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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 09.02.01 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 09.02.01.

Reason for revision

This is the first issue of the IMS Release 09.02.01 Release Notes document.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 09.02.01 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 09.02.01.

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 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 software loads that comprise Release 09.02.01 and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise Release 09.02.01. New or changed load names are shown in bold-face type.

Table 1-1 Software release identification

Network Element/Application	Load Name in IMS 09.02.01	Load Name in IMS 09.02.00	Load Changed Since IMS 09.02.00?
1300 Cross Management Center (XMC)	R7.0.5.3	R7.0.5.2	Yes
1310 Operations and Maintenance Center – Plus (OMC-P)	15.0.0.2	15.0.0.2	No
1357 Unified Lawful Intercept Suite (ULIS) Lawful Interception Gateway (LIG)	R12.5.2 ed05	R12.5.2 ed03	Yes
1540 Litespan	R3.2.52	R3.2.52	No
5020 Media Gateway Controller – 8 (MGC-8)	R8.0.1.3	R8.0.1.3	No
5060 Media Gateway Controller – 8 (ATCA)	R8.0.1.3	R8.0.1.3	No
5100 Converged Messaging System (CMS)	CMS-10SU4.3 (1000.40.3.15)	CMS-10SU4.3 (1000.40.3.15)	No
5410 Presence Server (PS)/ XML Document Management Server (XDMS)	5.1 SP1.1::5350 mCAS IAS 2.0.1	5.1 SP1.1::5350 mCAS IAS 2.0.1	No
5420 Converged Telephony Server (CTS)	R22.14.01 R22.14.01.07	R22.14.01 R22.14.01.05	Yes
5420 Personal Communication Manager (PCM)	PCM 7.1.0.50	PCM 7.1.0.50	No
5420 Service Continuity Gateway (SCG)	R22.14.01 R22.14.01.07	R22.14.01 R22.14.01.05	Yes
Co-Resident 5410 PS/XDMS and 5430 Multimedia Instant Messaging (MMIM)	MMIM_PsXdms_R5.1_CoRes_preDR4::5350 mCAS IAS 2.0.1	MMIM/Ps/Xdms R5.1 CoRes ED 09152010::5350 mCAS IAS 2.0.1	Yes
5450 IP Session Control (ISC)	R22.14.01 R22.14.01.07	R22.14.01 R22.14.01.05	Yes
5750 Subscriber Services Controller (SSC) (for Connectivity Location Function (CLF) and Dynamic Host Configuration Protocol (DHCP) only)	SSC R3.3 R2 + patch	SSC R3.3 R2	Yes
5900 Media Resource Function (MRF)	MRF7.1.0	MRF7.1.0	No
5900 Personalized Ring Back Tone (PRBT)	R3.0	R3.0	No
7302 Intelligent Services Access Manager (ISAM)-V/7330 Intelligent Service Access Manager (ISAM) Fiber to the Node (FTTN)	R4.1.0.2.406	R4.1.0.2.406	No

Network Element/Application	Load Name in IMS 09.02.01	Load Name in IMS 09.02.00	Load Changed Since IMS 09.02.00?
7302 ISAM/7330 ISAM FTTN	OLT R4.0.10 ONT R4.0.40	Not Applicable	New
7510 Media Gateway (MGW)	7510.R331.B03b.S0.01.02	7510.R331.B02.S0.01.01	Yes
7515 Media Gateway (MGW)	7515m2.4B0120	7515m2.4B0120	No
7515 SIP-MGW	7515R31S B0110	7515R31S B0110	No
7520 Media Gateway (MGW)	R8.0.1.3	R8.0.1.3	No
7750 Service Router	7750_R7.0_R6	7750_R7.0_R6	No
8610 Instant Convergent Charging (ICC)	ICC R5.1	ICC R462MD02	Yes
8615 Instant enhanced Charging Collection Function (IeCCF) (T2000, 5440)	IeCCF 28.1hotslide0103::MAS R28SU2 patch209	IeCCF 28.1::MAS R28SU2 patch0206 IeCCF 28.1hotslide0101::MAS R28SU2 patch209	Yes
8650 Subscriber Data Manager (SDM) (HSS on ATCA)	8650 SDM R3.0 IAP001	8650 SDM R3.0	Yes
8660 My TeamWork	ACS8.1 MR2	Not Applicable	New
8920 Service Quality Manager (SQM)	R3.7.6.10	Not Applicable	New
8950 Services Activation Manager (SAM) (Sun/Linux Platform)	Available at 09.02.02 Maintenance Release	Not Applicable	New
8965 C3S	4.5.4.1	Not Applicable	New
Acme Packet Session Director (4500)	Cx6.1.0m2p4	Cx6.1.0m2p4	No
Billing and Traffic System (BTS)	BTS_8.0.1.0.13	BTS_8.0.1.0.13	No
Cellpipe	6VeA2100 firmware V1.4.0.13AEG	6VeA2100 firmware V1.4.0.13AEG	No
Comneon RCS Client	WM 05.01.03-02	WM 05.01.03-02	No
Genesys SIP Server	SIP Server 8.0.400.32 Genesys Voice Platform (GVP) 8.1.3: GVP components: Media control platform (Media server): 8.1.301.18, Resource Manager: 8.1.301.09, Call control platform: 8.1.301.09	SIP Server 8.0.400.32 Genesys Voice Platform (GVP) 8.1.3: GVP components: Media control platform (Media server): 8.1.301.18, Resource Manager: 8.1.301.09, Call control platform: 8.1.301.09	No
Movial	8.1.7-741	813-741	Yes
OXE OmniPCX Enterprise	R9.1 version II.605.13	R9.1 version II.605.13	No
VitalQIP® VitalQIP® ENUM Manager	VitalQIP R7.2 PR1 DNS R4.2 (BIND 9.5.1-P3) ENUM R1.3	VitalQIP R7.2 PR1 DNS R4.2 (BIND 9.5.1-P3) ENUM R1.3	No

