

# Library Changes

## CUDB 1 (R1E)

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### LIBRARY REVISION INFORMATION

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# 1 Introduction

This document shows the changes in the <product name> library between the following releases:

**From** Ericsson Centralized User Database (CUDB) 16A FD1 (R2E)  
**To** Ericsson Centralized User Database (CUDB) 1 (R1D)

The following changes are shown:

- Documents added
- Documents changed
- Documents removed

The reason for a change is described, for example, new, updated, or removed features, as well as corrected faults and responses to change requests.

Minor changes, however, such as language corrections, link errors, and editorial improvements are not shown in the tables below unless these are the only corrections in the update.

# 2 Description of Changes

The structure in this section reflects the structure of the current library.



## 2.1 New and Changed Documents

### 2.1.1 Library Overview

Table 1 Library Overview

Title	Identity	Change
CUDB Glossary of Terms and Acronyms	0033-HDA 104 03/10 Uen A	This document is based on 0033-HDA 104 03/9 with the following changes: <ul style="list-style-type: none"><li>• Terminology updates throughout the document because of virtualized deployment support.</li><li>• Added BFD, CEE, CMX, DHCP, DNS, ECIM, ECMP, HOT, LM, LM-SA, OSPF, PNF, UUID, VM, VNF, and VRRP to the list of acronyms.</li><li>• Updated Payload term.</li><li>• Removed obsolete information.</li></ul>
CUDB Library Overview	1551-EN/LZN 702 0449 Uen A	

Table 2 Library Overview/Active Library Explorer

Title	Identity	Change
How to Get Started with Active Library Explorer	1/1553-CRAH 301 1061 Uen G	Migrated to DITA CMS.

### 2.1.2 Product Overview

Table 3 Product Overview

Title	Identity	Change
CUDB Technical Product Description	221 02-FGC 101 3147 Uen B	
CUDB Third Party License Agreement	0962-HDA 104 03/10 Uen A	This document is based on 0962-HDA 104 03/9 with the following changes: <ul style="list-style-type: none"><li>• Section 3 Apache License Version 1.1, Section 16 CDDL License, Section 17 JQuery (MIT License), and Section 18 Python: Added new sections regarding Apache License Version 1.1, CDDL, JQuery (MIT), and Python, respectively.</li><li>• Section 4 Apache License Version 2.0 BSD License, Section 8, and Section 15 GPL v2 License: Updated titles and Third-party product lists.</li><li>• Section 13 SLF4J: Updated Third-party product list.</li></ul>

Table 4 Product Overview/Facility Descriptions

Title	Identity	Change
CUDB Application Counters	10/155 34-HDA 104 03/10-V1 Uen A	This document is based on 10/155 34-HDA 104 03/9 with revised content and structure.
CUDB Binary Large Object Attributes Management	2/155 34-CRH 109 0494/10 Uen A	This document is based on 2/155 34-CRH 109 0494/6 and contains editorial changes only.



**Table 4** *Product Overview/Facility Descriptions*

Title	Identity	Change
CUDB Data Distribution	6/155 34-HDA 104 03/10-V1 Uen A	
CUDB Data Storage Handling	8/155 34-HDA 104 03/10-V1 Uen A	<p>This document is based on 8/155 34-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Updates throughout the document on configurations containing nodes without a local Processing Layer Database.</li> <li>• Updated terminology throughout the document, including figures.</li> </ul>
CUDB Dynamic Library for Distribution	4/198 17-HDA 104 03/10 Uen A	This document is based on 4/19817-HDA 104 03/9, and contains editorial changes only.
CUDB Subscription Reallocation	12/155 34-HDA 104 03/10 Uen A	<p>This document is based on 12/155 34-HDA 104 03/9 with the following change:</p> <ul style="list-style-type: none"> <li>• Section 2.3.1 Purpose of Reallocation: Updated with virtualization information.</li> </ul>
CUDB High Availability	7/155 34-HDA 104 03/10-V1 Uen A	
CUDB LDAP Data Access	5/155 34-HDA 104 03/10-V1 Uen A	<p>This document is based on 5/155 34-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support, including figure updates.</li> <li>• Updates throughout the document on configurations containing nodes without local Processing Layer Database.</li> <li>• Section 2 Overview, Section 2.4 Dependencies and Interactions, and Section 4.1.3 LDAP Data Access Parameters: Updated information on function availability.</li> <li>• Section 2.3.2.5 DEs: Updated with information on locking and deleting parent entries.</li> </ul>
CUDB LDAP Data Views	15/155 34-HDA 104 03/10 Uen A	
CUDB LDAP Schema Management	11/155 34-HDA 104 03/10-V1 Uen A	
CUDB Multiple Geographical Areas	13/155 34-HDA 104 03/10 Uen A	<p>This document is based on 13/155 34-HDA 104 03/6 with the following changes:</p> <ul style="list-style-type: none"> <li>• Section 1.4 Prerequisites and Section 3.1 Configuration: Added new requirements.</li> </ul>
CUDB Notifications	9/155 34-HDA 104 03/10-V1 Uen A	

## 2.1.3 Site Engineering

**Table 5** *Site Engineering*

Title	Identity	Change
CUDB Deployment Guide	2/1553-HDA 104 03/10 Uen A	
CUDB Virtual Infrastructure Requirements	15/1553-HDA 104 03/10 Uen A	<p><i>New document</i></p> <p>Initial release.</p>



## 2.1.4 Planning

Table 6 Planning

Title	Identity	Change
CUDB Network Impact Report, Upgrade from CUDB 16A FD1 to CUDB 1	1/109 48-FGC 101 3147 Uen C	New document
CUDB Network Impact Report, Upgrade from CUDB 15A CP1 to CUDB 1	2/109 48-FGC 101 3147 Uen C	New document

