

# MTAS Library Overview

MTAS

DESCRIPTION

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# 1 Introduction

This document lists the information available for the MTAS.

## 1.1 Library Distribution

Libraries are distributed as follows:

- Online libraries on CAL Store.

## 1.2 CPI Product Numbers

The product numbers and delivery information is provided in Table 1.

Table 1 CPI Product Numbers

Product Name	Product Number	Library
vMTAS 1.12.0	AVA 901 29/9 R11A	EN/LZN 765 0163/9 R11A

## 1.3 Library Access

How to access the library, refer to [How to Get Started with Active Library Explorer](#).

## 1.4 Library Structure

The library consists of documents grouped into the following main folders:

- Library Overview
- Product Overview
- Planning
- Installation
- Operation and Maintenance
- Emergency
- Interface



## 1.5 Document Types

The documents are grouped into the following three types:

- Descriptive documents contain descriptions of the product on different levels.
- Operational documents give instructions on how to operate or maintain the product.
- Reference documents contain more information to which a user needs to refer.

## 1.6 Related Information

Trademark information, typographic conventions, definition, and explanation of acronyms and terminology used in this library, refer to the following documents:

- Glossary of Terms and Acronyms
- Trademark Information
- Typographic Conventions



## 2 MTAS Support Library

This section describes the library contents for the MTAS.

### 2.1 Library Overview

Documents included in this area are listed in Table 2. These documents are intended for all personnel involved in work related to any aspect of the product.

Table 2 Library Overview

Title	Description	Type
Glossary of Terms and Acronyms	Explains the terms and acronyms that occur in the library.	Reference
MTAS Library Overview	Overview of the CPI library (this document).	Reference
Trademark Information	Lists the trademarks used in the library.	Reference
Typographic Conventions	Describes the typographic conventions used in the library.	Reference

### 2.2 Product Overview

Documents included in this area are listed in Table 3. These documents are intended as an introduction for all personnel who want to learn more about the product.

Table 3 Product Overview

Title	Description	Type
Free and Open Source Software	Contains notices and license documentation related to the Free and Open Source Software (FOSS) that is included in the MTAS.	Descriptive
Technical Product Descriptions	Technical descriptions of the different features in MTAS.	Descriptive
Virtual MTAS Infrastructure Requirements	Technical description of infrastructure resource requirements	Descriptive

#### 2.2.1 Statement of Compliance

Statement of Compliance are listed in Table 4. These documents are intended as an introduction for all personnel who want to learn more about the product.



Table 4 Statement of Compliance

Description	Type
Detailed information on the MTAS compliance to standards and interfaces.	Descriptive

## 2.3 Planning

Document included in this area are listed in Table 5. These documents are intended for personnel responsible for planning, implementation, and product handling.

Table 5 Planning

Title	Description	Type
vMTAS Network Impact Reports	Describes the impact of current product release on a previous release of the product.	Descriptive
MTAS Internal and External Connectivity	Describes the internal and external connectivity of the MTAS product.	Descriptive

## 2.4 Installation

Documents included in this area are listed in Table 6. These documents are intended for personnel performing hardware installation, software installation, and configuration.

Table 6 Installation

Title	Description	Type
vMTAS Upgrade Information	Describes the upgrade impact.	Descriptive, Operative

## 2.5 Operation and Maintenance

Documents included this area are listed in Table 7. These documents are intended as an introduction for personnel involved in any operation and maintenance activity.





Table 7 General Operation and Maintenance Documents

Title	Description	Type
Ericsson Command-Line Interface User Guide	Describes the basic features of the Ericsson Command Line Interface (ECLI) and how to use it.	Descriptive, Operative
MTAS Operation and Maintenance Guide	Describes the operation and maintenance of the MTAS. Acts as an entry point to the operation and maintenance procedures within the MTAS and the tasks are presented on a functional level rather than managed object level.	Descriptive, Operative

## 2.5.1 Fault Management

Documents included in this area are listed in Table 8. These documents are intended for personnel performing fault handling, alarm handling, and troubleshooting.

