



Alcatel-Lucent

INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS) SOLUTION
06.01.11

EXTERNAL RELEASE NOTES

Alcatel-Lucent
Proprietary - Use only pursuant to Company instruction

275-100-
004R06.01.11
JUNE 2008
ISSUE 1

Alcatel, Lucent, Alcatel-Lucent and the Alcatel-Lucent logo are trademarks of Alcatel-Lucent. All other trademarks are the property of their respective owners.

The information presented is subject to change without notice. Alcatel-Lucent assumes no responsibility for inaccuracies contained herein.

Copyright © 2008 Alcatel-Lucent. All Rights Reserved.

Contents



| | | |
|----------|--|------------|
| | About this document | v |
| | 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 |
| 1 | Release components | 1-1 |
| | Overview..... | 1-1 |
| | Purpose..... | 1-1 |
| | Software deliverables..... | 1-2 |
| | How to obtain software..... | 1-7 |
| | NE to Solution Mapping..... | 1-8 |
| | Document deliverables..... | 1-8 |
| | To obtain documentation..... | 1-8 |
| 2 | New features | 2-1 |
| | Overview..... | 2-1 |
| | Purpose..... | 2-1 |
| | New features..... | 2-1 |
| | Functionality..... | 2-3 |
| | Enhancements..... | 2-3 |
| 3 | Test results | 3-1 |
| | Overview..... | 3-1 |
| | Purpose..... | 3-1 |
| | Test results..... | 3-2 |
| | Exit criteria..... | 3-2 |
| 4 | Changes to interfaces, alarms, and messages | 4-1 |
| | 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..... | 4-2 |
| 5 | Resolved issues | 5-1 |
| | Overview..... | 5-1 |
| | Purpose..... | 5-1 |
| | Resolved issues | 5-2 |
| 6 | Known issues | 6-1 |
| | Overview..... | 6-1 |
| | Purpose..... | 6-1 |
| | Known issues and workarounds..... | 6-2 |
| 7 | System requirements | 7-1 |
| | 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..... | 7-3 |
| | Hardware requirements..... | 7-4 |
| | Compatibility restrictions..... | 7-5 |
| 8 | Installation and upgrade notes | 8-1 |
| | Overview..... | 8-1 |
| | Purpose..... | 8-1 |
| | Performing first-time installation..... | 8-1 |
| | Performing upgrades..... | 8-1 |
| | Upgrade paths | 8-1 |
| | Security hardening | 8-2 |
| | Acronym List | 1 |

About this document



Purpose

The purpose of this document is to provide a general overview of the IP Multimedia Subsystem (IMS) Release 06.01.11, 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 06.01.11.

Reason for reissue

This is the first issue of the IMS Release 06.01.11 Release Notes.

Intended audience

The intended audience for this document includes all personnel who need information about the IMS 06.01.11 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 06.01.11.

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.lucent.com>).

How to comment

To comment on this document, go to the Online Comment Form (<http://www.lucent-info.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 06.01.11, the maintenance release schedule, and the documentation deliverables included in this release.

Software deliverables

Table 1-1 lists the loads that comprise Release 06.01.11. New elements and new or changed load names are shown in bold type face.

Table 1-1 Software Release Identification

| Network Element/Application | Load Name in IMS Release 06.01.10 | Load Name in IMS Release 06.01.11 | Load Changed Since IMS Release 06.01.10 |
|---|---------------------------------------|---------------------------------------|---|
| 2Wire RGBWs | 5.29.15-eval3 | 5.2.9.15-eval3 | No |
| 1300 Cross Management Center (XMC) | XMC R6.1.0.6 | XMC R6.1.1.5 | Yes |
| 1390 GUP | UPP4.3.1.R1S1P1 ENSUPP4.3.1.R1S1P1 | UPP4.3.1.R1S1P1 ENSUPP4.3.1.R1S1P1 | No |
| 5020 AGCF | AGCF5_0_R1S3 | AGCF5_0_R1S3 | No |
| 5350 IMS Application Server (IAS) (Presence, XDMS, P2X) | R4.0 SP3.2 + Patches | R4.0 SP3.2 + Patches | No |
| 5350 Voice Call Continuity Server (VCC) | SCR3.1 0R1S1A16 (1.1.28) | SCR3.1 0R1S1A16 (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 |
| 7302 ISAM-V | R3.4.01 | R3.4.01 | No |
| 7510 Media Gateway | R2.6 | R2.6 | No |

