



Alcatel-Lucent

IP MULTIMEDIA SUBSYSTEM RELEASE 07.05.00 CONTROLLED
INTRODUCTION - FOR SFR CUSTOMER

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 07.05.00 Controlled Introduction (CI), 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 07.05.00 CI.

Reason for revision

This is the first issue of the IMS Release 07.05.00 CI Release Notes.

Intended audience

The intended audience for this document is the SFR customer.

Supported systems

See Chapter 7, System Requirements, for information on systems supported in Release 07.05.00 CI.

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 Online Customer Support Site (OLCS) web site (<https://support.alcatel-lucent.com>).

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To comment on this document, go to the Online Comment Form (<http://infodoc.alcatel-lucent.com/comments/>) or e-mail your comments to the Comments Hotline (comments@alcatel-lucent.com).



1 Release components

Overview

Purpose

This chapter describes the loads that comprise Release 07.05.00 CI and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise IMS Release 07.05.00 CI.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS 07.01.00	Load Name in IMS 07.04.01	Load Name in IMS 07.05.00 CI	Load Changed Since IMS 07.01.00?
1300 Cross Management Center (XMC)	R6.2.2.5	1300 XMC R6.2.2.5 Plus 1300 XMC R6.2.2.5 IAP 01	R6.2.2.5 Then patch to R6.2.2-P01 Then patch to R6.2.2-N08	Yes
1310 Operations and Maintenance Center – Plexview (OMC-P)	OMC-P-13.00.02.02	OMC-P13_02_00_01	OMC-P_13_02_00_01	Yes
1440 Unified System Data Server (USDS) (includes MAS/AHE)	USDS-7.2.n05.01 Patch USDS : USDS_HSS_R7.2_Patch 03 MAS Patch : ltmasr27-p0011	R7.3 SPA: h1r7.3.n04.upd72.01 MAS: ltmasr27-p0207 Then upgrade to: 1440 USDS R7.3 P01 MAS R27 SU2 Patch (ltmasr27-p0214)	USDS: h1r7.3n04.01 MAS: ltmasr27 (R27SU2) – b0102 MAS: ltmasr27 (R27SU2) – 0201 MAS: ltmasr27 (R27SU2) – p0210	Yes
5410 Presence Server (PS) 5410 SML Document Management Server (XDMS)	XDMS41_SP4 PS_41_SP4 Platform: - 5400 R1.2 Patch: - 5400 R1.2.2.3	Not Applicable	5.0 SP1.1 Hp	Yes
5420 Converged Telephony Server (CTS)	R15.36.00.00 then apply R15.36.00.02	R17.21.01.00 Then patch to R17.21.01.01	R17.21.00.00 Then patch to R17.21.01.00 Then patch to R17.21.01.01	Yes
5440 IMS-PC Client	5440_PCC_r3.1.0.2269 (without PCM)	5440_PCC_r3.1.0.2269 (PCM)	5440_PCC_r4.0.0_v2315_nonPCM	Yes
5450 IP Session Control (ISC)/ IP Resource Controller (IRC)	R15.36.00.00 then apply R15.36.00.02	R17.21.01.00 Then patch to R17.21.01.01	R17.21.00 Then patch to R17.21.01.00 Then patch to R17.21.01.01	Yes
5900 Media Resource Function (MRF)	R6.3.2	MRF6.3.4.1	MRF6.3.4.1	Yes

Network Element/Application	Load Name in IMS 07.01.00	Load Name in IMS 07.04.01	Load Name in IMS 07.05.00 CI	Load Changed Since IMS 07.01.00?
7510 Media Gateway (MGW)	7510 R3.0 B11b	A7510_R31N_07_05_2009_B06 (also called R3.1 SP2)	R31N_05_06_2009_M1050609 (R3.1 SP2 CI) A7510_R31N_07_05_2009_B06 (7510 MGW R3.1SP2)	Yes
8615 Instant enhanced Charging Collection Function (leCCF)	N440 Hardware: leCCF R26SU8 and hotslide 0102 MAS-R26SU8 and patch0809 T2000 Hardware: leCCF 27.3 and hotslide0102 MAS R27SU2-p0209	N440 Hardware: leCCF R26SU8 and hotslide0106 MAS-R26SU8 and patch0814 ===== T2000 Hardware: leCCF 27.3 and hotslide0106 MAS R27SU2-p0216	N440 Hardware: leCCF R26SU8 and hotslide0106 MAS_Itmasr26-p0814	Yes
Acme Packet Session Director (4250)	C5.1.1p23	C5.1.1p23	C5.1.1p23	No
Fortinet Fortigate Firewall	FGT_5005FA2-v300-build8094-FORTINET	v3.0.MR5.8108	v3.0.MR5.8108	Yes
VitalQIP	VitalQIP 7.1 (patch B158) ENUM R1.2	VitalQIP R7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file)	VitalQIP R7.1 PR2 (patch B158)	Yes

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

For Release 07.05.00 CI, this document is the only solution document that is being published.