## 2.1.5 Integration

Table 7 Integration

Title	Identity	Change
CUDB Application Integration Guide	7/1553-HDA 104 03/10-V1 Uen A	

## 2.1.6 Operation and Maintenance

Table 8 Operation and Maintenance



Table 8 Operation and Maintenance

Title	Identity	Change
CUDB Node Commands and Parameters	1/1553-CSH 109 067/10-V1 Uen A	<p>This document is based on 1/1553-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Structural and content rearrangement throughout the document.</li> <li>• Virtualization terminology updates throughout the document.</li> <li>• Removed obsolete information.</li> <li>• Section 2 CUDB Commands: Updated the general description of commands and the available user groups.</li> <li>• Section 2.2.1 cudbAnalyser: Updated syntax and examples of use.</li> <li>• Section 2.2.2 cudbApplicationCounters: Updated syntax and examples of use.</li> <li>• Section 2.2.3 cudbApplyConfig and Section 2.2.3.3 Command Options: Updated sections with information on command deprecation. Updated output in examples of use.</li> <li>• Section 2.2.4 cudbCheckConsistency: Updated syntax, list of commands option, and examples of use.</li> <li>• Section 2.2.5.6 cudbCheckReplication Configuration File: Updated syntax of --behind-limit option in section.</li> <li>• Section 2.2.7 cudbConsistencyMgr: Updated syntax and command option descriptions of the cudbConsistencyMgr command.</li> <li>• Section 2.2.8 cudbDataBackup: Updated syntax and command option descriptions of the cudbDataBackup command.</li> <li>• Section 2.2.9 cudbDbDiskManage: Updated syntax and command option descriptions of the cudbDbDiskManage command.</li> <li>• Section 2.2.10 cudbDsgMastershipChange: Updated the command description, syntax, --force option description, and output examples of the command.</li> <li>• Section 2.2.11.2 Syntax: Updated syntax of cudbDsgProvisioningManage command.</li> <li>• Section 2.2.14 cudbLdapFeRestart: Updated command syntax and output examples.</li> <li>• Section 2.2.15 cudbManageBCServer: Updated syntax. Removed -help command option.</li> <li>• Section 2.2.17.3 cudbManageStore Command Options: Updated description of kickstart action. Updated value of --ds command option.</li> <li>• Section 2.2.22.3 cudbReallocate Command Options: Updated information regarding the --nthreads command option.</li> <li>• Section 2.2.22.4 Output (cudbReallocate), Section 2.2.27.3 Command Options (cudbSwBackup), Section 2.2.27.5 Examples of Use (cudbSwBackup), Section 2.3.3 cudbEvipConfigExtension, and Section 2.3.19 cudbClusterConfConverter: Added information related to removed PLDB nodes.</li> <li>• Section 2.2.23 cudbRemoteTrust: Updated description, syntax, and command option list of the command.</li> <li>• Section 2.2.27 cudbSwBackup: Updated command syntax and the examples of use. Added new --no-prompt command option.</li> <li>• 2.2.28.3 Command Options (cudbSystemDataBackupAndRestore): Updated information regarding cudbDataRestore.</li> <li>• Section 2.2.29 cudbSystemDataBackupAndRestore: Updated information on command execution.</li> <li>• Section 2.2.29.4 Output: Updated example information.</li> <li>• Section 2.2.30.5 Examples of Use: Added OAM1 to LDAP counter in the example.</li> <li>• Section 2.2.32 cudbUnitDataBackupAndRestore: Updated command syntax and output example. Added description of new</li> </ul>



Table 8 Operation and Maintenance

Title	Identity	Change
CUDB System Administrator Guide	2/1543-HDA 104 03/10-V1 Uen A	<p>This document is based on 2/1543-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>Removed obsolete hardware information throughout the document.</li> <li>Virtualization terminology updates throughout the document.</li> <li>OAM Automation with NETCONF Support updates throughout the document.</li> <li>Section 3.2.2 CUDB Configuration CLI: Added command for cudbadm user.</li> <li>Section 16.2 Node Startup after Graceful Shutdown: Added information and references regarding the Atlas GUI and OpenStack command-line tools.</li> <li>Section 16.2.2 Node Startup after Graceful Shutdown in Case the CUDB System Is Deployed on a Cloud Infrastructure: New section on using the Atlas GUI and OpenStack command-line tools to perform node startup after a graceful shutdown in case of using CEE 16A.</li> <li>Section 16.2.2.1 Node Startup after Graceful Shutdown Using the Atlas GUI: New section on starting a node after graceful shutdown using the Atlas GUI.</li> <li>Section 16.2.2.2 Node Startup after Graceful Shutdown Using OpenStack Command-Line Tools: New section on starting a node after graceful shutdown using the OpenStack command-line tools.</li> <li>Section 16.3 Node Startup after a Non-Graceful Shutdown: Updated to add section reference.</li> <li>Section 16.3.1 Node Startup after a Non-Graceful Shutdown in Case the CUDB System Is Deployed on Native BSP 8100 Hardware and Section 16.3.2 Node Startup after a Non-Graceful Shutdown in Case the CUDB System Is Deployed on a Cloud Infrastructure: New sections on starting up a node after a non-graceful shutdown.</li> <li>Section 16.5 Node Graceful Shutdown: Added information and references regarding the Atlas GUI and OpenStack command-line tools.</li> <li>Section 16.5.2 Node Graceful Shutdown in Case the CUDB System Is Deployed on a Cloud Infrastructure: New section on using the Atlas GUI and OpenStack command-line tools to perform a graceful shutdown in case of using CEE 16A.</li> <li>Section 16.5.2.1 Node Graceful Shutdown Using the Atlas GUI: New section on gracefully shutting down a node using the Atlas GUI.</li> <li>Section 16.5.2.2 Node Graceful Shutdown Using OpenStack Command-Line Tools: New section on gracefully shutting down a node using the OpenStack command-line tools.</li> <li>Section 18.2 Configuring Network Routes Towards Notification Endpoints: Updated procedure of configuring eVIP routing.</li> <li>Section 18.3 Disabling a CUDB Node in a CUDB System: Updated Step 4.</li> <li>Section 18.4 Enabling a Previously Disabled CUDB Node in a CUDB System: Updated Step 3.</li> <li>Section 18.5 Creating a New DS: Added a note about the creation of new DSG(s).. Added note regarding LDAP FE node and server counters.</li> <li>Section 18.25 LDAP Data Views Management and Section 20.15 Setting the Default Geographical Zone: Added information on requirements.</li> <li>Section 19.5.2 Checking Installed Software on Each Blade or VM of a CUDB Node: Updated command with 'sudo'.</li> <li>Section 19.7 Subscribing a DSG Master Replica to Reconciliation Manually: Updated command with 'sudo'.</li> <li>Section 19.9 Storage Performance Monitoring F&lt;</li> </ul>



