



Alcatel-Lucent

IP MULTIMEDIA SUBSYSTEM RELEASE 08.02.02

SOLUTION EXTERNAL RELEASE NOTES

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About this document



Purpose

The purpose of this document is to provide a general overview of the IP Multimedia Subsystem (IMS) Release 08.02.02, 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 08.02.02.

Reason for revision

This is the first issue of the IMS Release 08.02.02 Release Notes document.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 08.02.02 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 08.02.02.

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>).

How to comment

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 08.02.02 and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise Release 08.02.02.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS 08.02.01	Load Name in IMS 08.02.02	Load Changed Since IMS 08.02.01?
1300 Cross Management Center (XMC)	R6.2.2.5 Then patch R6.2.2-P01 Then patch R6.2.2-N08	R6.2.2.5 Then patch to R6.2.2-P01 Then patch to R6.2.2-N08	No
1310 Operations and Maintenance Console – Provisioning (OMC-P)	OMC-P13_02_00_01	OMC-P13_02_00_01	No
5410 Presence Server (PS) 5410 XML Document Management Server (XDMS)	5.0 SP1.1 Hp	5.0 SP2.1 Hp	Yes
5420 Converged Telephony Server (CTS)	R17.21.00.00 Then patch to R17.21.01.00 Then patch to R17.21.01.01	R17.21.01.09	Yes
5440 IMS-PC Client	5440_PCC_r4.0.0_v2315_nonPCM	5440_PCC_r4.0.0_v2315_nonPCM	No
5450 IP Session Control (ISC)/ IP Resource Controller (IRC)	R17.21.00.00 Then patch to R17.21.01.00 Then patch to R17.21.01.01	R17.21.01.09	Yes
5900 Media Resource Function (MRF)	MRF6.3.4.1	MRF6.3.4.1	No
8615 Instant enhanced Charging Collection Function (IeCCF)	N440 Hardware: IeCCF R26SU8 and hotslide0106 MAS_Iltmasr26-p0814	N440 Hardware: IeCCF R26SU8 and hotslide0106 MAS_Iltmasr26-p0814 T2000 Hardware: IeCCF 27SU3 and hotslide 0108 MAS-R26SU8 and patch0814. (Delivered in IMS8.01.03.)	Yes
8650 Subscriber Data Manager (SDM) (HSS on ATCA)	SDM2.0.1: sdm8650-small-compact-v2-r4.002.0520-22.zip Plus SDM 2.0.1 IAP002: sdm8650-small-compact-v2-r4.002.0610-40.iso	SDM2.0.1: sdm8650-small-compact-v2-r4.002.0520-22.zip Plus SDM 2.0.1 IAP002: sdm8650-small-compact-v2-r4.002.0610-40.iso	No
8950 Service Activation Manager (SAM)	Not Applicable	16.0.2 SU1	New
Acme Packet Session Director (4250)	C5.1.1p29	C5.1.1p29	No

Network Element/Application	Load Name in IMS 08.02.01	Load Name in IMS 08.02.02	Load Changed Since IMS 08.02.01?
Fortinet Fortigate Firewall	v3.0.MR5.8133	v3.0.MR5.8133	No
VitalQIP	VitalQIP R7.1 PR2 (patch B158)	VitalQIP R7.1 PR2 (patch B158)	No

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

The following table shows the solution documentation available for IMS Release 08.02.02.

Title	Ordering number
<i>IMS Release 08.02.00 Solution Technical Description</i>	275-100-000R08.02.00
<i>IMS Release 08.02.00 Solution Operations, Administration, Maintenance, & Provisioning</i>	275-100-001R08.02.00
<i>IMS Release 08.02.02 Solution Release Notes</i>	275-100-004R08.02.02
<i>IMS Release 08.01.00 Software Upgrade</i>	275-100-035R08.01.00
<i>IMS Release 08.02.00 Interface Changes Specifications</i>	275-100-050R08.02.00
<i>IMS Release 08.02.00 Solution System Parameters</i>	275-100-057R08.02.00
<i>IMS Release 08.02.00 Solution Ports and Protocols</i>	275-100-058R08.02.00
<i>IMS Release 08.02.00 Solution Growth</i>	275-100-059R08.02.00

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

To obtain documentation

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

To obtain IMS Solution documentation, do the following:

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

To obtain product documentation, do the following:

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

2 New features



Overview

Purpose

This chapter lists the features included in Release 08.02.02.

New features

The following features are included in this release:

Table 2-1 Features released in 08.02.02

Feature Number	Feature Title
13987.30	Presence Content XDMS
13987.31	RCS 1.0 support by PS/XDMS 5.0
33333.140	IMS Solution Level Software Upgrade Development & Test for IMS 8.1 to IMS 8.2 Software Upgrade Path
33333.243	Test of NNI interface for XDMS 5.0 in IMS 8.2
33333.255	RCS 1.0 Testing of Tri-Op Functions
33333.261	Early IMS Security Testing with 8650 SDM in IMS8.2
33333.272	ECS Solution End-to-End Subscriber Provisioning Validation for 2 nd Generation Workflows
33333.304	IMS 8.2 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 08.02.02 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 IMS08.02.01</i>	100%	100%	Reached
<i>E2E Provisioning IMS 08.02.02 (feature 33333.272)</i>	100%	98%	Reached
<i>total</i>	100%	99%	



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

No northbound interface changes have been reported for this release.