| | | | |
|---------------------------------------|---|---|-----|
| (MGW) | | | |
| 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 |
| 8680 Video Voice Mail Box | 3.0.04 patch012 | 3.0.04 patch012 | No |
| 8688 MRF | 6.1.3/ACS 7.0.0b3566 | 6.1.3/ACS 7.0.0b3566 | No |
| Acme Packet Net-Net EMS | R5.0.0 | R6.0.0p1 | Yes |
| Acme Packet Session Director (4250) | C5.0.0p15 C5.1.1.p3 | C5.0.0p15 C5.1.1.p3 ¹ | No |
| Acme Packet Session Director (9200) | N/A | D5.1.0p1 | N/A |
| AnyPath | AnyPath-R8.2-SU4 | AnyPath-R8.2-SU4 | No |
| Audiocodes – IPM2K | Audio-Codes-IPM1610_SIP_F5.00A.032.003 Audio-Codes for Compact IMS 5.20A.015.004 | Audio-Codes-IPM1610_SIP_F5.00A.032.003 Audio-Codes for Compact IMS - 5.20A.015.004 | No |
| Audiocodes – IPM5K | Audio-Codes-C_IPM5K_R5.0.50-1.1a | Audio-Codes-C_IPM5K_R5.0.50-1.1a | No |
| eSM | PA-RISC-eSM: eSM-01.26.06 P6 Itanium – eSM: eSM-01.26.06 P6 | PA-RISC-eSM: eSM-01.26.06 P7 Itanium – eSM: ² eSM-01.26.06 P7 | Yes |
| IMS-PC Client | IMS-PC-Client-R1.3.4-Mtce-v1713 | IMS-PC-Client-R1.3.4-Mtce-v1713 | No |

¹ This is a Controlled Introduction load for sites with 5350 deployment.

² Itanium version of eSM not tested by NLT

| | | | |
|---|--|--|-----|
| Intelligent Services Gateway (ISG) | ISG-08.00.00.03 MAS-R26SU4-p0410 ³ (ltmasr26-p0410) LTRET-0026-0006 (Platform GD9.6) | ISG-08.00.00.03 MAS-R26SU4-p0410 ³ (ltmasr26-p0410) LTRET-0026-0006 (Platform GD9.6) | No |
| Intellivic Client | Intellivic 1.2.0.3000 | Intellivic 1.2.0.3000 | No |
| Lucent Communication Manager (LCM) | LCM-R6.3.4_D_Build105 Red Hat Linux Version3 Update8 | LCM-R6.3.4_F_Build116 Red Hat Linux Version3 Update8 | Yes |
| Lucent Control Platform (LCP) (includes Feature Server 5000, Feature Server 2500, Lucent Session Manager) | R14.25.00.06 | R14.25.01 ⁴ R14.25.01.03 | Yes |
| Lucent Network Controller (LNC) | 6.3.0.2.SP4 | 6.3.0.4.SP4 | Yes |
| Lucent Network Gateway for solutions with a Lucent Network Controller-based MGCF (Plexus) | 6.3.0.2.SP4 | 6.3.0.4.SP4 | Yes |
| 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 |
| Lucent Security Management Software (LSMS) | 9.1.261c | 9.1.299 | Yes |
| Lucent Signaling Gateway | 6.3.0.2.SP4 | 6.3.0.4.SP4 | Yes |

³ MAS Platform Upgrade to R26SU4 is required before applying MAS R26SU4-b0410 patch.

⁴ LCP upgrade to 14.25.01 is required before applying 14.25.01.03 patch.