**Table 8**    *Operation and Maintenance*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
Virtualized CUDB Virtual Machine Recovery	30/1543-CSH 109 067/10 Uen A	<i>New document</i> Initial release.
COM Command-Line Interface	4/155 19-CAA 901 2587/6 Uen A1	
COM Management Guide	1/1553-CAA 901 2587/6 Uen A	<i>New document</i> Firm revision for release. Updated sections according to PRA Review comments: Updated section according to TR HT78879: 2.13.3 SNMP Notifications 6.3.1 Location of ROP Files 6.3.3 Job Reporting Period
COM NETCONF Interface Base	2/155 19-CAA 901 2587/6 Uen A1	<i>New document</i>
Core MW Management Guide	2/1553-APR 901 0444/4 Uen A1	<i>New document</i>
eVIP Management Guide	1/1553-APR 901 0467/3 Uen D	<i>New document</i>
LDE Management Guide	1/1553-CAA 901 2978/4 Uen A	<i>New document</i>

**Table 9** *Operation and Maintenance/Configuration Management*

Title	Identity	Change
CUDB Node Configuration Data Model Description	1/192 02-CSH 109 067/10 Uen A	<p>This document is based on 1/19202-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Replaced parent class information with full path of configuration objects throughout the document.</li> <li>• Section 2 CUDB Configuration Model Description: Updated description of Read only attributes in Table 1.</li> <li>• Section 2.1 Data Types: Updated Table 2 with information on EcimStruct, EcimAction, and EcimEnumeration data types.</li> <li>• Section 2.2 Class Hierarchy: Added new classes CudbTrafficControlManager and CudbTrafficBlockingRule in Figure 1.</li> <li>• Section 2.3.3 Class CudbAppService: Added a Warning.</li> <li>• Section 2.4.1 Class CudbLocalNode: Updated Table 14 with information on applyConfigStatus attribute.</li> <li>• Section 2.4.1 Class CudbLocalNode, Section 2.4.2 Class CudbLocalPI, Section 2.4.3 Class CudbLocalDs, Section 2.4.8 Class CudbRemoteNode, and Section 2.4.9 Class CudbRemotePI: Added new data type values to the corresponding attributes in tables.</li> <li>• Section 2.4.2 Class CudbLocalPI: Updated CudbLocalPI class description.</li> <li>• Section 2.4.3 Class CudbLocalDs: Updated CudbLocalDs class description and data type in Table 16.</li> <li>• Section 2.4.6 Class CudbLdapCertificates and Section 2.4.7 Class CudbSoapCertificates: Updated sections with reference to CUDB Security and Privacy Management.</li> <li>• Section 2.4.9 Class CudbRemotePI: Updated CudbRemotePI class description.</li> <li>• Section 2.4.10 Class CudbRemoteDs: Updated data type in Table 23.</li> <li>• Section 2.4.12 Class CudbTrafficControlManager: Added new section on the CudbTrafficControlManager class.</li> <li>• Section 2.4.13 Class CudbTrafficBlockingRule: Added section on the CudbTrafficBlockingRule class.</li> <li>• Section 2.5 Node Object Structures: Added section on Ericsson Common Information Model (ECIM) structures.</li> <li>• Section 2.6.1 Class CudbLdapAccess: Added a constraint for ldapRootPassword attribute in Table 28.</li> <li>• Section 2.6.1 Class CudbLdapAccess and Section 2.6.4 Class CudbLdapUser: Updated note with information on new applyConfig action.</li> <li>• Section 2.6.4 Class CudbLdapUser, Section 2.6.5 Class CudbLdapViewsMgmt, and Section 2.6.6 Class CudbLdapView: Updated information on function availability.</li> <li>• Section 2.9 Administrative Operations: Added section on administrative operations.</li> <li>• Section 4.2.1 Modification Procedure Using CUDB Configuration CLI and Section 4.2.2 Modification Procedure Using NETCONF: Added new subsections to Section 4.2 Object Model Modification Procedure.</li> </ul>



