



# Alcatel-Lucent

IP MULTIMEDIA SUBSYSTEM RELEASE 9.3.1/

IP CALL SERVER RELEASE 2.1.2

SOLUTION SOFTWARE UPDATES EXTERNAL RELEASE NOTES

275-100-004R09.03.01.X  
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ISSUE 2



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# About this document

## Purpose

IP Multimedia Subsystem (IMS) Release 9.3.1 and IP Call Server (ICS) Release 2.1.2 software updates release letters incorporate changes of network element software updates on top of IMS release 9.3.1 and ICS release 2.1.2. The network element software updates are approved by IMS solution SACC (Software AR Change Control) assessment/testing or IMS solution fast feature.

Note: The SACC is a process whereby network element software update driven by customer ARs are assessed for interoperability impacts, and an evaluation on E2E testing need is made on each such software update.

The purpose of this document is to provide a general overview of IMS Release 9.3.1 and ICS Release 2.1.2 software updates. It includes network elements' software updates and their change history from IMS Release 9.3.1 and ICS release 2.1.2.

## Reason for revision

This is the first issue of the IMS Release 9.3.1 and ICS Release 2.1.2 Software Updates Release Notes document.

Change Location	Revision Reason	Issue
Table 1-2, Table 1-5	Add in NEs' software update in May	Issue 2
Table 1-3, Table 1-6	Mark out NE who has software updates in May	Issue 2
Table 3-2, Table 3-4	Add in issues resolved by NEs' software updates in May	Issue 2
Table 4-2, Table 4-4	Add in known issues of May software updates release	Issue 2

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## Intended audience

The intended audience for this document includes all personnel who need information about the IMS 9.3.1 and ICS 2.1.2 software updates, their 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 5, System Requirements, for information on systems supported in IMS Release 9.3.1 and ICS Release 2.1.2 software updates release note.

## 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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## How to comment

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# 1 Release components

## Overview

### Purpose

This chapter describes the software loads that comprise IMS Release 9.3.1 and ICS Release 2.1.2 software updates release and the documentation deliverables included in this release.

## Software deliverables

Table 1-1 lists network elements software loads that changed in April, 2011 compared with IMS Release 9.3.1. Table 1-2 lists network elements software loads that changed in May, 2011 compared with IMS Release 9.3.1. For the network elements not shown in the table, there is no change from IMS Release 9.3.1 as shown in Table 1-3 for reference.

Table 1-4 lists network elements software loads that changed in April, 2011 compared with ICS Release 2.1.2. Table 1-5 lists network elements software loads that changed in May, 2011 compared with ICS Release 2.1.2. For the network elements not shown in the table, there is no change from ICS Release 2.1.2 as shown in Table 1-6 for reference.

**Table 1-1 IMS Release 9.3.1 Software Update Release Identification - April, 2011**

Network Element/Application	Load Name in April IMS 9.3.1 Software Update	Load Name in IMS 9.3.1	Reason for Change
5750 Subscriber Services Controller (SSC) (for Connectivity Location Function (CLF) and Dynamic Host Configuration Protocol (DHCP) only)	SSC R3.4 R2	SSC R3.3 R2 + patch	Inclusion of 33333.657 Fast Feature - Geographic Redundancy for CLF on SSC

**Table 1-2 IMS Release 9.3.1 Software Update Release Identification - May, 2011**

Network Element/Application	Load Name in May IMS 9.3.1 Software Update	Load Name in IMS 9.3.1	Reason for Change
1310 Operations and Maintenance Center – Plus (OMC-P)	15.1.3.0	15.1.2.0	Fix AR
5060 Media Gateway Controller – 8 (ATCA)	R8.1.0.5.SP.3	R8.1.0.4	Fix AR
5420 Converged Telephony Server (CTS)	R22.20.01 Plus patch R22.20.01.08	R22.20.01 Plus patch R22.20.01.05	Fix AR
5450 IP Session Control (ISC)	R22.20.01 Plus patch R22.20.01.08	R22.20.01 Plus patch R22.20.01.05	Fix AR
7510 Media Gateway (MGW)	7510.R331.B08B.S1	7510.R331.B07.S1.01.03	Fix AR