Table 8 Fault Management

Title	Description	Type
Handling Alarms	Provides an overview of the management model and concepts associated with the Fault Management managed area.	Descriptive
<b>Alarms</b>		
In this area all alarms are listed.		
MTAS Alarm List	Lists all alarms that the product can receive.	Reference
<b>Troubleshooting Information</b>		
IMS Common Components Troubleshooting Guide	Describes how to perform troubleshooting procedures of the IP Multimedia Subsystem (IMS) Common Component (CMCO) products.	Descriptive, Operative
MTAS AppTrace	Describes how to use and apply the AppTrace in MTAS.	Descriptive, Operative
MTAS Error Dump	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
MTAS Fault Codes Catalogue	Describes the fault codes that are generated by the MTAS.	Descriptive
MTAS Logs	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative



Table 8 Fault Management

Title	Description	Type
MTAS Network Tracing	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
MTAS Troubleshooting Guideline	Describes how to perform the troubleshooting procedure in the MTAS.	Descriptive, Operative
<b>Data Collection</b>		
Data Collection Guideline for MTAS	Step-by-step instructions required in health check situations.	Operative

## 2.5.2 Configuration Management

Documents included in this area are listed in Table 9. These documents are intended for personnel performing configuration and fine-tuning. They are also intended for personnel performing provisioning.

Table 9 Configuration Management

Title	Description	Type
System Management	Provides information about configuration activities, including procedures and background information.	Descriptive
MTAS Configuration for Provisioning LDAP	This document describes the Lightweight Directory Access Protocol (LDAP) interface of MTAS.	Descriptive
<b>Configuration OPIs, MTAS</b>		
Include descriptions and instructions on how to configure different MTAS services.		Descriptive, Operative
<b>Diameter Management</b>		
Diameter Management	Provides an overview of the management model and concepts associated with this managed area.	Descriptive
<b>File Management</b>		
Handling Files	Provides an overview of the management model and concepts associated with the File Management managed area.	Descriptive
<b>Transport Management</b>		



Table 9 Configuration Management

Title	Description	Type
Virtual IP Address Management	This document provides an overview of the management model and concepts associated with the Virtual IP Address Management managed area.	Descriptive
<b>SS7 Management</b>		
Signaling Manager User Guide	This document provides an overview of the Signaling Manager, which is a node management tool that is used to configure and control Signaling Nodes to enable the signaling traffic from/to other signaling nodes in the telecommunication networks.	Descriptive
<b>Parameter Information</b>		
vMTAS Parameter Value Selection Guideline	Describes how to select the value of parameters categorized as “Solution Integration” in a multi vendor deployment scenario.	Descriptive, Operative
Parameter Description for Provisioning MTAS MOCs	Describes the parameters included in the product.	Descriptive
<b>Provisioning</b>		
Generic CAI3G Interface 1.2	Describes the behavior of the Customer Administration Interface 3rd Generation (CAI3G) protocol (version 1.2) as used by the MTAS.	Descriptive
MTAS CAI3G Interface	Describes the protocol stack and services in CAI3G interface.	Descriptive
MTAS CAI3G Interface for ST AS	Describes the ST AS protocol stack and services in CAI3G interface.	Descriptive
MTAS Common Types Structure	Describes the XML schemas defining common types used to ensure consistency across the Ut, Sh, and CAI3G interfaces on the MTAS.	Descriptive
MTAS Examples of Provisioning Requests	Describes a set of examples showing the MTAS provisioning requests. Each request provisions the transparent data in the Home Subscriber Server (HSS).	Descriptive
MTAS Examples of Provisioning Requests for ST AS	Describes a set of examples showing the MTAS ST AS provisioning requests. Each request provisions the transparent data in the Home Subscriber Server (HSS).	Descriptive



Table 9 Configuration Management

Title	Description	Type
MTAS Service Data Structure	Describes the XML schemas used in the MTAS to validate the MMTel user, group service data (operator and user parts) and service number data (operator part) and explain their structure.	Descriptive
MTAS Ut Interface	Describes the compliance of the MTAS XDMS against the Ut interface	Descriptive
MTAS Ut Structure	Describes the XML schemas used in the MTAS over the Ut interface and explains their structure.	Descriptive

### 2.5.3 Health Check

Table 10 Health Check

MTAS Health Check	Step-by-step instructions required in health check situations.	Operative
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### 2.5.4 Performance Management

Documents included in this area are listed in Table 11. These documents are intended for personnel involved in performance monitoring.