**Table 10**    *Operation and Maintenance/Data Management*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
CUDB Automatic Handling of Network Isolation Output Description	<i>1/155 19-CRH 109 0575/10-V1 Uen A</i>	
CUDB Backup and Restore Procedures	<i>1/1553-CNH 160 6130/10 Uen A</i>	<p>This document is based on 1/1553-CNH 160 6130/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Removed obsolete hardware information throughout the document.</li> <li>• Updated vCUDB terminology throughout the document.</li> <li>• Section 3.1.1.3 Store Backup in an External Storage: Updated section to cover virtualized deployments.</li> <li>• Section 3.2.1.1 Description: Updated description of unit data restore commands.</li> <li>• Section 3.2.1.3 Recreating Stored Procedures After Data Restore: Updated terminology.</li> <li>• Section 3.3.1.2 Performing Combined Unit Data Backup and Restore: Added new information on backup and restore command.</li> <li>• Section 4 Software and Configuration Backup and Restore: Updated scenarios where backup/restore operations cannot be performed. Updated the list of data included in the backup.</li> <li>• Section 4.1 Software and Configuration Backup: Updated the description of the SQL file.</li> <li>• Section 4.2.1 Prerequisites of Software and Configuration Restore: Updated the "Alive" mode description.</li> <li>• Section 4.2.2 Performing Software and Configuration Restore: Updated Step 2 and Step 6.</li> </ul>
CUDB Consistency Check	<i>17/1553-CSH 109 067/10-V1 Uen A</i>	<p>This document is based on 17/1553-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> <li>• Updated the default value of the maxReplicaLag parameter throughout the document.</li> <li>• Section 2.1: Updated the administrative command.</li> <li>• Section 3.1: Updated the list of optional arguments, added the --task-debug parameter.</li> </ul>
CUDB Import and Export Procedures	<i>6/1553-HDA 104 03/10 Uen A</i>	<p>This document is based on 6/1553-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of Virtualized Network Function (VNF) support.</li> </ul>
CUDB LDAP Data Views Management	<i>11/1553-HDA 104 03/10 Uen A</i>	<p>This document is based on 11/1553-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Section 1 Introduction and Section 3.2 Configuration: Updated with information on function availability, regarding the Application Facilitator Value Package.</li> <li>• Section 3.2.1 Creating LDAP Data View in the Data Model, 3.2.2 Assigning LDAP Data View to User, 3.2.3 Removing LDAP Data View from User, and 3.2.4 Deleting LDAP Data View: Updated procedure information.</li> </ul>

**Table 11** *Operation and Maintenance/Data Management/Schema Management*

Title	Identity	Change
CUDB Node Schema Update	2/1553-CSH 109 067/10-V1 Uen A	This document is based on 2/1553-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"><li>• Virtualization terminology updates throughout the document.</li><li>• Section 3 Limitations and Recommendations: Updated information on configuration application.</li></ul>

**Table 12** *Operation and Maintenance/Data Management/Schema Management/Schema Management Tools*

Title	Identity	Change
CUDB Customer Tools Installation Instruction	1531-CNH 160 6161/10 Uen A	This document is based on 1531-CNH 160 6161/9 with the following changes: <ul style="list-style-type: none"><li>• Section 2: Updated installation requirements.</li></ul>
CUDB LDAP Schema Management Graphical User Interface	1/1553-CNH 160 6161/10 Uen A	This document is based on 1/1553-CNH 160 6161/9 and contains editorial changes only.

**Table 13** *Operation and Maintenance/Fault Management*

Title	Identity	Change
CUDB Node Fault Management Configuration Guide	3/1553-CSH 109 067/10 Uen A	This document is based on 3/1553-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"><li>• Updated hardware information.</li><li>• Terminology updates throughout the document because of virtualized deployment support.</li><li>• Section 2.1.3.10 Licensing: Updated Figure 12 Alarm Model for Licensing Alarms with licensing information and Table 11 Alarms Raised by Licensing Problems with alarm raised by licensing problems.</li></ul>

**Table 14** *Operation and Maintenance/Fault Management/Alarms*

Title	Identity	Change
Control, Automatic Master Election Locked Down	6/1543-CNH 160 6135/10-V1 Uen A	This document is based on 6/1543-CNH 160 6135/9 and contains editorial changes only.
Control, Blackboard Coordination Cluster Down	4/1543-CNH 160 6135/10 Uen A	This document is based on 4/1543-CNH 160 6135/9 and contains the following changes: <ul style="list-style-type: none"><li>• Section 1.1 Alarm Description: Updated list of causes with new virtualized terminology.</li></ul>
Control, Blackboard Coordination Server Down	3/1543-CNH 160 6135/10 Uen A	This document is based on 3/1543-CNH 160 6135/9 with the following changes: <ul style="list-style-type: none"><li>• Section 1.1 Alarm Description: Updated Table 1 with information on virtual machines. Updated Alarm Active Description field in Table 2 with uuid attribute. Also added description of uuid attribute to list.</li><li>• Section 2 Procedure: Updated with information on virtual machines.</li></ul>



**Table 14**    *Operation and Maintenance/Fault Management/Alarms*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
Control, Remote Node Unreachable	1/1543-CNH 160 6135/10 Uen A	This document is based on 1/1543-CNH 160 6135/9 with the following changes: <ul style="list-style-type: none"> <li>Section 2 Procedure: Updated section with new virtualized terminology.</li> </ul>
Control, Remote Site Unreachable	5/1543-CNH 160 6135/10 Uen A	This document is based on 5/1543-CNH 160 6135/9 with the following changes: <ul style="list-style-type: none"> <li>Section 2 Procedure: Updated section with new virtualized terminology.</li> </ul>
LDAP Front End, Server Down	3/1543-CNH 160 6161/10 Uen A	This document is based on 3/1543-CNH 160 6161/9 with the following changes: <ul style="list-style-type: none"> <li>Section 1.1 Alarm Description: Added uuid to Alarm Active Description entry in Table 1. Added ND and uuid variable descriptions to list below Table 1.</li> </ul>
Licensing, Autonomous Mode Activated	6/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, Capacity Usage Threshold Reached, Major	4/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, Capacity Usage Threshold Reached, Warning	3/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, Emergency Unlock Reset Key Required	7/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, Key File Fault	8/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, License Key Not Available, Major	2/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, License Key Not Available, Minor	5/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Licensing, License Manager not Available	1/1543-CNH 160 8039/10 Uen A	<i>New document</i> Initial release.
Operating System, Disk Usage Too High	5/1543-CSH 109 067/10 Uen A	This document is based on 5/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Section 1.1 Alarm Description: Updated with information on Virtual Machines (VMs). Updated value of Resource ID and Alarm Active Description attributes. Added uuid to the list of attribute descriptions.</li> <li>Section 2 Procedure: Updated with information on VMs.</li> </ul>
Operating System, Server Configuration Backup Fault	1/1543-CNH 160 6537/10 Uen A	This document is based on 1/1543-CNH 160 6537/9 with the following changes: <ul style="list-style-type: none"> <li>Section 1.1 Alarm Description: Updated cause with terminology changes.</li> <li>Section 2 Procedure: Updated step 1 with terminology changes.</li> </ul>