**Table 1-3 IMS Release 9.3.1 Software Release Identification**

<b>Network Element/Application</b>	<b>Load Name in IMS 9.3.1</b>	<b>Load Changed Since IMS 9.3.1?</b>
1300 Cross Management Center (XMC)	R7.0.5.5 Plus R7.0.5 IAP006	NO
1310 Operations and Maintenance Center – Plus (OMC-P)	15.1.2.0	YES
1357 Unified Lawful Intercept Suite (ULIS) Lawful Interception Gateway (LIG)	R12.5.2 ed06	NO
1540 Litespan	R3.2.60	NO
5020 Media Gateway Controller – 8 (MGC-8)	R8.1.0.4.SP1	NO
5060 Media Gateway Controller – 8 (ATCA)	R8.1.0.4	YES
5100 Converged Messaging System (CMS)	CMS-R11	NO
5410 Presence Server (PS)/ XML Document Management Server (XDMS)	5350 mCAS IAS 2.0.2 5. 1 SP2.1	NO
5420 Converged Telephony Server (CTS)	R22.20.01 Plus patch R22.20.01.05	YES
5420 Personal Communication Manager (PCM)	PCM 7.1.1	NO
5420 Service Continuity Gateway (SCG)	R22.14.01 Plus patch R22.14.01.08	NO
Co-Resident 5410 PS/XDMS and 5430 Multimedia Instant Messaging (MMIM)	5350 mCAS IAS 2.0.1 MMIM_PsXdms_5.1SP 2_Cores_DR4  Plus patch 5350 mCAS IAS2.0.2 MMIM_PsXdms_5.1_C ores- SP2.1_patches_2011_01 _27	NO
5450 IP Session Control (ISC)	R22.20.01 Plus patch R22.20.01.05	YES
5750 Subscriber Services Controller (SSC) (for Connectivity Location Function (CLF) and Dynamic Host Configuration Protocol (DHCP) only)	SSC R3.3 R2 + patch	YES
5900 Media Resource Function (MRF)	MRF 7.1.0 + unitary patch 26184	NO
5900 Personalized Ring Back Tone (PRBT) CMS	CDS-IP R3.0 CMS R3.1.3	NO
7302 Intelligent Services Access Manager (ISAM)-V/7330 Intelligent Service Access Manager (ISAM) Fiber to the Node (FTTN)	R4.1.0.3	NO
7302 ISAM/7330 ISAM FTTN	OLT R4.0.10 ONT R4.0.40	NO

Network Element/Application	Load Name in IMS 9.3.1	Load Changed Since IMS 9.3.1?
7510 Media Gateway (MGW)	7510.R331.B07.S1.01 .03	YES
7515 Media Gateway (MGW)	7515m2.4B0120	NO
7515 SIP-MGW	7515R31S B0110	NO
7520 Media Gateway (MGW)	R8.1.0.4.SP1	NO
7750 Service Router	7750_R7.0_R6	NO
8610 Instant Convergent Charging (ICC)	ICC R5.1	NO
8615 Instant enhanced Charging Collection Function (IeCCF) (T2000, 5440)	MAS R28SU2 patch220 IeCCF 28.2	NO
8650 Subscriber Data Manager (SDM) (HSS on ATCA)	8650 SDM R3.0 IAP002 Plus Alert 11-0010	NO
8660 My TeamWork	ACS8.1 MR2	NO
8920 Service Quality Manager (SQM)	R4.1.5	NO
8950 Services Activation Manager (SAM) (Sun/Linux Platform)	R17.0.1.5	NO
8965 C3S	4.5.4.1	NO
Acme Packet Session Director (4500)	Cx6.1.0m2p4	NO
Billing and Traffic System (BTS)	BTS_8-1-0-0-32	NO
Cellpipe	6VeA2100 firmware V1.4.0.13AEG	NO
Comneon RCS Client	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	NO
Motive Service Management Platform	1.0 (SMP 4.2.3)	NO
OmniAccess 8550 Web Services Gateway (WSG)	R3.2.9056	NO
OXE OmniPCX Enterprise	R9.1 version I1.605.13	NO
VitalQIP® and VitalQIP® ENUM Manager	VitalQIP R7.2 PR1  DNS R4.2 (BIND 9.5.1-P3)  ENUM R1.3	NO