| | | | |
|--|--|--|-----|
| Lucent VPN Firewall (LVF) | 9.1.261c | 9.1.299 | Yes |
| MGC-12 | R2.2.7.13 | R2.2.7.13 | No |
| OMC-CN | OMC-CN-R3.0.U3 OMC-CN-R3.0.U4 Need to do this in order since U4 depends on U3 being installed | OMC-CN-R3.0.U3 OMC-CN-R3.0.U4 Need to do this in order since U4 depends on U3 being installed | No |
| OMC-H | OMC-H-07.05.01.06.12 OMC-H-07.05.01.06 | OMC-H-07.05.01.06.12 ⁵ OMC-H-07.05.01.06 | No |
| OMC-P | R11.0.1.0 | R11.1.0.2 | Yes |
| PCTel ⁶ | PCTel-V2.00.23 | PCTel-V2.00.23 | No |
| Plexus BTS | BTS-6.3.0.0.20 | BTS-6.3.1.0.8 TCA 2.0.0.116 | Yes |
| Riverstone (Lucent Ethernet Router) | For 15100, 200 series: R1.5.1.2-N For 15800 series: R1.5.0.8-SA01 For 3100 series: v9.4.0.6 (for support of trials only) | For 15100, 200 series: R1.5.1.2-N For 15800 series: R1.5.0.8-SA01 For 3100 series: v9.4.0.6 (for support of trials only) | No |
| SS8 WDDF (Lawful Intercept Gateway) | LIG-WDDF-R3.7.1.SU1 | LIG-WDDF-R3.7.1.SU2 | Yes |
| Surepay CCF | CCF-R26SU4-hotslide0102 MAS-R26SU5-p0507 | CCF-R26SU5-hotslide0103 CCF R26SU4 to R26SU5 upgrade script MAS-R26SU7 MAS-R26SU7-p0701 ⁷ | Yes |
| USDS (includes | USDS-04.03.71.13 | USDS-04.03.71.13 | No |

⁵ OMC-H base release 07.05.01 must be installed before applying patch 12.

⁶ Trial only

⁷ MAS platform upgrade to R26SU7 is required before applying MAS R26SU7-p0701 patch.

| | | | |
|--|--|---|-----|
| MAS/AHE) | MAS R26SU6 p0611 MAS-R26SU6 | MAS R26SU6 p0611 MAS-R26SU6 | |
| VCC Light CAMEL Gateway (LCGW) | OSP Platform:R2.4.2 + LCGW 1.0 | OSP Platform:R2.4.2 + LCGW 1.0 | No |
| VitalQIP | VitalQIP 7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.70.06 (only VQIP200 file) | VitalQIP 7.1 DNS R4.0 Build 23 ENUM R1.2 VQIP eSM ISR: USDS-04.01.71.14 (only VQIP300 file) | Yes |
| VitalSuite® AAA | VitalAAA-5.2.2 | VitalAAA-5.2.2 | No |
| VitalSuite® Services Activation Manager (SAM) | R15.0 | R15.0 | No |
| Westell TriLink™ Gateway Model 427VA99427V30a-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 R4.1 | 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 MAX200_360AKA0b12, RUNCOM 206.70.23.49 for 2.5ghz or RUNCOM 206.70.23.72 for 3.5ghz | ZyXEL CPE Rev2 Mother Board MAX200M1_360AKG0b16_20080417 RUNCOM 206.70.24.26 for 2.5ghz or ZyXEL CPE Rev2 Mother Board MAX210M1_360AKG0b16_20080417 RUNCOM 206.24.26 for 3.5ghz | Yes |
| Zyxel PCMCIA card (used in PC client) | ZyXEL PCMCIA AX100_1.0.4.4 | ZyXEL PCMCIA AX100_1.0.4.4 | No |

How to obtain software

Please contact your Alcatel-Lucent representative to obtain software.

NE to Solution Mapping

Not applicable for this release.

Document deliverables

Solution documentation available for this release

For Release 06.01.11, the following solution document has been updated:

- IMS Technical Description, 275-100-000R06.01.11

For all other solution documents, please use the latest version (Release 06.01.09).

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 06.01.11.

New features

The following features are included in this release:

Table 2-1 New features

| Feature ID Number | Feature Name | Description |
|-------------------|---|---|
| 10928.219 | 1300 XMC portal (web GUI) to OMC-P GUI | OMC-P will support and assist 1300 XMC's ability to launch the OMC-P client from its web GUI. |
| 10928.220 | OMC-P FM integration with 1300 XMC via SNMP | OMC-P team will assist the 1300 XMC team in testing SNMP straps from the OMC-P. |
| 10928.221 | OMC-P FM integration with 1300 XMC | 1300 XMC will collect 3GPP performance monitoring data files from OMC-P. |

| Feature ID Number | Feature Name | Description |
|-------------------|--|---|
| 12515.54 | Testing with SS8 WDDF 3.7.1 SU for AT&T multi-port support | <p>Test the expected AT&T configuration: LSM 6.1.x, WDDF with 3.7.1 SU, and eMRS. Normal regression testing is required, along with testing of the following new features in the WDDF:</p> <ul style="list-style-type: none"> • Support for putting the administrative and call data interfaces with LSM on interfaces other than bge0. • Support for putting T1.678 IRI/CC delivery interfaces to LEA on interfaces other than bge0. • T1.678 mapped method enhancements. |
| 12792.30 | Acme 9200 testing | <p>This feature covers:</p> <ul style="list-style-type: none"> • 9200 regression testing using D5.1 (including geo-red fixes delivered in SD4.0.1/4.1) • Acme EMS 5.1 testing • New features documented in the AT&T IR1 V0.6 Document • Security scans on the SD and EMS • NLT to verify this is an AT&T-specific configuration |

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

The following table shows the status of the 06.01.11 features.