Table 11 Performance Management

Title	Description	Type
Performance Management	Provides an overview of the management model and concepts associated with the Performance Management managed area.	Descriptive
MTAS Performance Measurements	Describes the Performance Measurement parameters available in the MTAS.	Descriptive
MTAS Performance Indicators	Describes performance measures and formulas based on available counters in the MTAS with the intention to support the making of PM reports for IMS systems and nodes.	Descriptive
MTAS Signaling Traffic Performance Indicators	Describes MTAS signaling traffic performance indicators intended for PM reports supporting IMS.	Descriptive



## 2.5.5 Scaling Management

Documents included in this area are listed in Table 12. These documents are intended for personnel involved in performance monitoring.

Table 12 Scaling Management

Title	Description	Type
MTAS Scaling Management Guide	Describes the scalability functions of the MTAS cluster as a distributed system and give instructions how to do expansion or contraction of the cluster by these functions.	Descriptive

## 2.5.6 Security Management

Documents included in this area are listed in Table 13. These documents are intended for personnel performing security tasks, including supervision and user administration. They are also intended for personnel performing hardening of the product.

Table 13 Security Management

Title	Description	Type
MTAS Security Guide	Describes the security functions implemented by MTAS.	Descriptive
SSH and TLS Protocol Management	Provides an overview of the SSH and TLS protocol management.	Descriptive
Security Management for ECLI, NETCONF, and File Transfer Protocols	Provides an overview of the management model and concepts associated with the system and security management for ECLI and NETCONF-managed area.	Descriptive
User Management	Provides an overview of the management model and concepts associated with the Security Management managed area.	Descriptive
Audit Information	Describes the Linux® audit log.	Descriptive
<b>Certificate Management</b>		
Certificate Management	Provides an overview of the management model and concepts associated with the Certificate Management managed area.	Descriptive
<b>LDAP Authentication Management</b>		



Table 13 Security Management

Title	Description	Type
Contains Operational Instructions related to User Management regarding LDAP.		Operative
<b>Local Authentication Management</b>		
Contains Operational Instructions related to User Management regarding local authentication.		Operative

## 2.5.7 Software Management

Documents included in this area are listed in Table 14. These documents are intended for personnel performing preventive maintenance of the software and for personnel involved in troubleshooting. They are also intended for personnel performing backup and restoration.

Table 14 Software Management

Title	Description	Type
Software Management	Provides an overview of the management model and concepts associated with the Software Management managed area.	Descriptive
Software Inventory Management	Provides an overview of the management model and concepts associated with the Software Inventory Management managed area.	Descriptive
<b>Backup and Restore</b>		
System Backup and Restore	Provides an overview of the management model and concepts associated with the Backup and Restore managed area.	Descriptive
<b>License Management</b>		
License Management	Provides an overview of the management model and concepts associated with the License Management managed area.	Descriptive
MTAS Licenses	Describes the MTAS licenses.	Descriptive

## 2.5.8 Managed Object Management

Documents included in this area are listed in Table 15. These documents are intended for personnel performing configuration and fine-tuning.



Table 15 Managed Object Management

Title	Description	Type
Managed Object Model User Guide	Describes the Managed Object Model (MOM) and how to use it.	Descriptive, Operative
Managed Object Model (MOM)	Defines the information model regarding node management. Presents a view of the manageable resources in the node as well as the parameters and actions associated with these resources.	Descriptive, Operative

## 2.6 Emergency

Documents included in this area are listed in Table 16. These documents are intended for personnel authorized to perform an emergency recovery.

Table 16 Emergency

Title	Description	Type
Emergency Recovery Procedure for MTAS	Information regarding emergency recovery activities, including procedures and background information.	Descriptive, Operative

## 2.7 Interface

Documents included in this area are shown are listed in Table 17. These documents are intended for personnel needing to understand the logical entity, including interfaces and protocols.

Table 17 Interface

Title	Description	Type
Interwork Descriptions	Description of the interfaces.	Descriptive, Reference
<b>Events</b>		
AlarmListRebuilt	Describes event AlarmListRebuilt and how to handle it.	Descriptive, Operative
eVIP, Configuration Fault	Describes event eVIP, Configuration Fault and how to handle it.	Descriptive, Operative
HeartBeat	Describes event HeartBeat and how to handle it.	Descriptive, Operative