**Table 1-4 ICS Release 2.1.2 Software Updates Release identification - April, 2011**

Network Element/Application	Load Name in ICS 2.1.2 Software Updates	Load Name in ICS 2.1.2	Reason for Change
None	None	None	None

**Table 1-5 ICS Release 2.1.2 Software Updates Release identification - May, 2011**

Network Element/Application	Load Name in ICS 2.1.2 Software Updates	Load Name in ICS 2.1.2	Reason for Change
1310 Operations and Maintenance Center – Plus (OMC-P)	15.1.3.0	15.1.2.0	Fix AR
5060 Media Gateway Controller – 8 (ATCA)	R8.1.0.5.SP.3	R8.1.0.1	Fix AR
5060 ICS The 5060 ICS includes: - 5420 CTS - 5450 ISC - iAGCF - iHSS - iCCF - iSLF - iCRF - iLIDF	R22.20.01 Plus patch R22.20.01.08	R22.20.01.00 Plus patch R22.20.01.05	Fix AR
7510 Media Gateway (MGW)	7510.R331.B08B.S1	7510.R331.B06.S1.01.03	Fix AR

**Table 1-6 ICS Release 2.1.2 software release identification**

Network Element/Application	ICS 2.1.2	Load changes from ICS 2.1.2
1300 XMC	R7.0.5.6 Plus R7.0.5 IAP007	NO
1310 OMC-P	R15.01.02.00	YES

Network Element/Application	ICS 2.1.2	Load changes from ICS 2.1.2
1357 ULIS (LIG)	R12.5.2 ed.06	NO
1540 Litespan	R3.2.66	NO
5020 MGC-8	R8.1.0.4 SP1	NO
5060 MGC-8	R8.1.0.1	YES
5060 ICS The 5060 ICS includes: - 5420 CTS - 5450 ISC - iAGCF - iHSS - iCCF - iSLF - iCRF - iLIDF	R22.20.01.00 plus patch: R22.20.01.05	YES
5100 CMS	R11	NO
5410 PS/XDMS	5.1 SP2.1 5350 mCAS IAS 2.0.2	NO
Co-Resident 5410 PS/XDMS and 5430 MMIM	MMIM_PsXdms_R5.1S P2.1_CoRes 5350 mCAS IAS 2.0.1	NO
5420 PCM	PCM 7.1.1	NO
5420 SCG	R22.14.01 Plus patch R22.14.01.08	NO
5900 MRF	MRF R7.1.0 + Unitary patch 26184	NO
6850 OmniSwitch	6.3.1.1176R01	NO

Network Element/Application	ICS 2.1.2	Load changes from ICS 2.1.2
7302 ISAM-V/7330 ISAM-V	ISAM-V-R41 R4.1.0.3	NO
7302 ISAM/7330 ISAM FTTN	OLT R4.0.10 ONT R4.0.40	NO
7510 MGW	7510.R331.B06.S1.01.0 3	YES
7515 MGW	7515m2.4B0120	NO
7515 SIP-MGW	7515 R31S B0110	NO
8650 SDM (HSS on ATCA)	8650 SDMR3.0 IAP002 Plus Alert 11-0010	NO
BTS	BTS-8.1.0.0.42	NO
VitalQIP® and VitalQIP® ENUM Manager	VitalQIP® R7.2.PR1 DNS R4.2 (BIND 9.5.1-P3) ENUM R1.3	NO