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

Document deliverables

Table 1-2 shows the solution documentation available for IMS Release 09.02.01.

Table 1-2 IMS 09.02.01 solution documentation

Title	Ordering number
<i>IMS Release 09.02.00 Solution Technical Description</i>	275-100-000R09.02.00
<i>IMS Release 09.02.00 Solution Operations, Administration, & Maintenance</i>	275-100-001R09.02.00
<i>IMS Release 09.02.01 Solution Release Notes</i>	275-100-004R09.02.01
<i>IMS Release 09.02.00 Software Upgrade</i>	275-100-035R09.02.00
<i>IMS Release 09.02.00 Interface Changes Specifications</i>	275-100-050R09.02.00
<i>IMS Release 09.02.00 Solution System Parameters</i>	275-100-057R09.02.00
<i>IMS Release 09.02.00 Solution Ports and Protocols</i>	275-100-058R09.02.00
<i>IMS Release 09.02.00 Solution Growth</i>	275-100-059R09.02.00
<i>IMS Release 09.02.00 Solution Provisioning</i>	275-100-060R09.02.00
<i>IMS 09.02.00 and ICS 02.01.00 Feature Planning Guide</i>	275-100-102R09.02.00

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:

3. Go to (<https://services.support.alcatel-lucent.com/services/ims/>).
4. 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 09.02.01.

New features

The following features are included in this release:

Table 2-1 Features released in IMS 09.02.01

Feature Number	Feature Title
11111.7	My Teamwork IMS Entry Testing for IMS 7.8/9.2 and ICS2.1
11111.8	Genesys IMS Entry Testing for IMS 7.8/9.2 and ICS 2.1
11111.9	C3S IMS Entry testing for IMS 7.8/9.2 and ICS 2.1
11111.10	IMS Video Client Testing for IMS 9.2/ICS 2.1
33333.318	5420 SCG 7.1 Testing for Single-Mode Mobile Extensions (ME) over GSM/UMTS in dIMS.
33333.336	Solution Testing of 1357 IMS CALEA Solution for North America
33333.391	IMS 9.2 Geographic Redundancy Solution Level Testing
33333.392	E2E Performance, Reliability, Stability testing for IMS 9.2
33333.413	Capacity testing for IMS 9.2
33333.415	IMS Solution: Centralized Backup & Import for IMS 9.2
33333.416	Enterprise (Network-Hosted) BVoIP End-to-End Subscriber Provisioning Validation
33333.420	CVoIP End-to-End Subscriber Provisioning Validation
33333.424	End-to-End Subscriber Provisioning Validation with Multiple CLIR options
33333.425	End-to-End Subscriber Provisioning Validation of CW with or without CLIP for 2nd Generation Workflows
33333.428	End-to-End Subscriber Provisioning Validation of Multi-Line Hunt Group CLIP for 2nd Generation Workflows

