCM ArrayIndexOutOfBoundsException	6.3.4.125+
1-1890175	LCM	3	LCM Client does not get PopUp on Terminating call	6.3.4.125+
1-1901538	HSS	3	HSS BNUA feature did not populate IP address for new user with existing RGID	hlr7.1 patch6+
1-1912960	OMCP	2	DataSync/Static Sync fail during UnQuarantined	12.0.2.1
1-1924695	Acme 9200	4	SD9200: No Security Banner in 9200- First need to work porting feature to R5.1 (if possible) - then need MOP to add security banner	D5.1.0p3
1-1927166	HSS	2	Call failures on migrated subscriber while FS5K1 is in quarantine	hlr7.1 patch6+
1-1932886	OMCP	2	OMCP Upgrade Issue: OMCP, will not sync need LCM support	12.0.2.3





# 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_15

The 5900 MRF Anmlab GUI version 4.20 must be installed on a separate PC with Java Web Start version 1.3 and Java 1.4.2\_18.

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 06.01.11 to IMS 06.01.13. 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:

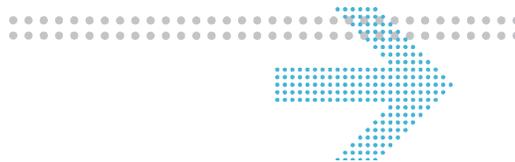
- *IMS Solution Release 06.01 Solution Software Upgrade 275-100-035R06.01*

## Security hardening

There is no specific information for this release.



# Acronym List



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## 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

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## 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

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**E**

**E2E**  
End to End

**eCCF**  
enhanced Charging Collection Function

**EMS**  
Element Management System

**ENUM**  
Telephone Numbering Mapping

**eSM**  
Enhanced Services Manager

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**F**

**FS2500**  
Feature Server 2500

**FS5000**  
Feature Server 5000 (FS5K)

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**G**

**GUI**

Graphical User Interface

**GUP**

Generic User Profile

**GPRS**

General Packet Radio Service

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**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

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**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

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**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

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**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

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**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

---

**U**

**ULIS**

Unified Lawful Interception Suite

**UMTS**

Universal Mobile Telecommunications System

**USDS**

Unified Subscriber Data System

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**V**

**VCC**

Voice Call Continuity

**VitalAAA**

Vital Authentication Authorization Accounting

**VoIP**

Voice over Internet Protocol

**VPN**

Virtual Private Network

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**W**

**WDDF**

Wireless Data Delivery Function

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**X**

**XMC**

Cross-domain Management Center

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