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## How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

## Document deliverables

The solution documentation available for IMS Release 9.3.1 software updates release is the same as IMS Release 9.3.1. Please refer to IMS 9.3.1 external release note for details:  
*IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*

The solution documentation available for ICS Release 2.1.2 software updates release is the same as ICS Release 2.1.2. Please refer to ICS 2.1.2 external release note for details:  
*IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

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 documents) under IMS Solution Level Documentation. (You can refine your search by selecting the release number in the Release pull-down menu.)

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.

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

To obtain ICS Solution documentation, do the following:

1. Go to (<https://services.support.alcatel-lucent.com/services/ics/>).
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 ICS Solution Level Documentation.

To obtain product documentation, do the following:

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





# 2 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 IMS Release 9.3.1 software updates and IMS Release 9.3.1, ICS Release 2.1.2 software updates and ICS Release 2.1.2.

## Interface changes

### Changes to Northbound Interfaces

None.

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about interface changes for IMS 9.3.1 network elements and ICS2.1.2 network elements.

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

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## Changes to Southbound Interfaces

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

## Alarm changes

None.

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about alarm changes for IMS 9.3.1 network elements and ICS2.1.2 network elements.

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

## Message changes

None.

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

## Port changes

None.

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about port changes for IMS 9.3.1 network elements and ICS2.1.2 network elements.

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

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## Protocol changes

None.

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about protocol changes for IMS 9.3.1 network elements and ICS2.1.2 network elements.

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

## System parameter changes

None.

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about system parameter changes for IMS 9.3.1 network elements and ICS2.1.2 network elements.

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*





# 3 Resolved issues

## Overview

### Purpose

This chapter describes customer-reported ARs resolved in IMS Release 9.3.1 software updates and ICS Release 2.1.2 software updates.

## Resolved issues

**Table 3-1 Issues Resolved in IMS 9.3.1 Software Updates of April 2011**

AR #	AR Description	NE	Fixed in Load
None	None	None	None

**Table 3-2 Issues Resolved in IMS 9.3.1 Software Updates of May 2011**

AR #	AR Description	NE	Fixed in Load
3036740	OMC-P shows new JIP range "Enter value between: 1-999999", it's not matching the switch 100000-999999. OMC-P show "Enter value between: 1-999999 but enter "1" got Error. Affected objects are Route Digits, Digit Screen and Digit Mod Param.	1310 OMC-P	15.1.3.0
3078980	Invalid timestamp in alarm trap message for LCP when normalized	1310 OMC-P	15.1.3.0
3080222	Invalid omcAlarmType, omcProbableCause and omcPerceivedSeverity in alarm trap message for LCP when normalized	1310 OMC-P	15.1.3.0
3126148	NGN2 TYPO : Second digit tone digit map link to AGCF digit table incorrectly in OMC-P	1310 OMC-P	15.1.3.0
3127863	OMC-P incorrectly populates varbind object when forwarding MRF alarm trap to TeMIP	1310 OMC-P	15.1.3.0
3143221	Communication path Primary billing server disconnected	1310 OMC-P	15.1.3.0
2643649	ISUP CGPN to SIP interworking not working per RFC3398	5060 MGC-8	R8.1.0.5.SP.3
282878	The CGPN is missing for ISDN->ISUP calls when both sides are on the same LNG (intra-CCS) and the SETUP message from the ISDN side does not contain both a Screening Indicator and a Presentation Indicator	5060 MGC-8	R8.1.0.5.SP.3
2946170	Added a new value "globalInvTmOut-<timer >" for cust1, cust2, cust3 parameters in PRFL-SIP. This value is used to control the ingress INVITE transaction life time.	5060 MGC-8	R8.1.0.5.SP.3
3038094	A linkset alarm needs to be cleared when the linkset is activated and brought in-service after being remotely blocked.	5060 MGC-8	R8.1.0.5.SP.3
2990269	some IMS ITS calls towards the GSM networks are marked as ONNET in the CDRs	5450 ISC	R22.20.01 Plus patch R22.20.01.08
2998853	PSNT to GP intercepted (TEL) => LEA receives 2	5450 ISC	R22.20.01 Plus patch R22.20.01.08
3062950	When calling from PSTN to the UMS, RTCF/TrF function of the LSM is triggered.	5450 ISC	R22.20.01 Plus patch

