

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 1.15.0	AVA 901 29/9 R14A	EN/LZN 765 0163/9 R14A

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 Customer 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

2.3 Planning

Document included in this area are listed in Table 4. These documents are intended for personnel responsible for planning, implementation, and product handling.



Table 4 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 5. These documents are intended for personnel performing hardware installation, software installation, and configuration.

Table 5 Installation

Title	Description	Type
vMTAS Upgrade Information	Describes the upgrade impact.	Descriptive, Operative
Onboard VNF Package on EO	Describes onboarding procedure for workflow-based VNF operations using Ericsson Orchestrator (EO).	Descriptive, Operative
Onboard VNF Package on VNF-LCM	Describes the onboarding procedure for deployment of a Virtual Network Function (VNF) using VNF-LCM.	Descriptive, Operative

2.5 Operation and Maintenance

Documents included this area are listed in Table 6. These documents are intended as an introduction for personnel involved in any operation and maintenance activity.

Table 6 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 7. These documents are intended for personnel performing fault handling, alarm handling, and troubleshooting.

Table 7 Fault Management

Title	Description	Type
Handling Alarms	Provides an overview of the management model and concepts associated with the Fault Management managed area.	Descriptive
Alarms		
In this area all alarms are listed.		
MTAS Alarm List	Lists all alarms that the product can receive.	Reference
Troubleshooting Information		
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
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
Data Collection		
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 8. These documents are intended for personnel performing configuration and fine-tuning. They are also intended for personnel performing provisioning.

Table 8 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
Configuration OPIs, MTAS		
Include descriptions and instructions on how to configure different MTAS services.		Descriptive, Operative
Diameter Management		
Diameter Management	Provides an overview of the management model and concepts associated with this managed area.	Descriptive
File Management		
Handling Files	Provides an overview of the management model and concepts associated with the File Management managed area.	Descriptive
Transport Management		
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
SS7 Management		
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
Parameter Information		



Table 8 Configuration Management

Title	Description	Type
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
Provisioning		
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
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 Performance Management

Documents included in this area are listed in Table 9. These documents are intended for personnel involved in performance monitoring.

Table 9 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

2.5.4 Scaling Management

Documents included in this area are listed in Table 10. These documents are intended for personnel involved in performance monitoring.

Table 10 Scaling Management

Title	Description	Type
MTAS Scaling Management	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

2.5.5 Security Management

Documents included in this area are listed in Table 11. 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 11 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
Certificate Management		
Certificate Management	Provides an overview of the management model and concepts associated with the Certificate Management managed area.	Descriptive
LDAP Authentication Management		
Contains Operational Instructions related to User Management regarding LDAP.		Operative
Local Authentication Management		
Contains Operational Instructions related to User Management regarding local authentication.		Operative

2.5.6 Software Management

Documents included in this area are listed in Table 12. 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 12 Software Management

Title	Description	Type
Software Management	Provides an overview of the management model and concepts associated with the Software Management managed area.	Descriptive



Table 12 Software Management

Title	Description	Type
Software Inventory Management	Provides an overview of the management model and concepts associated with the Software Inventory Management managed area.	Descriptive
Backup and Restore		
System Backup and Restore	Provides an overview of the management model and concepts associated with the Backup and Restore managed area.	Descriptive
License Management		
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

2.5.7 VNF Lifecycle Management

Documents included in this folder are listed in Table 13. These documents contain information on how to manage VNF lifecycle procedures.

Table 13 VNF Lifecycle Management

Title	Description	Type
MTAS VNF Lifecycle Management	Provides an overview of the workflow execution environment and a web-based application for managing VNF lifecycle procedures.	Descriptive
Configure Time-Based Scaling	Step-by-step instructions for Time-based Scaling.	Operative
Heal VNF	Step-by-step instructions to heal a VNF.	Operative
Instantiate VNF Using EO	Step-by-step instructions to instantiate a VNF in EO.	Operative
Instantiate VNF Using VNF-LCM	Step-by-step instructions to instantiate a VNF in VNF-LCM.	Operative
Scale In VNF	Step-by-step instructions to decrease capacity in a VNF.	Operative
Scale Out VNF	Step-by-step instructions to increase capacity in a VNF.	Operative



Table 13 VNF Lifecycle Management

Title	Description	Type
Terminate VNF Using EO	Step-by-step instructions to terminate a VNF using EO.	Operative
Terminate VNF Using VNF-LCM	Step-by-step instructions to terminate a VNF using VNF-LCM..	Operative

2.5.8 Health Check

Table 14 Health Check

MTAS Health Check	Step-by-step instructions required in health check situations.	Operative
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2.5.9 Events

Documents included in this area are listed in Table 15. These documents contain information about the events provided by the product.

Table 15 Events

Title	Description	Type
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

2.5.10 Managed Object Management

Documents included in this area are listed in Table 16. These documents are intended for personnel performing configuration and fine-tuning.

Table 16 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 17. These documents are intended for personnel authorized to perform an emergency recovery.

Table 17 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 18. These documents are intended for personnel needing to understand the logical entity, including interfaces and protocols.

Table 18 Interface

Title	Description	Type
Ericsson Alarm Interface	Describes the alarm interface concepts.	Descriptive, Reference
Ericsson Command-Line Interface	Describes the ECLI, including descriptions of all commands, key combinations, error messages, character support, and examples.	Descriptive, Reference
Ericsson NETCONF Interface	Describes the Ericsson Network Configuration (NETCONF) interface, including standard compliance, NETCONF operations, and examples.	Descriptive, Reference
LDAP-Based Authentication and Authorization Interface	Describes the authentication and authorization interface concepts.	Descriptive, Reference
Performance Management Report File Format	Describes the 3GPP® compliant Performance Management (PM) XML file format supported in the PM interfaces.	Descriptive, Reference
vDicos Provisioning LDAP Interface Description	Describes the Lightweight Directory Access Protocol (LDAP) interface of the vDicos VM and its compliance to LDAP v3 standard.	Descriptive, Reference