

Library Changes

MTAS

LIBRARY REVISION INFORMATION

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1 Introduction

This document shows the changes in the MTAS library between the following releases:

From vMTAS 1.11.0 R10A EN/LZN 765 0163/9 R10A
To vMTAS 1.12.0 R11A EN/LZN 765 0163/9 R11A

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
Glossary of Terms and Acronyms	1/0033-AVA 901 29/9 Uen K	Added terms for ENM, EO, NFVO, NFVI, VIM, VNFM, Or-Vnfm, Or-Vi, and Vi-Vnfm.
Library Changes	109 45-EN/LZN 765 0163/9-10 Uen A	New document
MTAS Library Overview	1551-EN/LZN 765 0163/9 Uen L	Updated for MTAS 1.12.0.



2.1.2 Product Overview

Table 2 Product Overview

Title	Identity	Change
Free and Open Source Software	1/0962-AVA 901 29/9 Uen K	Table 1 updated
vMTAS 1.12 / MTAS 4.12 Technical Product Description MMTel AS	2/221 02-FGC 101 2990 Uen M	

Table 3 Product Overview/Statement of Compliance/SS7 Signalling

Title	Identity	Change
MAP ETSI	174 02-CAA 201 45 Uen AE	MR 105 65-0334/54813: SS7 Linux: Support of MAP V3 Check Imei service according to TS 29.002 V13.6.0

2.1.3 Planning

Table 4 Planning

Title	Identity	Change
vMTAS Network Impact Report from 1.10 to 1.12.0	25/109 48-AVA 901 29/9-11 Uen B	New document
vMTAS Network Impact Report from 1.11.0 to 1.12.0	26/109 48-AVA 901 29/9-11 Uen C	New document
MTAS Internal and External Connectivity	1/1551-AVA 901 29/9 Uen J	Section 1.2.2 MTAS Virtual Network Function updated. Section 3.2.5 MTU updated. Section 3.9.5 updated.

2.1.4 Installation

Table 5 Installation

Title	Identity	Change
vMTAS Upgrade Information from 1.10.1 and 1.11.0 to 1.12.0	2/153 72-AVA 901 29/9-11 Uen B	New document

2.1.5 Operation and Maintenance

Table 6 Operation and Maintenance

Title	Identity	Change
MTAS Operation and Maintenance Guide	117/1553-AVA 901 29/9 Uen N	Section 2.1.4 Identity Handling: updated.

Table 7 Operation and Maintenance/Fault Management

Title	Identity	Change
Handling Alarms	6/1551-CAA 901 2587/7 Uen B	



Table 8 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
LOTC, Disk Usage	3/1543-ANA 901 39/4 Uen D	
MMAS, CPU Load Limit Exceeded	1/1543-ANA 901 40/6 Uen D	Finalized document.
SS7 CAF Call Control Replaced	19/1543-ANA 901 37 Uen C	
SS7 CAF Congestion Status Change	16/1543-ANA 901 37 Uen C	
SS7 CAF Connections Exceed High Threshold	6/1543-ANA 901 37 Uen C	
SS7 CAF Dialogue Threshold High Watermark Exceeded	1/1543-ANA 901 37 Uen D	
SS7 CAF Dialogue Threshold High Watermark Exceeded ANSI TCAP	27/1543-ANA 901 37 Uen C	
SS7 CAF DPC State Change	22/1543-ANA 901 37 Uen C	
SS7 CAF ECM Goes Active	12/1543-ANA 901 37 Uen C	
SS7 CAF ECM Goes Down	11/1543-ANA 901 37 Uen D	
SS7 CAF Link Deactivated	17/1543-ANA 901 37 Uen C	
SS7 CAF Link out of service	3/1543-ANA 901 37 Uen D	
SS7 CAF Link Unavailable for UP	26/1543-ANA 901 37 Uen C	
SS7 CAF Local Link Congestion	18/1543-ANA 901 37 Uen C	
SS7 CAF Low Link Availability	5/1543-ANA 901 37 Uen C	
SS7 CAF Number of Circuits Exceed High Water Mark	21/1543-ANA 901 37 Uen C	
SS7 CAF OAM Connection Lost	2/1543-ANA 901 37 Uen C	
SS7 CAF Process Down	10/1543-ANA 901 37 Uen D	
SS7 CAF Remote Processor Outage	4/1543-ANA 901 37 Uen C	
SS7 CAF Remote SSN Status Change	7/1543-ANA 901 37 Uen C	
SS7 CAF Resource Group State Change	20/1543-ANA 901 37 Uen C	
SS7 CAF Route Set Failure	15/1543-ANA 901 37 Uen C	
SS7 CAF SCCP Bind Request	8/1543-ANA 901 37 Uen E	
SS7 CAF SCCP Unbind Request	25/1543-ANA 901 37 Uen C	
SS7 CAF SCTP IP Path is Down	24/1543-ANA 901 37 Uen C	
SS7 CAF Signaling Process State Change	14/1543-ANA 901 37 Uen D	
SS7 CAF SSC Received	9/1543-ANA 901 37 Uen C	