For all other solution documents, please use the latest version (Release 07.04.01).

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 07.05.00 CI.

New features

The following features are included in this release:

Table 2-1 Features released in 07.05.00 CI

Feature Number	Feature Title
13987.30	Presence Content XDMS
13987.31	RCS 1.0 support by PS/XDMS 5.0
33333.243	Test of NNI interface for XDMS 5.0 in IMS 8.2
33333.255	RCS 1.0 Testing of Tri-Op Functions
33333.264	E2E testing of 7510 in bearer path for Video Sessions in IMS 7.5
33333.302	IMS 7.5 O&M End to End Testing

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 07.05.00 CI 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>Feature test on IMS 07.05.00 CI</i>	100%	95.7%	Reached
<i>total</i>	100%	95.7%	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 in this release.

Interface changes

Changes to Northbound Interfaces

This information will be available at 07.05.00 General Availability.

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

This information will be available at 07.05.00 General Availability.

Protocol changes

This information will be available at 07.05.00 General Availability.

System parameter changes

This information will be available at 07.05.00 General Availability.



5 Resolved issues

Overview

Purpose

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

There are no customer-reported or NLT-reported problems for IMS Release 07.05.00 CI.

Resolved issues

This section does not apply to the CI of this release since there are no customer-reported or NLT-reported problems.

6 Known issues



Overview

Purpose

This chapter describes NLT-reported issues that remain open in Release 07.05.00 CI.

Known issues and workarounds

As of August 2009, 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 07.05.00 CI

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
Fortinet FW	IMS 07.5.01	Under Investigation	Under Investigation	ECS/RCS	Fortinet blocks CANCEL SIP message when P-CSCF sends it after 3 minutes.	<p>Service Impacted: File transfer with no answer of the receiver: After 3 minutes without accepting the file transfer, the call is cancelled by the network (ISC) but Fortinet has already released the context so Cancel is not sent to the users.</p> <p>Impact: Caller has to cancel manually the transfer request. After the 3 minutes, if the receiver finally does accept the call, file transfer will never happen.</p>
PS/XDMS	IMS 07.5.01	5.0 SP1.2	On Target	ECS/RCS	Revoke a contact doesn't work in NNI configuration.	<p>Service Impacted: Revoking a user from its contact list when this user is in another IMS network (If user A revokes the Presence Relationship with user B; both users shall no longer receive any more updates of their Presence Information for a certain period of time specified by User A).</p> <p>Consequence: User A is able to revoke User B, however, User A still appears offline in User B's address book.</p> <p>Validated OK with private patch.</p>



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)

The following NE GUIs do not have Java dependencies: FS GUI (5420 CTS, 5450 ISC), 1310 OMC-P (Plexview), 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
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

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 07.04.00 or IMS 07.04.01 to IMS 07.05.00 CI. See the *IMS Solution 07.04.00 Software Upgrade* document, 275-100-035R07.04.00, 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:

- *IMS Solution 07.04.00 Software Upgrade 275-100-035R07.04.00*

Upgrade paths

Upgrade to IMS 07.05.00 CI is supported from IMS 07.04.00 or IMS 07.04.01. Network Elements may require multiple transitions to go from IMS 07.04.00 or IMS 07.04.01 to IMS 07.05.00 CI; refer to the specific NE documentation for further details.

Security hardening

IMS Release Network Element security hardening procedures and related information are on OLCS at: <https://services.support.alcatel-lucent.com/services/>.

Click on IMS Solutions, then click on the Security Hardening IMS Release and finally click on each NE for security hardening details.

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

eSM
enhanced Service Manager

F

FS
Feature Server

G

GUI
Graphical User Interface

H

HSS
Home Subscriber Server

I

ICC
Internal Convergent Charging

leCCF
Instant enhanced Charging Collection Function

IMS
IP Multimedia System

IRC
IP Resource Control

ISAM
Intelligent Services Access Manager

ISC
IP Session Control

K

KPI
Key Performance Indicators

L

LCP
Lucent Control Platform

LGP
Lawful Gateway Platform

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 – Plexus

P

PCM
Personal Communication Manager

PES
PSDN Emulation Service

PSTN
Public Switched Telephony Network

S

SAM
Services Activation Manager

SDM
Subscriber Data Manager

SSC
Subscriber Services Controller

U

ULIS
Unified Lawful Intercept Suite

V

VoIP
Voice over Internet Protocol

X

XMC
Cross-domain Management Center