Feature Number	Feature Title
33333.430	IMS 9.2 NLT Codenomicon Testing
33333.434	NLT Testing Of XMC FM/PM Coverage of Reference Architecture Elements
33333.441	PRSET PES enhancements
33333.443	MDM (Ph 2) rate limited insertion to (CTS CSDB & Pri/Prot,iAGCF,PCM,single OMC-P,SDM HSS) from existing non-IMS solution
33333.447	Solution Security testing of PS-XDMS,MMIM in IMS 9.2
33333.463	end-to-end testing of Charging & Billing Mediation, in IMS 9.2.
33333.464	BP - IP Voice Services R2.0 : Access requirements
33333.465	BP - IP Voice Services R2.0 : overload protection/behavior
33333.466	BP – IP Voice Services R2.0: Carrier Selection for Enterprise
33333.535	IMS 9.2 Network Assurance Improvements
33333.582	E2E Solution Provisioning of DisplayName into the SDM HSS

Table 2-2 Features released in IMS 09.02.00

Feature Number	Feature Title
11111.20 ¹	IMS Entry testing for 7510 integrated firewall
22222.2	IMS Simplification for Flexible Line-up: SDM chassis kit
33333.247	Common HP based platform for 5410 PS/XDMS 5.1,5430 MMIM 5.1 in IMS 9.2
33333.385	Extend 5430 MMIM server 5.1 testing in IMS 9.2
33333.394	Lawful Intercept support on the P-CSCF & 7510 BGF
33333.399	IMS Software Upgrade from IMS 9.0 to IMS 9.2 using automation in a single step upgrade for each IMS NE
33333.405	POTS: Transfer only allowed when at least one far party is an originator
33333.414	CTS Centralised Service Database (CSDB): Introduction of Notify-Eff feature on Sh
33333.438	IMS Solution: SIP Business Trunking Enhancements for IMS 9.2
33333.449	NLT Performing Pairwise Testing of the IeCCF 28.1 NE load
33333.456	Standalone PS-XDMS testing for IMS 9.2
33333.459	OMC-P CSDB Data evolution via Upsynch

Functionality

See the specific NE documentation for configuration information.

Enhancements

There are no enhancements in this release other than the features.

¹ For information about integrated firewall functionality, please contact your Alcatel-Lucent representative.

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 09.02.01 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>IMS 09.02.01 Solution Test</i>	100%	98.8%	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 between Release 09.00.00 and this release.

Interface changes

Changes to Northbound Interfaces

The following document describes the Northbound interface changes for the 5420 CTS:

- *Alcatel-Lucent 5420 Converged Telephony Server (CTS) Release 7.1 Application User's Guide, 275-900-366R7.1* (See Part VI, Chapter 16)

The following documents describe the Northbound interface changes for the 5420 PCM:

- *Alcatel-Lucent 5420 Personal Communication Manager R7.1 API Guide, 270-713-060R7.1*
- *Alcatel-Lucent 5420 Personal Communication Manager R7.1 Release Notes, 270-491-004R7.1* (See Chapter 4)

The following document describes the Northbound interface changes for the 5450 ISC:

-
- *Alcatel-Lucent Control Platform 1800/1000/5400 Charging Interface Specification, 275-900-393R20.1* (See Chapter 5)

The following documents describe the Northbound interface changes for the 5900 MRF:

- *MRF Statistics Dictionary, 3AT34450ABAHDZTA*
- *MRF Alarms Dictionary, 3AT34450ABAGDTZZA*

The following document describes the Northbound interface changes for the 7520 MGW:

- *Alcatel-Lucent Gateway Platform Software Release Notes for 5020 MGC-8, 5025 VSG, 5060 MGC-8/VSG, and 7520 MGW, 255-400-006R8.0.1.3* (See Chapter 4)

The following document describes the Northbound interface changes for the BTS:

- *Alcatel-Lucent Gateway Platform Release 8.0.1.0.13 Billing and Traffic System (BTS) Release Notes, 255-400-404R8.0.1.0.13* (See Appendix A)

The following document describes the Northbound interface changes for the 8615 IeCCF:

- *8615 Instant Enhanced Charging Collection Function (IeCCF) 28.1 Offline Charging Interface Specification, 270-725-059R28.1*

The following document describes the Northbound interface changes for the 8650 SDM:

- *Delta Observation Counters, Ganglia Counters, Alarms and Spontaneous Messages between 8650 SDM 2.1 SU1 & 8650 SDM 3.0, 3BL97933DAAAPCZZA*

You can also refer to the following solution-level document for additional information about interface changes for IMS 09.02.00 Network Elements:

- *IP Multimedia Subsystem Release 09.02.00 Solution Interface Changes Specifications, 275-100-050R09.02.00*

Changes to Southbound Interfaces

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

Alarm changes

There are no changes to report in this release. Please consult the NE-specific documentation for alarm changes in this release.