Table 3-1 IMS 06.01.11 Tested Features

| Feature | Description | Status |
|-----------|--|--------------|
| 10928.219 | 1300 XMC portal (web GUI) to OMC-P GUI | NLT Complete |
| 10928.220 | OMC-P FM integration with 1300 XMC via SNMP | NLT Complete |
| 10928.221 | OMC-P PM integration with 1300 XMC | NLT Complete |
| 12515.54 | Testing with SS8 WDDF 3.7.1 SU for AT&T Multi-port Support | NLT Complete |
| 12792.30 | Acme 9200 | NLT Complete |

Exit criteria

The following table shows the results of the IMS 06.01.11 test program.

Table 3-2 IMS 06.01.11 NLT Test Results

| Test Plan | Tests | Exec | Pct Exec | Pass | Pct Pass |
|--------------------|------------|------------|---------------|------------|--------------|
| Acme 9200 | 99 | 99 | 100.0% | 94 | 94.9% |
| XMC | 191 | 191 | 100.0% | 176 | 92.1% |
| WDDF SU2 | 21 | 21 | 100.0% | 21 | 100.0% |
| Upgrade | 132 | 132 | 100.0% | 126 | 95.5% |
| Post Upgrade Repr. | 91 | 91 | 100.0% | 90 | 98.9% |
| Release Repr. | 138 | 138 | 100.0% | 133 | 96.4% |
| ARs | 25 | 25 | 100.0% | 24 | 96.0% |
| Total | 697 | 697 | 100.0% | 664 | 95.3% |

See Table 6-2 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 11.1 includes changes to its Northbound Interface from OMC-P Release 11.0. See *OMC-P Software Release Notes*, 25-400402R11.1.0.2 for more details.

The 1300 XMC can now be used to support Northbound Interfaces for fault management and performance measurements data for the LGP- and LCP-based NEs via the OMC-P. Please see *Alcatel-Lucent 1300 XMC SNMP Alarm Forwarding*, 3BL59971GAAAPCZZA, and *Alcatel-Lucent 1300 XMC Performance Management* 3BL65019GBAAAPCZZA for more details.

Changes to Southbound Interfaces

There are no Southbound Interface changes in this release.

Alarm changes

There are no alarm changes in this release.

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 shows the customer-reported ARs and NLT-reported problems resolved in 06.01.11 and verified by the NEs or NLT.

Table 5-1 Customer-Reported ARs Resolved in Release 06.01.11

| AR | Sev | NE | Short Description |
|-----------|-----|--------------|--|
| 1-1675277 | 2 | LGP | SCL_412MR1 - Need clarification for CICs spanning 2 MGWs notes in LGP 6.2.0.3.SP9 Release Notes, Issue 2 |
| 1-1684749 | 2 | WDDF | LSM provisioning connection with WDDF is bouncing |
| 1-1695229 | 3 | WDDF | SIL -IR0412- Tracking AR for Field AR 1684749- TCP keepalive needed for LIG-LSM connection |
| 1-1699505 | 2 | WDDF | Random ports on WDDF GUI make firewall rules impossible to define securely |
| 1-1718230 | 2 | LGP | Ph3pa01lnc IOM14 stuck in STBYC condition |
| 1-1739234 | 2 | LGP | Both SP's crashed after switching from SP-B to SP-A |
| 1-1747679 | 2 | LCM | I/O error while communicating with HTTP server: ph3pa051ca0.els-an.att.net |
| 1-1752467 | 3 | FS5K | AT&T SCL- Click to Dial calls should not contain a Diversion Header if call is not forwarded |
| 1-1752525 | 2 | LCM | OMC-P Delay causing SDP timeout and failure |
| 1-1752578 | 3 | VitalQIP DNS | IR1 SCL: Clarification on MOP command |
| 1-1756078 | 3 | WDDF | RD WDDF: Firewall silently knocks down the connection and the WDDF/JSI do not realize the connection is down |
| 1-1757066 | 2 | WDDF | LSM <-> WDDF |
| 1-1757732 | 3 | FS5K | FS5K must offer RFC2833 in all SDP offers that it initiates |
| 1-1761637 | 2 | Acme | Calls *TO* Philly numbers are failing with fast busy or reorder. got response code #480. |
| 1-1762165 | 2 | BTS | Problem with billing records from Plexus. |
| 1-1762550 | 2 | LCM | Click to dial feature not working from call history on the portal |
| 1-1764509 | 2 | FS2500 | Alltel wants 3GPP ANSI references describing WINTrigger IMRN format |