**Table 14** *Operation and Maintenance/Fault Management/Alarms*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
Preventive Maintenance, Logchecker Found Error(s)	<i>1/1543-CNH 160 8579/10 Uen A</i>	This document is based on 1/1543-CNH 160 8579/9 with the following changes: <ul style="list-style-type: none"> <li>Section 1.1: Replaced "SW and HW" with "software".</li> <li>Section 2: Replaced "Controller Blade" with "System Controller (SC)".</li> </ul>
SAF, AMF Component Instantiation Failed	<i>9/1543-CSH 109 067/10 Uen A</i>	This document is based on 9/1543-CSH 109 067/9 and contains the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
SAF, AMF Component Cleanup Failed	<i>7/1543-CSH 109 067/10 Uen A</i>	This document is based on 7/1543-CSH 109 067/9 and contains the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
SAF, AMF SI Unassigned	<i>8/1543-CSH 109 067/10 Uen A</i>	This document is based on 8/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
SAF, CLM Cluster Node Unavailable	<i>26/1543-CSH 109 067/10 Uen A</i>	This document is based on 26/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> <li>Section 2 Procedure: Added separate procedures for native and virtualized deployments.</li> </ul>
SAF, LOTC Disk Replication Communication Failed	<i>12/1543-CSH 109 067/10 Uen A</i>	This document is based on 12/1543-CSH 109 067/9 with the following updates: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
SAF, LOTC Disk Replication Consistency Failed	<i>25/1543-CSH 109 067/10 Uen A</i>	This document is based on 25/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
SAF, LOTC Ethernet Bonding Failed	<i>11/1543-CSH 109 067/9 Uen D</i>	This revision contains the following changes: <ul style="list-style-type: none"> <li>Updated based on UDM template.</li> </ul>
SAF, LOTC Memory Usage Failed	<i>21/1543-CSH 109 067/10 Uen A</i>	This document is based on 21/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
SAF, LOTC Time Synchronization Failed	<i>10/1543-CSH 109 067/10 Uen A</i>	This document is based on 10/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates.</li> </ul>
Security, OAM User Exceeded Number Of Failed Logins	<i>13/1543-CSH 109 067/10 Uen A</i>	This document is based on 13/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"> <li>Section 2 Procedure: Updated user account unlock command and SC terminology.</li> </ul>



**Table 14**    *Operation and Maintenance/Fault Management/Alarms*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
Server Platform, Storage Performance Degradation Detected	<i>28/1543-CSH 109 067/10 Uen A</i>	<p>This document is based on 28/1543-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Virtualization terminology updates throughout the document.</li> <li>• Section 2.1 Procedure for CUDB System Deployed on Native BSP 8100 Hardware and Section 2.2 Procedure for CUDB System Deployed on Cloud Infrastructure: The contents of Section 2.1 have been moved from Section 2. Section 2.2 is a new section. The two sections differentiate between the two types of infrastructure.</li> </ul>
Storage Engine, Automatic Handling of Network Isolation not Completed for DS	<i>38/1543-CNH 160 6539/10 Uen A</i>	<p>This document is based on 38/1543-CNH 160 6539/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Section 1.1 Alarm Description: Added uuid to the Alarm Active Description attribute. Modified the definition of the blade parameter. Added new UUID attribute to the list of descriptions.</li> </ul>
Storage Engine, Automatic Handling of Network Isolation not Completed for PLDB	<i>37/1543-CNH 160 6539/10 Uen A</i>	<p>This document is based on 37/1543-CNH 160 6539/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Section 1.1 Alarm Description: Added uuid to the Alarm Active Description attribute. Modified the definition of the blade parameter. Added new UUID attribute to the list of descriptions.</li> </ul>
Storage Engine, Backup Fault In DS	<i>3/1543-CNH 160 6130/10 Uen A</i>	<p>This document is based on 3/1543-CNH 160 6130/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> <li>• Conversion to the new UDM template.</li> </ul>
Storage Engine, Backup Fault In PLDB	<i>2/1543-CNH 160 6130/10 Uen A</i>	<p>This document is based on 2/1543-CNH 160 6130/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> <li>• Conversion to the new UDM template.</li> </ul>
Storage Engine, Data Inconsistency Between Replicas Found in DS, Major	<i>32/1543-CNH 160 6539/10 Uen A</i>	<p>This document is based on 32/1543-CNH 160 6539/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> </ul>
Storage Engine, Data Inconsistency Between Replicas Found in DS, Minor	<i>30/1543-CNH 160 6539/10 Uen A</i>	<p>This document is based on 30/1543-CNH 160 6539/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> </ul>
Storage Engine, Data Inconsistency Between Replicas Found in PLDB, Major	<i>31/1543-CNH 160 6539/9 Uen D</i>	<p>This revision contains the following changes:</p> <ul style="list-style-type: none"> <li>• Section 2 Procedure: Updated notes regarding the PLDB restore procedure.</li> </ul>
Storage Engine, Data Inconsistency Between Replicas Found in PLDB, Minor	<i>29/1543-CNH 160 6539/9 Uen D</i>	<p>This revision contains the following changes:</p> <ul style="list-style-type: none"> <li>• Section 2 Procedure: Updated notes regarding the PLDB restore procedure.</li> </ul>
Storage Engine, Data Inconsistency Between Replicas Repaired, DS	<i>40/1543-CNH 160 6539/10 Uen A</i>	<p>This document is based on 40/1543-CNH 160 6539/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Virtualization terminology updates throughout the document.</li> </ul>