You can also refer to the following solution-level document for additional information about alarm changes for IMS 09.02.00 Network Elements:

-
- *IP Multimedia Subsystem Release 09.02.00 Solution Interface Changes Specifications, 275-100-050R09.02.00*

Message changes

There are no changes to report in this release. Please consult the NE-specific documentation for new messages or changes to messages in this release.

Port changes

The following document describes the port changes for the 1357 ULIS:

- *1357 FIREWALL RULES – REL12 (Excel Tool), 3BW37716LAAEQDZZA Ed. 05* (found under Downloads → Electronic Delivery → Tools and 1357 ULIS_Firewall-Rules)

The following document describes the port changes for the 5420 PCM:

- *Alcatel-Lucent 5420 Personal Communication Manager Release 7.1 Administration Guide, 255-491-001R7.1* (See Chapter 4)

The following document describes the port changes for the 5420 SCG:

- *1310 OMC-P for Linux Control Platform Application User Guide for Managing the 5420 CTS, the 5450 ISC, and the 5450 SCG, 255-400-420R15.0* (See Chapter 11)

The following document describes the port changes for the 5450 ISC:

- *Alcatel-Lucent Control Platform 1800/5400 IMS 9.0 – 9.2 Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the port changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution Ports and Protocols, 275-100-058R09.02.00*

The following document describes the port changes for the 7520 MGW:

- *Alcatel-Lucent Gateway Platform Release 8.0.1 Maintenance and Diagnostic Procedures Guide, 255-400-001R8.0.1* (See Appendix A)

The following document describes the port changes for the 8615 IeCCF:

- *8615 Instant Enhanced Charging Collection Function (IeCCF) 28.1 Operations, Administration, and Maintenance, 270-725-058R28.1*

The following document describes the port changes for the 8650 SDM:

-
- *Delta Port-Protocol Between 8650 SDM 2.1 SU1 & 8650 SDM 3.0, 3BL97600DAAADSZZA*

You can also refer to the following solution-level document for additional information about port changes for IMS 09.02.00 Network Elements:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution Ports and Protocols, 275-100-058R09.02.00*

Protocol changes

The following document describes the protocol changes for the 1357 ULIS:

- *1357 FIREWALL RULES – REL12 (Excel Tool), 3BW37716LAARQDZZA Ed. 05 (found under Downloads → Electronic Delivery → Tools and 1357 ULIS_Firewall-Rules)*

The following document describes the protocol changes for the 5420 PCM:

- *Alcatel-Lucent 5420 Personal Communication Manager Release 7.1 Administration Guide, 255-491-002R7.1 (See Chapter 4)*

The following document describes the protocol changes for the 5450 ISC:

- *Alcatel-Lucent Control Platform 1800/5400 IMS 9.0 – 9.2 Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the protocol changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution Ports and Protocols, 275-100-058R09.02.00*

The following document describes the protocol changes for the 8615 IeCCF:

- *8615 Instant Enhanced Charging Collection Function (IeCCF) 28.1 Offline Charging Interface Specification, 270-725-059R28.1*

The following document describes the protocol changes for the 8650 SDM:

- *Delta Port-Protocol Between 8650 SDM 2.1 SU1 & 8650 SDM 3.0, 3BL97600DAAADSZZA*

You can also refer to the following solution-level document for additional information about protocol changes for IMS 09.02.00 Network Elements:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution Ports and Protocols, 275-100-058R09.02.00*

System parameter changes

The following document describes the system parameter changes for the 1310 OMC-P:

- *Alcatel-Lucent 1310 OMC-P Release Software Release Notes for 5020 MGC-8, 5025 VSG, 5060 MGC-8/VSG, and 7520 MGW, 255-400-006R8.0.1.3* (See About this document and Chapters 11, 13, 14)

The following document describes the system parameter changes for the 1357 ULIS:

- *1357 System Parameters, 3BW95720LEABASZZA Ed. 01*

The following document describes the system parameter changes for the 5420 CTS:

- *Alcatel-Lucent 5420 Converged Telephony System (CTS) Release 7.1 Application User Guide, 275-900-366R7.1* (See Part I, Chapter 5)

The following document describes the system parameter changes for the 5420 PCM:

- *Alcatel-Lucent 5420 Personal Communication Manager Release 7.1 Administration Guide, 255-491-002R7.1* (See Chapters 4 and 12)

The following document describes the system parameter changes for the 5420 SCG:

- *1310 OMC-P for Linux Control Platform Application User Guide for Managing the 5420 CTS, the 5450 ISC, and the 5450 SCG, 255-400-420R15.0* (See Chapter 11)

The following document describes the system parameter changes for the 5450 ISC:

- *Alcatel-Lucent Control Platform 1800/5400 IMS 9.0 – 9.2 Alarm, Performance Measurement and MIB Release Differences, 270-900-878R20.1*

The following document describes the system parameter changes for the 5900 MRF:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution System Parameters, 275-100-057R09.02.00*

The following document describes the system parameter changes for the 8615 IeCCF:

- *8615 Instant Enhanced Charging Collection Function (IeCCF) 28.1 Operations, Administration, and Maintenance, 270-725-058R28.1*

The following document describes the system parameter changes for the 8650 SDM:

- *Delta Parameters Between 8650 SDM 3.0 & 8650 SDM 2.1 SUI IAP002, 3BL97364DAAAPCZZA*

You can also refer to the following solution-level document for additional information about system parameter changes for IMS 09.02.00 Network Elements:

- *IP Multimedia Subsystem (IMS) Release 09.02.00 Solution System Parameters, 275-100-057R09.02.00*



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
ISC	IMS 9.2.1 DR5	22.14.01.06	Fix verified in IMS 9.2.1 DR5	bevoip	Terminating calls to pbx prset user fails with 484 Address Incomplete when SIP forking in the profile.
ISC	IMS 9.2.1 DR5	ISC 22.14.01.06	Fix verified in IMS 9.2.1 DR5	core	SV caused when a target is listed with two entries (sip and tel) in the LIDB.
MGC-8	IMS 9.2.1 DR5	MGC-8 8.0.1.3	Fix verified in IMS 9.2.1 DR5	bevoip	Parameter modification is not allowed on trunk.
leCCF	IMS 9.2.1 DR5	R28.1 hotslide0103	Fix verified in IMS 9.2.1 DR5	core	When restoring a lost connection between LCP and leCCF after leCCF has been stopped, leCCF is not able to generate the billing records that were generated after leCCF was down. Billing records for calls during the outage of leCCF will be lost.
ISC	IMS 9.2.2 Maintenance Release	R22.14.01.07	Fix verified in IMS 9.2.1 DR5	apps	Empty line is unexpectedly added at the end of the SDP of the INVITE.
leCCF	IMS 9.2.2 Maintenance Release	R28.1 hotslide0103	Fix delivered Not E2E tested.	cvoip_dsl	Interim ACR will be rejected with 14 codecs.
SDM	IMS 9.2.1 DR5	SDM 3.0 IAP001	Fix verified in IMS 9.2.1 DR5	core	SDM iLB Cx/Sh connections not available.

6 Known issues



Overview

Purpose

This chapter describes NLT-reported issues that remain open in Release 09.02.01.

Known issues and workarounds

As of October 2010, 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 6-2 lists the severity 2 issues that were not resolved in the network element loads that were part of release IMS 09.02.00.

Table 6-1 NLT-reported severity 2 open issues from IMS 09.02.01

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
iAGCF	Targeted for IMS 9.2.2 Maintenance Release	R22.14.01.08	Fix Identified	psrn	ISAM-VGW not supporting Fax Fall-Back from G.711 to T.38 for LSV5.2 & IPBX-UNI.	This is a Litespan <-> ISAM-V interworking issue when Litespan is configured for V5.2 hubbing. Switching from G.711 to T.38 fails and faxes do not complete.

Table 6-2 NLT-reported severity 2 open issues from IMS 09.02.00

NE to Lead	Resolve Rls	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
8650 SDM	Targeted for IMS 9.2.2 Maintenance Release	R3.0 IAP002	Fix Identified	core	SDM Prset GUI unusable with large number of PrsetEndPointImpi.	Customers will be unable to query PRSET data when number of PRSET subscribers is 400K or greater. Workaround: querying data on OSS with a CORBA/SOAP interface is needed and bulk data scripts can be used to modify data in PRSET entries.