Table 8 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
SS7 CAF Start Process Failed	23/1543-ANA 901 37 Uen C	
SS7 CAF State Change	13/1543-ANA 901 37 Uen D	

Table 9 Operation and Maintenance/Fault Management/Troubleshooting Information

Title	Identity	Change
MTAS AppTrace	26/1553-AVA 901 29/9 Uen M	DialPlanProcess.1101962 replaced with CommBarTableMatchingProcess.1126759 throughout the document. ims.mtas.services.prenn added to AppTrace Domains in MTAS. Updated section 3.4 Catalina Log. Section 3.7 updated, Section 3.8 updated, section 3.8 step 6 removed. Section 6.1–6.5 updated
MTAS Fault Codes Catalogue	1/1545-AVA 901 29/9 Uen J	Section 2.1.1 table 2 updated
MTAS Network Tracing	63/1553-AVA 901 29/9 Uen F	Section 2.1 NetTrace updated. Section 2.4 Machine-readable Min Trace Level Example 1 updated. Section 2.5 Machine-readable Max Trace Level Example 2 updated.

Table 10 Operation and Maintenance/Fault Management/Data Collection

Title	Identity	Change
Data Collection Guideline for MTAS	70/1543-AVA 901 29/9 Uen M	Section 4.3 and 4.4: updated.

Table 11 Operation and Maintenance/Configuration Management

Title	Identity	Change
Core MW Management Guide	2/1553-APR 901 0444/4 Uen X	New document

Table 12 Operation and Maintenance/Configuration Management/Configuration Management Parameters

Title	Identity	Change
vMTAS Master Parameter Value List	1/190 73-AVA 901 29/9 Uen M	
vMTAS Master Parameter Value List for Performance Management	2/190 73-AVA 901 29/9 Uen E	

Table 13 Operation and Maintenance/Configuration Management/Configuration OPIs, MTAS

Title	Identity	Change
MTAS Barring and Dial Plan Services Management Guide	13/1553-AVA 901 29/9 Uen H	Updated section 2. Added new sections 2.2.15 Number Translation and 2.2.16 Number Portability. Added new section 3.6 Checking for Call Analysis Condition. Updated section 4.1. Updated section 4.9. Updated section 5.19.2. Added new section 8.16.
MTAS Communication Setup Announcement Management Guide	136/1553-AVA 901 29/9 Uen B	Added new section 2.3.9. Updated Section 3. Added new sections 3.1--3.9, and 7.1.2.