	Problem is that this RTCF function performs an HSS query for every such call, consultation or deposit. In production, as ALL PSTN customers will be migrated to the UMS on IMS, this will induce a much bigger load on the HSS		R22.20.01.08
3128394	Timestamps in the ICS CDRs are in GMT instead of local time	5450 ISC	R22.20.01 Plus patch R22.20.01.08
3149950	NGN call to IMS targeted but there is no interception	5450 ISC	R22.20.01 Plus patch R22.20.01.08
3170744	No timer parameter to set for warm line (currently ring the warmline 15 seconds after offhook)	5450 ISC	R22.20.01 Plus patch R22.20.01.08
3111288	Need to generate "received digits" field in 3GPP CDR for Q.825 "receivedDigits" field mapping	5420 CTS	R22.20.01 Plus patch R22.20.01.08
3121049	7510 MGW upgrade from 322 B02b to R311 B06 gave BPF errors during Non-Hitless Upgrade	7510 MGW	7510.R331.B08B.S1
3214918	BICC basic call,CS call IMS no voice	7510 MGW	7510.R331.B08B.S1
3226019	Failed to BICC basic call between IMS and CS by Description Ericsson GW exchange.	7510 MGW	7510.R331.B08B.S1

**Table 3-3 Issues Resolved in ICS 2.1.2 Software Updates of April 2011**

AR #	AR Description	NE	Fixed in Load
None	None	None	None

**Table 3-4 Issues Resolved in ICS 2.1.2 Software Updates of May 2011**

AR #	AR Description	NE	Fixed in Load
3036740	OMC-P shows new JIP range "Enter value between: 1-999999", it's not matching the switch 100000-999999. OMC-P show "Enter value between: 1-999999 but enter "1" got Error. Affected objects are Route Digits, Digit Screen and Digit Mod Param.	1310 OMC-P	15.1.3.0
3078980	Invalid timestamp in alarm trap message for LCP when normalized	1310 OMC-P	15.1.3.0
3080222	Invalid omcAlarmType, omcProbableCause and omcPerceivedSeverity in alarm trap message for LCP when normalized	1310 OMC-P	15.1.3.0
3126148	NGN2 TYPO : Second digit tone digit map link to AGCF digit table incorrectly in OMC-P	1310 OMC-P	15.1.3.0
3127863	OMC-P incorrectly populates varbind object when forwarding MRF alarm trap to TeMIP	1310 OMC-P	15.1.3.0
3143221	Communication path Primary billing server disconnected	1310 OMC-P	15.1.3.0
2643649	ISUP CGPN to SIP interworking not working per RFC3398	5060 MGC-8	R8.1.0.5.SP.3
282878	The CGPN is missing for ISDN->ISUP calls when both sides are on the same LNG (intra-CCS) and the SETUP message from the ISDN side does not contain both a Screening Indicator and a Presentation Indicator	5060 MGC-8	R8.1.0.5.SP.3
2946170	Added a new value "globalInvTmOut-<timer >" for cust1, cust2, cust3 parameters in PRFL-SIP. This value is used to control the ingress INVITE transaction life time.	5060 MGC-8	R8.1.0.5.SP.3
3038094	A linkset alarm needs to be cleared when the linkset is activated and brought in-service after being remotely blocked.	5060 MGC-8	R8.1.0.5.SP.3
2990269	some IMS ITS calls towards the GSM networks are marked as ONNET in the CDRs	5060 ICS	R22.20.01 Plus patch R22.20.01.08
2998853	PSNT to GP intercepted (TEL) => LEA receives 2	5060 ICS	R22.20.01 Plus patch R22.20.01.08
3062950	When calling from PSTN to the UMS, RTCF/TrF function of the LSM is triggered. Problem is that this RTCF function performs an HSS query for every such call, consultation or deposit. In production, as ALL PSTN customers will be migrated to the UMS on IMS, this will induce a much bigger load on the HSS	5060 ICS	R22.20.01 Plus patch R22.20.01.08
3128394	Timestamps in the ICS CDRs are in GMT instead of local time	5060 ICS	R22.20.01