| | | | |
|-----------|---|----------|--|
| 1-1764870 | 3 | FS5K | Inbound 8002882020 number (that go to however many rings to voicemail) are not showing up in the portal call history log |
| 1-1765117 | 3 | LGP | NLT PASS2 - 6.1.9 LGP Plexus sw 6.3.0.2.SP4 not supporting rsh cmd used during Geo-redundancy Failovers |
| 1-1767169 | 2 | LCM | PH LCM: UVP notes LCM limit Concern. When 500 message limit is reached, the old messages are not deleting/archiving Properly per UVP |
| 1-1771570 | 2 | BTS | BTS Loss of heartbeat fault on OMC-P. |
| 1-1779018 | 2 | FS2500 | Caller ID Restriction failure for calls to IMS-anchored CDMA subscribers |
| 1-1781244 | 2 | FS5K | Call Forwarding Busy failures for calls to IMS Anchored CDMA Subscribers |
| 1-1781269 | 2 | FS5K | Cannot Deactivate Call Waiting from OMC-P for IMS Anchored CDMA Subscribers |
| 1-1782804 | 2 | FS5K | FS5K can use wrong S-CSCF for MWI NOTIFY and Extension INVITES when Unregistered |
| 1-1782823 | 2 | LCP | Can't power off an LSS card on LSM or FS5k from MI-GUI |
| 1-1786218 | 3 | LCM | LCM client is unable to delete mailbox from AnyPath |
| 1-1788296 | 2 | FS5K | FS5K uses wrong S-CSCF for device extensions when primary is a IMS anchored CDMA subscriber |
| 1-1789017 | 2 | OMC-P | Cannot initialize SIPMSG Performance Counters from OMC-P |
| 1-1790603 | 2 | LCM | LCM failover of load balancer not working |
| 1-1792315 | 2 | LSMS | SCL - DB sync problem in multi-site LSMS environment |
| 1-1795583 | 2 | FS5K | SCL lab- SIP three way conference call involving emergency 911 |
| 1-1797224 | 3 | LGP | MGC should not drop a call on receving an Re-Invite while waiting for a response to an Update request that it sent for the same dialog |
| 1-1798306 | 2 | FS5K | Lost DR static routes when eth interface swtiched from eth0->eth1 |
| 1-1799771 | 2 | LGP | SCL Lab - on IMS 6.1.9 LGP sw 6.3.0.2.SP.4 successful 911 calls are generating 1704 alarms on MGC |
| 1-1799903 | 2 | LCP | Making calls between two Polycom V700 video phones results in NGSS ASSERTS Assert: BAD_DATA from SIPLog_print_monoblock |
| 1-1800110 | 3 | LCP | SCL LMRS Alarms - no clear |
| 1-1801920 | 3 | LGP | 6.1.9 SCL Lab - LGP Security Hardening MOP needs corrections and updates |
| 1-1801961 | 3 | Acme EMS | SCL - Net EMS: reboot active causes stad by to reboot from net GUI |