Table 13 Operation and Maintenance/Configuration Management/Configuration OPIs, MTAS

Title	Identity	Change
MTAS Communication Waiting Management Guide	36/1553-AVA 901 29/9 Uen E	Section 2.7.1: updated.
MTAS Dialed Number Mapping Management Guide	70/1553-AVA 901 29/9 Uen J	Section 3.4.7.1: updated.
MTAS Emergency Call Notification Management Guide	83/1553-AVA 901 29/9 Uen E	Section 2, item 2: updated.
MTAS Explicit Communication Transfer Management Guide	54/1553-AVA 901 29/9 Uen D	Section 4 Performance Management: updated with counters.
MTAS Flexible Communication Distribution Management Guide	31/1553-AVA 901 29/9 Uen J	Section 2.3 Distribution to Primary User: editorial change.
MTAS Hold Communication Management Guide	37/1553-AVA 901 29/9 Uen F	Section 2.1.3: updated.
MTAS IPv6 Management Guide	76/1553-AVA 901 29/9 Uen H	Link errors corrected.
MTAS MMTel Management Guide	57/1553-AVA 901 29/9 Uen K	Updated section 2.1.11.2 Extended Subscription Information.
MTAS Network Announcement Management Guide	25/1553-AVA 901 29/9 Uen F	Sections updated: 2.1.3, 3.5.1, 3.7, 3.8.1, 3.9, and 3.10.
MTAS Number Translation Management Guide	77/1553-AVA 901 29/9 Uen G	Section 3.5 Translation Rules: updated.
MTAS SIP Upstream Overload Control Management Guide	129/1553-AVA 901 29/9 Uen F	Updated section 4.
MTAS SS7 Management Guide	85/1553-AVA 901 29/9 Uen D	Section 6.4 Configure SCTPs, PMTU and IPv6 PMTU added
MTAS Supplementary Service Codes Management Guide	14/1553-AVA 901 29/9 Uen J	
MTAS Unified Communication Routing Management Guide	132/1553-AVA 901 29/9 Uen C	Added section 2.1.5.
MTAS VNF Life Cycle Management Guide	131/1553-AVA 901 29/9 Uen K	Updated for EO. Section 1, Section 2.1, Section 3 step 3. Section 4.2, Section 4.3 and Section 4.4.

Table 14 Operation and Maintenance/Configuration Management/Diameter Management

Title	Identity	Change
Diameter, Configure Own Node	11/1543-CXP 904 0375/4 Uen A	New document First version, based on 147/1543-APA 901 44/1, originally in the CBA System Functions library.
Diameter, Configure Peer Node and Connections	10/1543-CXP 904 0375/4 Uen A	New document First version, based on 148/1543-APA 901 44/1, originally in the CBA System Functions library.



Table 14 Operation and Maintenance/Configuration Management/Diameter Management

Title	Identity	Change
Diameter, Configure Realm Routing Table	9/1543-CXP 904 0375/4 Uen A	New document
Diameter, Disable Peer Node	8/1543-CXP 904 0375/4 Uen A	New document First version, based on 151/1543-APA 901 44/1 , originally in the CBA System Functions library.

Table 15 Operation and Maintenance/Configuration Management/File Management

Title	Identity	Change
Handling Files	5/1551-CAA 901 2587/7 Uen C	

Table 16 Operation and Maintenance/Configuration Management/Transport Management

Title	Identity	Change
Infrastructure Adaptation	4/1551-APR 901 0467/3 Uen A	New document New doc adopted from 1/1551-ANA 901 39/4.
Virtual IP Routing	3/1551-APR 901 0467/3 Uen A	New document New document
Change Maximum Transmission Unit Size	151/1543-AVA 901 29/9 Uen A	New document New document.
Change Maximum Transmission Unit Size	9/1543-APR 901 0467/3 Uen A	New document New document based on 9/1543-ANA 901 39/4.