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			Plus patch R22.20.01.08
3149950	NGN call to IMS targeted but there is no interception	5060 ICS	R22.20.01 Plus patch R22.20.01.08
3170744	No timer parameter to set for warm line (currently ring the warmline 15 seconds after offhook)	5060 ICS	R22.20.01 Plus patch R22.20.01.08
3111288	Need to generate "received digits" field in 3GPP CDR for Q.825 "receivedDigits" field mapping	5060 ICS	R22.20.01 Plus patch R22.20.01.08
3121049	7510 MGW upgrade from 322 B02b to R311 B06 gave BPF errors during Non-Hitless Upgrade	7510 MGW	7510.R331.B08B.S1
3214918	BICC basic call,CS call IMS no voice	7510 MGW	7510.R331.B08B.S1
3226019	Failed to BICC basic call between IMS and CS by Description Ericsson GW exchange.	7510 MGW	7510.R331.B08B.S1





# 4 Known issues

## Overview

### Purpose

This chapter describes known issues and workaround in IMS Release 9.3.1 software updates and ICS Release 2.1.2 software updates.

## Known issues and workarounds

Following tables list the known issues and workaround in IMS Release 9.3.1 software updates and ICS Release 2.1.2 software updates.

**Table 4-1 Known issues and workaround in IMS9.3.1 software updates of April 2011**

NE	Fixed in Load	Current Status	Exception Description	Impact Statement / Workaround
1310 OMC-P	Planned R15.1.x	In Progress	The alarm Creation Time is not correct for PCM alarms on OMCP.	Timezone on PCM and OMC-P must be set to GMT for accurate alarm creation time value.
1310 OMC-P	R16	Closed	OMC-P cannot get the 5900 MRF PM data correctly.	MRF GUI should be used to view MRF PM data.
5410 PS/XDMS	Under Investigation	Under Investigation	The PUBLISH message for LVC Presence enabled users fails with Topology Hiding.	Enhanced topology hiding feature is not supported.
5410 PS/XDMS	Planned R7	In Progress	Re-generation of presence subscription : Subscription is terminated	With specific conditions, a subscription agreement could not be seen by the originator

**Table 4-2 Known issues and workaround in IMS9.3.1 software updates of May 2011**

NE	Fixed in Load	Current Status	Exception Description	Impact Statement / Workaround
1310 OMC-P	15.1.3.1	Closed	Add a user by PCM admin gui and then sync PCM in OMC-P side. Found the subscriber information has been synced to OMC-P, but the Web portal feature assign is still set to no. Try to activate it by setting to yes, then the subscriber information is lost	PCM and OMC-P not fully synced when adding a new user
5410 PS/XDMS	Under Investigation	Under Investigation	The PUBLISH message for LVC Presence enabled users fails with Topology Hiding.	Enhanced topology hiding feature is not supported.
5410 PS/XDMS	Planned in R7	In Progress	Re-generation of presence subscription : Subscription is terminated	With specific conditions, a subscription agreement could not be seen by the originator
5450 ISC	Planned in R22.20.02.02	In Progress	H248 send same IP/port to MGW which makes call waiting fail	Do not use RFC2543 to send hold SDP