| | | | |
|-----------|---|------|---|
| 1-1802180 | 2 | BTS | Exatel FOA: LGP configuration for consistent BTS records |
| 1-1805747 | 3 | LCM | SCL LCMs not hardened for inactivity timeout |
| 1-1805759 | 2 | LCM | SCL LCM is non-compliant with sendmail daemon requirement BR 204 |
| 1-1805760 | 2 | EMRS | SCL eMRS kills all sshd processes when any session times out |
| 1-1807292 | 2 | LCM | SCL LCM not compliant with Freezing of User Accounts requirement BR 128 |
| 1-1807324 | 2 | LGP | SCL Lab - Riverstone reboots (reloads) causing 1495 and 1491 alarms on SCLAUSLNG related to ICMP |
| 1-1807626 | 3 | EMS | CR25C - eSM IRS for VQIP enhancement |
| 1-1808270 | 2 | BTS | Exatel FOA: LCP - incorrect CDRs for Long Duration Calls |
| 1-1809516 | 2 | LCP | LSS_cpiSCSCFCompSessInvite alarm on SCL LSM |
| 1-1812859 | 1 | BTS | Exatel FOA: No billing records for SIP-SIP connections. Long Duration Calls |
| 1-1813149 | 2 | LCP | SCL - HSS 5012 reply after bogus reg with incorrect password |
| 1-1813223 | 2 | LCP | SCL- FSK1 LSS_SoftwareComponentDown Alm |
| 1-1814290 | 2 | LGP | SCL Lab - IMS 6.1.9. SIP to PSTN call REL CC 65 issue where MGC sends SIP EC 488 but does not get ACK |
| 1-1814846 | 2 | WDDF | SCL LIG Fails Security Requirement BR 120 |
| 1-1816659 | 2 | LGP | SCL Lab - IMS 6.1.9 Failure of SCL2 MGW to load annn caused SP A to coredump |
| 1-1824810 | 2 | BTS | SCL OMC-P BTS Status did not come BTS_UP after 6.3.1.0.7 Upgrade |

Table 5-2 NLT-Reported Problems Resolved in Release 06.01.11

| NE | Abstract | Resolution |
|----------|--|---|
| XMC 5350 | Wrong 5350 MIB: presence-relates gauges indicated as counters to the XMC. As a result, XMC wrongly interprets these gauges. Gauges are correctly seen on the 5350 GUI, but not at XMC level. | Patch delivered April 8. Resource constraints with PS/XDMS on ATCA testing (which is the priority). |
| LSM | AGCF and LSM switchover issue. | Validated by NE. |
| OMC-P | OMC-P synch of a fully-loaded CPR lab | Validated by NE. |

| | | |
|-------|--|------------------------------|
| | fails; string too short for card status. | |
| eCCF | R26SU4 to R26SU5 eCCF upgrade tool | Validated by NE. |
| Zyxel | CLIR CF does not work with Zyxel. | Resolved with official load. |

6 Known issues



Overview

Purpose

This chapter describes customer-reported ARs that remain open in Release 06.01.11.

Known issues and workarounds

Table 6-1 Customer-Reported ARs Remaining Open in 06.01.11

| AR | Sev | NE | Short Description | Notes |
|-----------|-----|------|---|---|
| 1-1491833 | 3 | LGP | IR0C2 SCL - MG RTCP errors | Fix available in NE load LGP 6.3.0.4.sp5.1 Fix available in 06.01.13. |
| 1-1661908 | 3 | LGP | SIL LGP: Echo in SIL | Fix available in NE load LGP 6.3.0.4.sp5.1 Fix available in 06.01.13. |
| 1-1677659 | 3 | LGP | Echo -- Extending scope of AR 1-1661908 to SCL lab | Fix available in NE load LGP 6.3.0.4.sp5.1 Fix available in 06.01.13. |
| 1-1682111 | 3 | LGP | Pro-MR1 testing - The MG setup failed to support the RFC2833 capability. | Fix available in NE load LGP 6.3.0.4.sp5.1 Fix available in 06.01.13. |
| 1-1689274 | 3 | LGP | Gateway delay too long | Fix available in NE load LGP 6.3.0.4.sp5.1 Fix available in 06.01.13. |
| 1-1769698 | 2 | LCM | AT&T SCL - 6.1.9 SCL LCM CPU utilization too high after 6.1.9 upgrade | Fix available in NE load LCM 6.3.4_118 Fix available in 06.01.13. |
| 1-1784505 | 2 | RS | AT&T SCL - SNMP-E-SENDTO_Failed: to Dorado IP. Alarms not seen on EMS during Riverstone Sec Hardening | Fix scheduled for NE load Riverstone 1.5.0.11. Fix available in 06.01.13. |
| 1-1797405 | 2 | LCM | Can't fail back to primary LCM after network outage | Fix available in NE load LCM 6.3.4_117 Fix available in 06.01.13. |
| 1-1801568 | 3 | LSM | SCL Feat Act - Internal error received during Billing Enhancement feature activation | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1803738 | 3 | LGP | SCALLS Performance Counter in SIPMSG is not updated properly | Fix available in NE load LGP 6.3.0.4.sp5 Fix available in 06.01.13. |
| 1-1805755 | 2 | EMRS | SCL eMRS non-compliant with password construction requirement BR 143 | Fix available in NE load EMRS R25SU9-b0913 Fix available in 06.01.13. |
| 1-1805756 | 2 | LCM | SCL LCM non-compliant with password construction requirement BR 143 | Fix available in NE load LCM 6.3.4_118 Fix available in 06.01.13. |
| 1-1806303 | 2 | LCM | Lcm1022 Exatel FOA: LCM issue, Errors when creating partition name which starts with capital letter | Fix available in NE load LCM 6.3.4_117 Fix available in 06.01.13. |