**Table 14** *Operation and Maintenance/Fault Management/Alarms*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
Storage Engine, Data Inconsistency Between Replicas Repaired, PLDB	<i>39/1543-CNH 160 6539/10 Uen A</i>	This document is based on 39/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, Deleted Data Due To Reconciliation	<i>24/1543-CNH 160 7063/10 Uen A</i>	This document is based on 24/1543-CNH 160 7063/9 with the following changes: <ul style="list-style-type: none"> <li>Terminology updates throughout the document because of virtualized deployment support.</li> </ul>
Storage Engine, DS Cluster Down	<i>12/1543-CNH 160 6539/10 Uen A</i>	This document is based on 12/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, DS Cluster In Maintenance Mode	<i>8/1543-CNH 160 6539/10 Uen A</i>	This document is based on 8/1543-CNH 160 6539/9 and contains editorial changes only.
Storage Engine, DS Cluster Node Down	<i>10/1543-CNH 160 6539/10 Uen A</i>	
Storage Engine, Execution of Selective Replica Check Failed, DS, Major	<i>34/1543-CNH 160 6539/10-V1 Uen A</i>	This document is based on 34/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Updated database terminology throughout the document.</li> </ul>
Storage Engine, Execution of Selective Replica Check Failed, PLDB, Major	<i>33/1543-CNH 160 6539/10-V1 Uen A</i>	This document is based on 33/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Database terminology updates throughout the document.</li> </ul>
Storage Engine, High Load In DS	<i>23/1543-CNH 160 6539/10 Uen A</i>	This document is based on 23/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, Memory Usage Too High In DS, Full Threshold Reached	<i>6/1543-CNH 160 6539/10 Uen A</i>	This document is based on 6/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, Memory Usage Too High In DS, Warning Threshold Reached	<i>4/1543-CNH 160 6539/10 Uen A</i>	This document is based on 3/1543-CNH 160 6130/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, Out Of Memory In DS	<i>2/1543-CNH 160 6539/10 Uen A</i>	This document is based on 2/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, PLDB Cluster Down	<i>11/1543-CNH 160 6539/10 Uen A</i>	This document is based on 11/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, PLDB Cluster In Maintenance Mode	<i>7/1543-CNH 160 6539/10 Uen A</i>	This document is based on 7/1543-CNH 160 6539/9 and contains editorial changes only.
Storage Engine, PLDB Cluster Node Down	<i>9/1543-CNH 160 6539/10 Uen A</i>	
Storage Engine, Potential Data Inconsistency Between Replicas Found in PLDB	<i>4/1543-CNH 160 8579/10 Uen A</i>	This document is based on 4/1543-CNH 160 8579/9 with the following changes: <ul style="list-style-type: none"> <li>Terminology updates throughout the document because of virtualized deployment support.</li> </ul>



**Table 14**    *Operation and Maintenance/Fault Management/Alarms*

Title	Identity	Change
Storage Engine, Provisioning Assurance Request Failed	41/1543-CNH 160 6539/10 <i>Uen A</i>	This document is based on 41/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Removed obsolete hardware information.</li> <li>Rearranged procedure.</li> <li>Section 2.2.2.2 Cloud Infrastructure: Added new section.</li> </ul>
Storage Engine, Unrepaired Data Inconsistency Between Replicas, DS, Major	46/1543-CNH 160 6539/10 <i>Uen A</i>	This document is based on 46/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>
Storage Engine, Unrepaired Data Inconsistency Between Replicas, PLDB, Major	45/1543-CNH 160 6539/10 <i>Uen A</i>	This document is based on 45/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> <li>Virtualization terminology updates throughout the document.</li> </ul>

**Table 15**    *Operation and Maintenance/Fault Management/Alarms/Core MW Alarms*

Title	Identity	Change
COM SA, AMF Component Cleanup Failed	7/1543-CAA 901 2624/4 <i>Uen A</i>	<i>New document</i> Firm revision for release. Changed sequence number. Document is based on 7/1543-CAA 901 2642/3 rev D. Editorial correction.
COM SA, AMF Component Instantiation Failed	2/1543-CAA 901 2624/4 <i>Uen A</i>	<i>New document</i> Firm revision for release. Changed sequence number. Document is based on 2/1543-CAA 901 2642/3 rev E. Editorial correction.
COM SA, AMF SI Unassigned	3/1543-CAA 901 2624/4 <i>Uen A</i>	<i>New document</i> Firm revision for release. Changed sequence number. Document based on 3/1543-CAA 901 2642/3 rev PG1. Editorial correction
COM SA, CLM Cluster Node Unavailable	5/1543-CAA 901 2624/4 <i>Uen A</i>	<i>New document</i> Firm revision for release. Changed sequence number. Document is based on 5/1543-CAA 901 2642/3 rev PE2. Editorial correction. Updated section according to PRA Review comment: 2 Compatibility Updated section according to Karin Holm comment: Changed title. 1.1 Alarm Description