Table 4-3 Known issues and workaround in ICS2.1.2 software updates of April 2011

NE	Fixed in Load	Current Status	Exception Description	Impact Statement / Workaround
1310 OMC-P	R15.1.3	Closed	When a switch is quarantined and a duplex subscriber is added on the primary switch of a GR pair, not all of the subscriber information is copied to the protection switch during a recovery via EMS down sync	The workaround to run after completing the EMS static down sync but before unquarantine is to: * On active switch FSDB directory: dbdump -noversion -u lssdba -p lssdba -table fsdb0.rlagcf_gw_ep * Copy fsdb0.rlagcf_gw_ep from active switch FSDB directory to recovered switch FSDB directory * From the recovered switch FSDB directory dbload -noversion -u lssdba -p lssdba -table fsdb0.rlagcf_gw_ep -rm
1310 OMC-P	R15.1.3	In Progress	Failed to support several TL1 changes introduced from 8.1.0.4	OMC-P can't support adding STG PC alias because usrType is changed at MGC-8 side. OMC-P can't display the new parameter usrType added to STC PCOWN.
1540 Litespan	Planned R3.2.70	In Progress	Litespan VGW 3-way Conference does not join calls on 2nd flash if MRF has video allowance enabled	Litespan VGW SIP 3-way conference is working if 5900 MRF is configured to disable all video
5060 MGC-8	R8.1.0.5 SP3	Closed	When an mgc-mgassoc is entered on any ADCM/ACCM card, both the active and standby cards may reboot due to missing critical files which are mistakenly removed by a cron job	The preventive action: Perform a double failover of the ADCM or ACCM pair that is targeted for a MGC-MG Association. The new MGC-MG association should be configured within a 48 hour window
7302 ISAM-V VGW	Planned R4.1.0.4	In Progress	3way call fails with 7510 as bgw for VGW users	ISAM-V VGW SIP 3-way conference is working if 5900 MRF is configured to disable all video (audio-only)

**Table 4-4 Known issues and workaround in ICS2.1.2 software updates of May 2011**

NE	Fixed in Load	Current Status	Exception Description	Impact Statement / Workaround
1310 OMC-P	15.1.3.1	Closed	Add a user by PCM admin gui and then sync PCM in OMC-P side. Found the subscriber information has been synced to OMC-P, but the Web portal feature assign is still set to no. Try to activate it by setting to yes, then the subscriber information is lost	PCM and OMC-P not fully synced when adding a new user
1540 Litespan	Planned R3.2.70	In Progress	Litespan VGW 3-way Conference does not join calls on 2nd flash if MRF has video allowance enabled	Litespan VGW SIP 3-way conference is working if 5900 MRF is configured to disable all video
5060 ICS	Planned in R22.20.02.02	In Progress	H248 send same IP/port to MGW which makes call waiting fail	Do not use RFC2543 to send hold SDP
7302 ISAM-V VGW	Planned R4.1.0.4	In Progress	3way call fails with 7510 as bgw for VGW users	ISAM-V VGW SIP 3-way conference is working if 5900 MRF is configured to disable all video (audio-only)

# 5 System requirements



## Overview

### Purpose

This chapter describes software dependencies, hardware requirements, and compatibility restrictions.

## Software requirements

There are no changes to software requirements compared with IMS9.3.1 and ICS2.1.2

You can also refer to IMS9.3.1 release note and ICS2.1.2 release note for additional information about their software requirements

- *IMS Solution Release 09.03.01 Solution External Release Notes, 275-100-004R09.03.01*
- *IP Call Server Release 02.01.02 External Release Letter, 270-310-104R02.01.02*

## Software licensing keys

There are no changes to software licensing keys compared with IMS9.3.1 and ICS2.1.2. See the specific NE documentation for more information.