| | | | | |
|-----------|---|------|---|---|
| 1-1807213 | 3 | EMRS | SCL eMRS not compliant with Freezing of User Accounts requirement BR 128 | Fix available in NE load EMRS R25SU9-b0913 Fix available in 06.01.13. |
| 1-1809426 | 3 | LGP | SCL - only for CALEA calls SCL: one way talk path between two tdm lines when sit drops off | Fix available in NE load LGP 6.3.0.4.sp5 Fix available in 06.01.13. |
| 1-1810461 | 3 | LGP | SCL; call hold feature not working b/w SIP-TDM-TDM | Fix available in NE load LGP 6.3.0.4.sp5 Fix available in 06.01.13. |
| 1-1810463 | 3 | LGP | SCL; randomly missing recording after flash for CALEA calls; b/w SIP-SIP-SIP | Fix available in NE load LGP 6.3.0.4.sp5 Fix available in 06.01.13. |
| 1-1812859 | 1 | LCP | Exatel FOA: No billing records for SIP-SIP connections. Long Duration Calls | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1818624 | 3 | LCP | SCL: Sip to PSTN fax call getting 481 from the SD 4250 due to reinvoke from LSM | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1816662 | 3 | LCP | SCL Lab - IMS 6.1.9 LSM not sending 503 back thru Acme S/BC after sending 180 Ringing | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1822371 | 2 | ISG | SIL ISG Corba Interface Not properly setup post upgrade to 6.1.9 | Fix available in NE load ISG 8.00.00.04 Fix available in 06.01.13. |
| 1-1822513 | 2 | LGP | SCL Lab - IMS 6.1.9 Security Scans - SCLAUSLNG had TL1 Agent Core Dump on SP-A | Fix scheduled for NE load LGP 6.3.0.4.sp7 Fix available in 06.01.13. |
| 1-1828192 | 2 | FS5K | SCL CCF - Missing serviceRequestTimeStamp, serviceDeliveryStartTimeStamp from FS5k1 | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1829576 | 3 | FS5K | Nuisance Call Trace: linct files on FS5K MI does not provide calling party number field when calling party number is "unavailable". | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1837526 | 1 | LGP | RD/PH LGP: Richardson and Philly, certain wireless calls did not get picked up with CdPN=No | Fix available in NE load LGP 6.3.0.4.sp5 Fix available in 06.01.13. |
| 1-1840431 | 3 | LSM | SCL R6.1.9: Vulnerabilities affecting multiple implementations of Java SE with a threat level of critical | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1842599 | 2 | WDDF | The content messages CC Delivery Headers contains a Correlation Identity however it should contain a Call Identity. | Fix available in NE load WDDF 3.7.1 SU3 Fix available in 06.01.13. |
| 1-1842605 | 2 | WDDF | SCL - WDDF: There are some Direct Signal Reporting (DSR) messages that should not be there. | Fix scheduled for NE load WDDF 3.7.1 SU4 Fix available in 06.01.13. |

| | | | | |
|-----------|---|---------|--|---|
| 1-1848398 | 2 | LGP | IMS Calls IMS CallFwd to International TN. Fails in SCL. Gating for IR1. | Fix available in NE load LGP 6.3.0.4.sp6 Fix available in 06.01.13. |
| 1-1843907 | 1 | FS5K | Unable to make outgoing calls; unable to receive incoming calls | Fix scheduled for NE load LCP 14.28.00.00 Fix available in 06.01.13. |
| 1-1849486 | 2 | HSS | HSS HDF SPA Init. | Fix available in NE load USDS hlr7.1.p04 Fix available in 06.01.13. |
| 1-1857045 | 3 | MAS-HSS | Retrieve response error for HSS via eSM SOAP API | Fix available in NE load MAS R26SU6-p0617 Fix available in 06.01.13. |