**Table 16** *Operation and Maintenance/Fault Management/Alarms/LM Alarms*

Title	Identity	Change
License Management, Autonomous Mode Activated	1/1543-APR 901 0503/5 Uen A1	New document
License Management, Capacity Usage Threshold Reached	2/1543-APR 901 0503/5 Uen A	New document
License Management, Emergency Unlock Reset Key Required	3/1543-APR 901 0503/5 Uen A	New document
License Management, Key File Fault	4/1543-APR 901 0503/5 Uen A1	New document
License Management, License Key Not Available	5/1543-APR 901 0503/5 Uen A	New document

**Table 17** *Operation and Maintenance/Fault Management/Alarms/LOTC Alarms*

Title	Identity	Change
LOTC Time Synchronization	1/1543-ANA 901 39/3 Uen E	

**Table 18** *Operation and Maintenance/Fault Management/Troubleshooting*

Title	Identity	Change
CUDB Troubleshooting Guide	1/1553-HDA 104 03/10-V1 Uen A	This document is based on 1/1553-HDA 104 03/9 with the following changes: <ul style="list-style-type: none"><li>Removed obsolete information throughout the document.</li><li>Virtualization terminology updates throughout the document.</li><li>Section 2.1.6 BC Cluster Status: Expanded the masterlist description with information on split brain situations. Added information on replication command output. Updated output description.</li></ul>
Data Collection Guideline for CUDB	3/1543-HDA 104 03/10-V1 Uen A	This document is based on 3/1543-HDA 104 03/9 with the following changes: <ul style="list-style-type: none"><li>Terminology and hardware information updates throughout the document.</li><li>Section 3.1.4 Collecting Additional Core Dump Files: Updated command in Step 4.</li></ul>

**Table 19** *Operation and Maintenance/Fault Management/Preventive Maintenance*

Title	Identity	Change
CUDB Node Preventive Maintenance	1/1541-CSH 109 067/10 Uen A	This document is based on 1/1541-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"><li>Updated hardware information.</li><li>Section 1.3 Target Groups: Updated target groups and list of references.</li><li>Virtualization deployment terminology updates throughout the document.</li></ul>



**Table 20**    *Operation and Maintenance/Logging Management*

Title	Identity	Change
CUDB Logchecker	12/1553-CSH 109 067/10 Uen A	<p>This document is based on 12/1553-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Terminology updates throughout the document because of virtualized deployment support.</li> </ul>
CUDB Node Logging Events	4/1553-CSH 109 067/10 Uen A	<p>This document is based on 4/1553-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Updated hardware information.</li> <li>• Section 2.5.1 Log Files: Updated application logging event related RFC references.</li> <li>• Section 2.5.3 Log Format: Updated the list of the DataAccess subcomponents.</li> <li>• Section 2.5.4.1.2 LDAP FE Monitor: Added new error logs to Table 3.</li> <li>• Section 2.5.4.1.4 LDAP Counters: Added new section on the LDAP Counters subcomponent.</li> <li>• Section 2.5.4.2.2 DataBackupRestore and Section 2.5.4.2.3 Reconciliation: Updated logs in Table 7 and in Table 8.</li> <li>• Section 2.5.4.3.2 Cluster Supervisor: Updated Cluster Supervisor error log information in Table 17.</li> <li>• Section 2.5.4.3.7 Licensing: Added new section on Licensing subcomponent logs.</li> <li>• Section 2.5.4.5.1 Software Management: Added new log messages to Table 25.</li> <li>• Section 2.5.4.5.2 Configuration Management: Updated log messages and added new ones in Table 26.</li> <li>• Section 2.5.4.5.3 Fault Management: Updated a PL connection error related message information in Table 27.</li> <li>• Section 2.5.4.5.5 Security: Added new ERR and WARNING rows to Table 29.</li> </ul>

**Table 21**    *Operation and Maintenance/Health Check*

Title	Identity	Change
CUDB Health Check	7/1543-HDA 104 03/10-V1 Uen A	<p>This document is based on 7/1543-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Removed obsolete information throughout the document.</li> <li>• Virtualization terminology updates throughout the document.</li> <li>• Section 3.1.1 Output of cudbSystemStatus and Section 3.1.1.1 Fault Examples: Added OAM1 to LDAP counter and [-W-] LDAP counter in Example 8 and Example 11, respectively.</li> <li>• Section 3.3.4 Checking ESA Processes: Updated OAM IP addresses.</li> </ul>

**Table 22** *Operation and Maintenance/Network Management*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
CUDB Node Network Description	<i>4/1551-CSH 109 067/10 Uen A</i>	<p>This document is based on 4/1551-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"><li>• Document revised and expanded with the content previously available in CUDB Node Network Configuration.</li><li>• Removed obsolete information.</li><li>• Virtualization terminology update throughout the document.</li></ul>

**Table 23** *Operation and Maintenance/Performance Management*

<b>Title</b>	<b>Identity</b>	<b>Change</b>
CUDB Counters List	<i>1/006 51-CSH 109 067/10 Uen A</i>	<p>This document is based on 1/00651-CSH 109 067/9 with the following changes:</p> <ul style="list-style-type: none"><li>• Section 2.1 LDAP Server Counters: Updated section regarding the configuration of LDAP FEs.</li><li>• Section 2.3.2 DS Cluster Counters: Updated the description of failedLdapRequests in Table 24, and the range of DSn.</li></ul>
CUDB Performance Guide	<i>4/1553-HDA 104 03/10 Uen A</i>	<p>This document is based on 4/1553-HDA 104 03/9 with revised content and structure.</p>