Table 17 Operation and Maintenance/Configuration Management/SS7 Management

Title	Identity	Change
Signaling Manager User Guide	1553-CNA 403 0874/1 Uen AU	HW82808: Signaling Manager User Guide contains the incomplete list of alarms.
Configuring SS7, SCTP	1/1543-CNA 403 0874/3 Uen X	New document

Table 18 Operation and Maintenance/Configuration Management/Provisioning

Title	Identity	Change
MTAS CAI3G Interface	22/155 19-AVA 901 18 Uen AC	
MTAS Examples of Provisioning Requests	4/190 01-AVA 901 18 Uen M	
MTAS Service Data Structure	2/190 01-AVA 901 18 Uen X	
MTAS Ut Interface	21/155 19-AVA 901 18 Uen AD	
MTAS Ut Structure	1/190 01-AVA 901 18 Uen G	



Table 19 Operation and Maintenance/Health Check

Title	Identity	Change
MTAS Health Check	53/1543-AVA 901 29/9 Uen T	Updated in several places. Minor editorial.

Table 20 Operation and Maintenance/Performance Management

Title	Identity	Change
MTAS Performance Indicators	2/154 43-AVA 901 29/9 Uen E	

Table 21 Operation and Maintenance/Security Management

Title	Identity	Change
Security Management for ECLI, NETCONF and File Transfer Protocols	7/1551-CAA 901 2587/7 Uen B	

Table 22 Operation and Maintenance/Security Management/Certificate Management

Title	Identity	Change
Certificate Management	1551-CRA 119 1933 Uen E	

Table 23 Operation and Maintenance/Software Management/Backup and Restore

Title	Identity	Change
Restore Backup	56/1543-AVA 901 29/9 Uen C	Section 2.2 Restore Backup When MAC Addresses Have Been Changed.

Table 24 Operation and Maintenance/Managed Object Management

Title	Identity	Change
Managed Object Model User Guide	7/1553-CAA 901 2587/7 Uen B	New document

Table 25 Operation and Maintenance/Managed Object Management/Managed Object Model

Title	Identity	Change
Managed Object Model (MOM)	190 89-LZN 765 0163/9 Uen L	

2.1.6 Emergency

Table 26 Emergency

Title	Identity	Change
Emergency Recovery Procedure for MTAS	154 32-AVA 901 29/9 Uen H	Updated section 2, step 2. Editorial updates.



2.1.7 Interface

Table 27 Interface

Title	Identity	Change
ACR Storage in MTAS	15/155 19-AVA 901 18 Uen M	
Diameter Offline Charging in MTAS	13/155 19-AVA 901 18 Uen Y	
Diameter Online Charging in MTAS	11/155 19-AVA 901 18 Uen Y	
Ericsson Command-Line Interface	4/155 19-CAA 901 2587/7 Uen G	
Ericsson NETCONF Interface	2/155 19-CAA 901 2587/7 Uen F	
MTAS, Online Charging, version 1	3/190 04-AVA 901 18 Uen U	
MTAS, Online Charging, version 2	6/190 04-AVA 901 18 Uen T	
MTAS, Online Charging, version 3	16/190 04-AVA 901 18 Uen M	

2.2 Removed Documents

Table 28 Documents Removed from Library

Title	Identity	Comment
Library Changes	109 45-EN/LZN 765 0163/9-9 Uen A	
vMTAS Network Impact Report from 1.10 to 1.11.0	25/109 48-AVA 901 29/9-10 Uen B	
vMTAS Upgrade Information from 1.10.1 and 1.11.0	2/153 72-AVA 901 29/9-10 Uen A	
Core MW Management Guide	2/1553-APR 901 0444/1 Uen U	
MTAS Calling Name Identity Presentation Management Guide for Cname	123/1553-AVA 901 29/9 Uen A	
Configure Own Node	147/1543-APA 901 44/1 Uen F	
Configure Peer Node and Connections	148/1543-APA 901 44/1 Uen H	
Configure Realm Routing Table	149/1543-APA 901 44/1 Uen H	
Disable Peer Node	151/1543-APA 901 44/1 Uen H	
Infrastructure Adaptation	1/1551-ANA 901 39/4 Uen A	
Change Maximum Transmission Unit Size	9/1543-ANA 901 39/4 Uen A	
Configuring SS7, SCTP	1/1543-CNA 403 0874/1 Uen S	
Managed Object Model User Guide	2/1553-APA 901 44/1 Uen E	