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## 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 Release 9.3.1 to IMS Release 9.3.1 software updates. See the *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 09.03.00 Software Upgrade* document, 275-100-035R09.03.00, and specific NE documentation for more information. The specific upgrade path must be provided by each NE.

Backward compatibility is supported for the ICS solution software upgrade sequence from ICS Release 2.1.2 to ICS Release 2.1.2 software updates. See the *IP Call Server Release 02.01.00 Solution Software Upgrade* document, 270-310-103R02.01.00 and specific NE documentation for more information. The specific upgrade path must be provided by each NE.



# 6 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

There are no changes to installation and upgrade sequence compared with IMS9.3.1 and ICS2.1.2

You can also refer to following solution-level documents which describe the recommended installation and upgrade sequence for the IMS9.3.1 and ICS2.1.2 network elements respectively:

- *Alcatel-Lucent Internet Protocol Multimedia Subsystem (IMS) Solution 09.03.00 Software Upgrade 275-100-035R09.03.00*
- *IP Call Server Release 02.01.00 Solution Software Upgrade document, 270-310-103R02.01.00*

Refer to the NE documentation for specific software upgrade information.

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## Upgrade paths

Upgrade to IMS Release 9.3.1 software updates is supported. Network Elements may require multiple transitions to go to IMS Release 9.3.1 software updates, refer to the specific Network Element documentation for further details.

Upgrade to ICS Release 2.1.2 software updates is supported. Network Elements may require multiple transitions to go to ICS Release 2.1.2 software updates, refer to the specific Network Element documentation for further details

## Security hardening

There are no changes to security hardening procedure and information compared with IMS9.3.1 and ICS2.1.2.

Security hardening procedures and information for IMS Release 9.3.1 and ICS Release 2.1.2 network elements are available on OLCS.

To obtain IMS security hardening procedures, do the following:

1. Go to: <https://services.support.alcatel-lucent.com/services/ims/>
2. After a successful login, select **Security Hardening Releases**
3. Then select **Security Hardening IMS Release 09.03.00**

From this page, you can click on each network element 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



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## A

### **AGCF**

Access Gateway Control Function

### **ATCA**

Advanced Telecommunications Computing Architecture

### **AR**

Action Register

### **ASR**

Application Server Runtime

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## B

### **BTS**

Billing and Traffic System

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## C

### **CLF**

Connectivity Location Function

### **CMS**

Converged Messaging System

### **CTS**

Converged Telephony Server

### **CVoIP**

Consumer Voice over IP

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## D

### **DHCP**

Dynamic Host Configuration Protocol

### **DNS**

Domain Name System

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## E

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**ENUM**

tElephone Numbering Mapping

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**F****FTTN**

Fiber To The Node

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**G****GUI**

Graphical User Interface

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**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

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**L****LIG**

Lawful Interception Gateway

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**M****mCAS**

modular Converged Application Server

**MAS**

MiLife® Application Server

**MGC**

Media Gateway Controller

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**MGW**

Media Gateway

**MMIM**

Multimedia Instant Messaging

**MRF**

Media Resource Function

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**N****NE**

Network Element

**NLT**

Network Level Test

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**O****OAM**

Operations, Administration, Maintenance

**OLCS**

OnLine Customer Support

**OMC-P**

Operations and Maintenance Center - Plus

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**P****PCM**

Personal Communication Manager

**PRBT**

Personalized Ring Back Tone

**PS**

Presence Server

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**S****SACC**

Software AR Change Control

**SAM**

Services Activation Manager

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**SCG**  
Service Continuity Gateway

**SDM**  
Subscriber Data Manager

**SQM**  
Service Quality Manager

**SSC**  
Subscriber Services Controller

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**U**

**ULIS**  
Unified Lawful Intercept Suite

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**V**

**VoIP**  
Voice over Internet Protocol

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**W**

**WSG**  
Web Services Gateway

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**X**

**XDMS**  
XML Document Management Server

**XMC**  
Cross-domain Management Center

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