Changes to Southbound Interfaces

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

Alarm changes

No alarm changes have been reported for this release.

Message changes

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

Port changes

No port changes have been reported for this release.

Protocol changes

No protocol changes have been reported for this release.

System parameter changes

No system parameter changes have been reported for 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 load that are part of this release.

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

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
8650 SDM	IMS 08.02.02	SDM2.0.1	Fixed	ECS / RCS	A conf.ini and network.ini files creation guide needs to be put in install. doc.	Service Impacted: Documentation enhancement to fill in the configuration files. Impact: Installation improvement
ACME 4250	IMS 08.02.02	C5.1.1p29	Fixed	ECS/RCS	Subscribe message sent from a user defined as ANONYMOUS is rejected by ACME.	Service Impacted: Retrieve the service capabilities of another user with anonymous fetch operation. Consequence: When ACME is used at the access, the anonymous user cannot retrieve the service capabilities supported by another user. For mobile access, ACME is not used and the anonymous user can successfully retrieve the service capability. This issue only concerns fixed access which is using the ACME.
PS/XDMS	IMS 08.02.02	PS 5.0 SP1.2	Fixed	ECS	Revoke a contact that doesn't work in NNI configuration.	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). Consequence: User A is able to revoke User B, however, User A still appears offline in User B's address book.

6 Known issues



Overview

Purpose

This chapter describes NLT-reported issues that remain open in Release 08.02.02.

Known issues and workarounds

As of January 2010, 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 network element loads that are part of this release.

Table 6-1 NLT-reported severity 2 open issues

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
SDM	Under Investigation	Under Investigation	Under Investigation	ECS	With SDM 2.0.1, all traffic goes through the same physical link.	Customer network configuration is constrained.
ISC	Under Investigation	Under Investigation	Under Investigation	ECS	Modifying the gateway default is not possible without starting a reinstall.	The request is to allow the flexibility to change the IP address for the default gateway without restarting a reinstall.
PS/XDMS	Under Investigation	Under Investigation	Under Investigation	ECS	On a multi-station HP PS/XDMS, no alarm is raised when a station is down.	Impacted Service: Management of the PS/XDMS platform from XMC when a server is down. Impact: When on machine is stopped (shutdown or crash), there is no alarm sent to XMC. Workaround: Monitor switch routers connected to the PS/XDMS and install a specific HP software HP Open View Agent, as done by SFR, for sending the alarm to the XMC.
ISC	Under Investigation	ISCR20.X	Under Investigation	ECS	ISC does not maintain presence sessions during an IMS board switchover.	When the core switches over, the presence session will be lost and must be restarted.
VitalQIP	IMS 08.04.00	ENUM7.2	On Target	ECS/VoIP	ENUM error when re-creating an RCA subscriber who was previously deleted.	Impacted Service: E2E provisioning. Due to the ENUM issues, it is not possible to re-create a user who was previously deleted.



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: 5420 CTS, 5450 ISC, 1310 OMC-P, 5900 MRF.

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

Software licensing keys

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

Hardware requirements

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

Compatibility restrictions

Backward compatibility is supported for the IMS solution software upgrade sequence from IMS 08.02.01 to IMS 08.02.02. See the *IMS Solution Release 08.01.00 Software Upgrade* document, 275-100-035R08.01.00, and specific NE documentation for more information. The specific upgrade path must be provided by each network element.



8 Installation and upgrade notes

Overview

Purpose

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

Performing first-time installation

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

Performing upgrades

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

- *Alcatel-Lucent IP Multimedia Subsystem Release 08.01.00 Software Upgrade 275-100-035R08.01.00*

Upgrade paths

Upgrade to IMS 08.02.02 is supported from IMS 08.02.01. Network Elements may require multiple transitions to go from IMS 08.02.01 to IMS 08.02.02; refer to the specific NE documentation for further details.

Security hardening

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

Feature activation

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

Obtaining and installing third-party software

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

Acronym List



A

ATCA
Advanced Telecommunications Computing Architecture

AR
Action Register

C

CI
Controlled Introduction

CTS
Converged Telephony Server

G

GUI
Graphical User Interface

H

HSS
Home Subscriber Server

I

IeCCF
Instant enhanced Charging Collection Function

IMS
IP Multimedia System

IRC
IP Resource Control

ISC
IP Session Control

M

MRF
Media Resource Function

N

NE
Network Element

NLT
Network Level Test

O

OLCS
OnLine Customer Support

OMC-P
Operations and Maintenance Console – Provisioning

P

PS
Presence Server

S

SAM
Service Activation Manager

SDM
Subscriber Data Manager

X

XDMS
XML Document Management Server

XMC
Cross-domain Management Center