Table 6-2 NLT-Reported Severity 1 and 2 Open Issues

| NE | abstract | status | workaround |
|-----------|--|---|---|
| ACME 9200 | IMS_NLT: Session Agents goes OOS during performance testing | Acme ticket 13194. Acme capacity and performance exceeds 4250 equivalency, but does not meet targets of 2.7X 4250. Acme recommendations needed for DDOS, trusted/untrusted queues and other performance configuration settings. | Use lower engineering values for Acme 9200 capacity and performance. Specific value should be determined with Acme engineering teams based on customer network. |
| ACME 9200 | IMS_NLT_MH ACME 9200 send every 60s Session Agent out of services and in-service | Acme ticket 13063 - Acme development work space patch tested successfully. Official Acme patch available TBD. | Workaround: Define IP address for each Session Agent. |
| MAS-USDS | IMS_NLT_6.1.11: SAA from USDS does not contain ASSRVNAME from COMMONPUID | work-around avail for HSS upgrades. long term fix sched for USDS 7.1 patch5 | after upgrade, UpgSoakFlg RTU needs to be turned off. Additional step: "restart CF spa" needed to transmit "ASSVNAMEID" and "ASSVNAMECONCATENATEDID" correctly. |
| OMC-P-LCP | IMS_NLT: Static Sync failed during IMS GR Site Failover testing | OMCP & FSDB data corruption during FS5K quarantine and EM sync from OMCP. OMCP fix targeted for 11.0.1.2 (6/20/08). | Customer Impact: protection FSDB is being corrupted as a result of making FS5K provisioning during quarantine state will cause FSDB to be corrupted. SW fix scheduled for OMC-P 11.0.1.2. NEED FIX IN 11.1.0.x for TNZ and 12.0.x.x |
| OMC-P-LGP | IMS_NLT_6.1.11: OMC-P sluggish after eCCF connected | bugzilla 62983. OMCP becomes unresponsive. Fix avail in IMS 7.0 | Workaround: Stop and restart OMCP application. |



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_09 |
| OMC-CN client | Java 1.4.2_11, Java Web Start 1.4.2_11 |
| LCM Admin and GUI | Java 1.5.0_11 |
| LCP MI GUI | Java 1.5.0_08 |

Table 7-2 shows the 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 used by Internet Explorer (Java 1.4.1_05 and |

| | |
|----------|--|
| | 1.5.0_02) |
| 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 122300-21 patch cluster Feb-08 |
| Dorado | Solaris 9 kernel 122300-21 patch cluster Feb-08 |
| Acme EMS | Solaris 9 kernel 122300-21 patch cluster Feb-08 |
| VitalQIP Enterprise | Solaris 9 kernel 122300-21 patch cluster Feb-08 |
| VitalQIP DNS | Solaris 9 kernel 122300-21 patch cluster Feb-08 |
| OMC-P | Solaris 9 kernel 122300-21 patch cluster Feb-08 |
| BTS | Solaris 9 kernel 122300-21 patch cluster Feb-08 |

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 06.01.10 to 06.01.11. See the IMS Solution Release 06.01 Solution Software Upgrade document, 275-100-035R6.1, and specific NE documentation for more information.



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 Release 06.01 Solution Software Upgrade 275-100-035R6.1

Upgrade 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 275-100-035R6.1

Security hardening

There is no specific information for this release.

Acronym List



A

AHE
Application Hosting Environment

AR
Action Register

B

BTS
Billing and Traffic System

C

CCF
Charging Collection Function

E

eMRS
Enhanced Media Resource Server

EMS
Element Management System

eSM
Enhanced Services Manager

F

FS5000
Feature Server 5000 (FS5K)

G

GUI
Graphical User Interface

I

IMS
IP Multimedia System

ISG
Intelligent Services Gateway

L

LCM
Lucent Communication Manager

LCP
Lucent Control Platform

LIG
Lawful Intercept Gateway

M

MAS
MiLife Application Server

MGC
Media Gateway Controller

MGCF
Media Gateway Control Function

MGW
Media Gateway

N

NE
Network Element

O

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

S

SMS
Security Management Server

U

USDS
Unified Subscriber Data System

V

VPN
Virtual Private Network

W

WDDF
Wireless Data Delivery Function

X

XMC
Cross-domain Management Center