**Table 24**    *Operation and Maintenance/Security Management*

Title	Identity	Change
CUDB Security and Privacy Management	8/1553-HDA 104 03/10-V1 Uen A	<p>This document is based on 8/1553-HDA 104 03/9 with the following changes:</p> <ul style="list-style-type: none"> <li>• Removed obsolete information and updated references accordingly.</li> <li>• Added information on cloud infrastructure and marked BSP 8100 information throughout the document.</li> <li>• OAM Automation with NETCONF Support updates throughout the document.</li> <li>• Section 3.3 Allowed Protocols, Services and Ports: Renamed and updated section.</li> <li>• Section 4.1.2.4 Configuring Inactivity Timer: Added this new subsection.</li> <li>• Section 4.1.2.5 cudbadmin Group Permissions and Section 4.1.2.6 cudbOperator Group Permissions: Added grep command and updated uses of tail command.</li> <li>• Section 4.1.2.6 cudbOperator Group Permissions: Updated basic ESA commands section.</li> <li>• Section 4.1.3.3 Configuring Password Strength: Updated rules of strong passwords.</li> <li>• Section 4.3.1 Changing the Password of the rootdn User: Added a Warning about ASCII alphabetic and numeric digit characters.</li> <li>• Section 4.3.3.2 Storage of a Specific LDAP User Password: Updated Step 2 with the updateUserInfo administrative operation.</li> <li>• Section 6 Certification Authority: Updated with information on backward compatibility with SSL.</li> <li>• Section 13 Other Security Recommendations: Updated with new recommendation on performing scheduled maintenance actions.</li> </ul>

**Table 25** *Operation and Maintenance/HW Management*

Title	Identity	Change
CUDB Node Hardware Description	3/1551-CSH 109 067/10 Uen A	This document is based on 3/1551-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"><li>Removed obsolete hardware information and updated references accordingly. Modifications because of changes in supported hardware type.</li></ul>
Server Platform, Blade Replacement	4/1543-CSH 109 067/10 Uen A	This document is based on 4/1543-CSH 109 067/9 with the following changes: <ul style="list-style-type: none"><li>Removed obsolete information.</li><li>Virtualization terminology updates throughout the document.</li><li>Section 3.3.2 Preparing Payload Blade (PLDB or DSG Blade) Replacement: Updated procedure in Step 2 and Step 3.</li><li>Section 3.3.2.1 Disabling Automatic Mastership Change: Updated procedure.</li><li>Section 3.3.3 Finishing Blade Replacement Preparation: Updated commands. Added a note about alarms that might appear during blade replacement.</li><li>Section 3.8 Finalizing Replacement: Updated procedure in step 8. Updated "Do!" admonition, as BIOS upgrade instructions are added to Release Notes.</li><li>Section 3.10.1 Parallel Blade Replacement Procedure: Added a note about how to replace multiple blades in parallel. Updated Step 6. Updated the note about replacement execution and the step list about the replacement of multiple blades in parallel.</li></ul>

## 2.1.7 Interface

**Table 26** *Interface*

Title	Identity	Change
CUDB LDAP Interwork Description	1/155 19-HDA 104 03/10 Uen A	This document is based on 1/15519-HDA 104 03/9 with the following changes: <ul style="list-style-type: none"><li>Section 3.4 CUDB LDAP Users and Groups, Section 3.9 LDAP Views, and Section 6 Operations: Updated information on function availability.</li><li>Section 3.6 Multi Service Consumer and Association Data: Added information about container entries.</li><li>Section 6.3 Error Codes: Added error code 3 to Table 16 and updated proxy timeout information for error code 11.</li></ul>

## 2.1.8 3rd Party Products

**Table 27** *3rd Party Products*

Title	Identity	Change
3PP CPI Package for CUDB	190 89-LZN 708 0805 Uen A	



## 2.2 Removed Documents

*Table 28 Documents Removed from Library*

Title	Identity	Comment
CUDB Node Environmental Specifications	2/1533-CSH 109 067/9 Uen F	
EBS Site Requirements	1/1551-HSC 901 023 Uen B	
Mounting Instruction for ESD Label SVB 129 102/1	1/151 81-SVB 129 102/1 Uen B	
CUDB Network Impact Report, Upgrade from CUDB 13B FD1 CP2 to CUDB 16A FD1	4/109 48-FGC 101 2935 Uen B	
CUDB Network Impact Report, Upgrade from CUDB 15A CP1 to CUDB 16A FD1	6/109 48-FGC 101 2935 Uen B	
CUDB Network Impact Report, Update from CUDB 16A to 16A FD1	5/109 48-FGC 101 2935 Uen B	
COM Command-Line Interface	4/155 19-CAA 901 2587/5 Uen E2	
COM Management Guide	1/1553-CAA 901 2587/5 Uen J4	
Core MW Management Guide	2/1553-APR 901 0444/1 Uen X	
DMX Initial Start	3/1531-CSA 101 17/3-1 Uen B	
DMX Software Management	6/1553-CNA 128 59/1 Uen T	
DMX System Management	3/1553-CNA 128 59/1 Uen S	
eVIP Management Guide	1/1553-APR 901 0467/1 Uen Y	
LDE Management Guide	1/1553-CAA 901 2978/1 Uen J	
DMX Fault Management	8/1553-CNA 128 59/1 Uen F	
COM SA, AMF Component Cleanup Failed	7/1543-CAA 901 2642/3 Uen B	
COM SA, AMF Component Instantiation Failed	2/1543-CAA 901 2642/3 Uen B	
COM SA, AMF SI Unassigned	3/1543-CAA 901 2642/3 Uen E	
COM SA, CLM Cluster Node Unavailable	5/1543-CAA 901 2642/3 Uen B	
DMX System Notifications	1/1543-CNA 128 59/1 Uen K	
LOTG Ethernet Bonding	2/1543-ANA 901 39/3 Uen C	
LOTG Memory Usage	5/1543-ANA 901 39/3 Uen C	
DMX Log Management	5/1553-CNA 128 59/1 Uen J	
Installation of Equipped Cabinet BYB 501	1531-FCM 101 1317 Uen J	
DMX Hardware Equipment Management	1/1553-CNA 128 59/1 Uen K	