NE to Lead	Resolve RIs	Fixed in Load	Current Status	Solution(s)	Exception Description	Impact Statement / Workaround
PS/XDMS	Targeted for IMS 9.2.2 Maintenance Release	mcas 2.0.2	mcas provided	apps	DDM memory leak on the active pilot server.	<p>Impacted service: Presence</p> <p>Even without any traffic, both active and standby pilot servers are loosing 2% memory every 20 hours. When reaching the memory limit the whole cluster crashes and does not restart. A manual intervention is necessary.</p> <p>Workaround: Install the patch as described in mCAS 2.0.1 new Install Release notes in Appendix B. This patch will create a Crontab entry on both pilots, it will check the size of the process on the pilots every hour, and if it is greater than 500MB, will restart it.</p>



7 System requirements

Overview

Purpose

This chapter describes IMS GUI Java dependencies and compatibility restrictions.

Software requirements

IMS GUIs JAVA Dependency

Follow the steps listed below to install multiple Java based GUIs on a single PC

1. Minimum platform: Windows XP SP2 with 2GB RAM and Internet Explorer 7
2. Close all internet browser windows
3. Remove all JREs from the PC
4. Load Java 1.5.0.21 of the JRE 1.5 family
5. Load Java 1.6.0.20 of the JRE 1.6 family
6. Use all default settings for the internet browser and Java control panel
7. Set the Network Settings on the General Tab of the Java Control Panel to Direct Connection
8. Verify from the Java Control Panel that both JREs, 1.5 and 1.6, are enabled
9. If the PC is not using a local DNS:
 - i. Update the PC flat file C:\WINDOWS\system32\drivers\etc\hosts with the IP address and server name associated with each GUI
 - ii. Otherwise, if the PC is using a local DNS:

-
- iii. Update the DNS Server with the IP address and server name associated with each GUI.
10. Load the GUIs in any order:
- 8950 SAM GUI
 - 1310 OMC-P GUI
 - 1300 XMC GUI
 - 5420 CTS, 5420 SCG, 5450 ISC – LCP FSGUI and MIGUI
 - 8650 SDM HSS GUI
 - VitalQIP GUI
 - 5900 MRF GUI
 - 5420 PCM GUI (no GUI)
11. For Internet Browser GUIs, start each GUI in a separate Internet Explorer so the appropriate JRE is loaded. When installing the XMC GUI, select Accept for the certificate.

SUN Operating System Patch Level for Non-Integrated Components

Table 7-1 shows the SUN OS patch level for non-integrated components.

Table 7-1 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

Software licensing keys

There are no changes to software licensing keys in 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 09.02.00 to IMS 09.02.01. See the *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 09.02.00 Software Upgrade* document, 275-100-035R09.02.00, 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:

- *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 09.20.00 Software Upgrade 275-100-035R09.02.00*

Refer to the NE documentation for specific software upgrade information.

Upgrade paths

Upgrade to IMS 09.02.01 is supported from IMS 09.02.00. Network Elements may require multiple transitions to go from IMS 09.02.00 to IMS 09.02.01; refer to the specific NE documentation for further details.

Security hardening

Security hardening procedures and information for IMS Release 09.02.01 NEs are available on OLCS. Go to: <https://services.support.lucent.com/services/ims/>, then click on **Security Hardening Releases, IMS Release 09.02.00**. 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

AGCF

Access Gateway Control Function

ATCA

Advanced Telecommunications Computing Architecture

AR

Action Register

B

BTS

Billing and Traffic System

C

CLF

Connectivity Location Function

CMS

Converged Messaging System

CTS

Converged Telephony Server

CVoIP

Consumer Voice over IP

D

DHCP

Dynamic Host Configuration Protocol

DNS

Domain Name System

E

ENUM

tElephone Numbering Mapping

F

FTTN

Fiber To The Node

G

GUI

Graphical User Interface

I

IAS

IMS Application Server

ICC

Instant Convergent Charging

IeCCF

Instant enhanced Charging Collection Function

IMS

IP Multimedia System

ISAM

Intelligent Services Access Manager

ISC

IP Session Controller

L

LIG

Lawful Interception Gateway

M

MGC

Media Gateway Controller

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-P

Operations and Maintenance Center - Plus

P

PCM

Personal Communication Manager

PRBT

Personalized Ring Back Tone

PS

Presence Server

S

SAM

Services Activation Manager

SCG

Service Continuity Gateway

SDM

Subscriber Data Manager

SQM

Service Quality Manager

SSC

Subscriber Services Controller

U

ULIS
Unified Lawful Intercept Suite

V

VoIP
Voice over Internet Protocol

X

XDMS
XML Document Management Server

XMC
Cross-domain Management Center
