

# MTAS Library Overview

## MTAS

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### 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 Library Access

How to access the library, refer to *How to Get Started with Active Library Explorer*.

## 1.3 Library Structure

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

- Library Overview
- Product Overview
- Planning
- Installation
- Initial Configuration
- Operation and Maintenance
- Emergency
- Interface
- 3rd Party Products

## 1.4 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.

## 1.5 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 1. These documents are intended for all personnel involved in work related to any aspect of the product.

*Table 1 Library Overview*

<b>Title</b>	<b>Description</b>	<b>Type</b>
Support Library Overview	Provides an overview of the library (this document).	Reference
<i>Glossary of Terms and Acronyms</i>	Explains the terms and acronyms that occur in the library.	Reference
<i>Trademark Information</i>	Lists the trademarks used in the library.	Reference
<i>Typographic Conventions</i>	Describes the typographic conventions used in the library.	Reference

### 2.2 Product Overview

Documents included in this area are listed in Table 2. These documents are intended as an introduction for all personnel who want to learn more about the product.

*Table 2 Product Overview*

<b>Title</b>	<b>Description</b>	<b>Type</b>
<i>Free and Open Source Software</i>	Contains notices and license documentation related to the Free and Open Source Software (FOSS) that is included in the MTAS	Descriptive
<i>vMTAS 1 Technical Product Description Common Features</i>	Technical description of the products Common features.	Descriptive
<i>MTAS 17B Technical Product Description MMTel AS</i>	Technical description of the products MMTel AS features.	Descriptive
<i>MTAS 17B Technical Product Description SCC AS</i>	Technical description of the products SCC AS features.	Descriptive



Table 2 Product Overview

Title	Description	Type
<i>MTAS 16B Technical Product Description SIP Trunking AS</i>	Technical description of the products ST AS features.	Descriptive
<i>MTAS 17A Technical Product Description NW AS Communication Interworking</i>	Technical description of the Communication Interworking in NW AS.	Descriptive
<i>Virtual MTAS Infrastructure Requirements</i>	Technical description of infrastructure resource requirements	Descriptive

### 2.2.1 Statement of Compliance

Statement of Compliance 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 Statement of Compliance

Title	Description	Type
<i>MTAS Statement of Compliance Overview</i>	Detailed information on the MTAS compliance to standards and interfaces.	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
<i>vMTAS Network Impact Report from 1.4 to 1.6</i>	Describes the impact of current product release on a previous release of the product.	Descriptive
<i>vMTAS Network Impact Report from 1.5 to 1.6</i>	Describes the impact of current product release on a previous release of the product.	Descriptive
<i>MTAS Internal and External Connectivity</i>	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
<i>vMTAS Upgrade Information from 1.4.2 and 1.5.1 to 1.6</i>	Describes the upgrade impact.	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
<i>Ericsson Command-Line Interface User Guide</i>	Describes the basic features of the Ericsson Command Line Interface (ECLI) and how to use it.	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
<i>Fault Management</i>	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.		
<i>MTAS Alarm List</i>	Lists all alarms that the product can receive.	Reference
<b>Troubleshooting Information</b>		

Table 7 Fault Management

Title	Description	Type
<i>MTAS AppTrace</i>	Describes how to use and apply the AppTrace in MTAS.	Descriptive, Operative
<i>MTAS Error Dump</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
<i>MTAS Fault Codes Catalogue</i>	Describes the fault codes that are generated by the MTAS.	Descriptive
<i>MTAS Logs</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
<i>MTAS Network Tracing</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
<i>MTAS Troubleshooting Guideline</i>	Describes how to perform the troubleshooting procedure in the MTAS.	Descriptive, Operative
<b>Data Collection</b>		
<i>Data Collection Guideline for MTAS</i>	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
<i>System Management</i>	Provides information about configuration activities, including procedures and background information.	Descriptive
<i>MTAS Configuration for Provisioning LDAP</i>	This document describes the Lightweight Directory Access Protocol (LDAP) interface of MTAS.	Descriptive
<b>File Management</b>		
<i>File Management</i>	Provides an overview of the management model and concepts associated with the File Management managed area.	Descriptive
<b>Transport Management</b>		



Table 8 Configuration Management

Title	Description	Type
<i>Virtual IP Address Management</i>	This document provides an overview of the management model and concepts associated with the Virtual IP Address Management managed area.	Descriptive
<b>Parameter Information</b>		
<i>vMTAS Parameter Value Selection Guideline</i>	Describes how to select the value of parameters categorized as “Solution Integration” in a multi vendor deployment scenario.	Descriptive, Operative
<i>Parameter Description for Provisioning MTAS MOCs</i>	Describes the parameters included in the product.	Descriptive

Documents included in this area are listed in Table 9. These documents are intended for personnel working with configuring and fine tuning. It is also intended for personnel performing provisioning.

Table 9 Configuration Management

Title	Description	Type
<b>Configuration and Provisioning Interwork Description</b>		
<i>Generic CAI3G Interface 1.2</i>	Describes the behavior of the Customer Administration Interface 3rd Generation (CAI3G) protocol (version 1.2) as used by the MTAS.	Descriptive
<i>MTAS CAI3G Interface</i>	Describes the protocol stack and services in CAI3G interface.	Descriptive
<i>MTAS CAI3G Interface for ST AS</i>	Describes the ST AS protocol stack and services in CAI3G interface.	Descriptive
<i>MTAS Common Types Structure</i>	Describes the XML schemas defining common types used to ensure consistency across the Ut, Sh, and CAI3G interfaces on the MTAS.	Descriptive
<i>MTAS Examples of Provisioning Requests</i>	Describes a set of examples showing the MTAS provisioning requests. Each request provisions the transparent data in the Home Subscriber Server (HSS).	Descriptive
<i>MTAS Examples of Provisioning Requests for ST AS</i>	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
<i>MTAS Service Data Structure</i>	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

Table 9 Configuration Management

Title	Description	Type
<i>MTAS Ut Interface</i>	Describes the compliance of the MTAS XDMS against the Ut interface	Descriptive
<i>MTAS Ut Structure</i>	Describes the XML schemas used in the MTAS over the Ut interface and explains their structure.	Descriptive
<b>Configuration OPIs and Configuration Data</b>		
<i>Co-Location of AS Roles in MTAS</i>	Describes the possible collocated deployments of different Application Server (AS) roles on the same physical MTAS node.	Descriptive, Operative
<i>MTAS Abbreviated Dialing Management Guide</i>	Describes how to configure the Abbreviated Dialing session service in the MTAS.	Descriptive, Operative
<i>MTAS Address Policing Management Guide</i>	Describes the Address Policing service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Ad-Hoc Conference Management Guide</i>	Describes the Ad-Hoc Conference service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Advice of Charge Management Guide</i>	Describes the AOC service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Announcement Management Guide</i>	Describes how to manage the announcement codes for the MTAS services that play announcements.	Descriptive, Operative
<i>MTAS Application Server Interworking Management Guide</i>	Describes the AS Interworking service and how to configure the service.	Descriptive, Operative
<i>MTAS Barring and Dial Plan Services Management Guide</i>	Describes the Communication Barring service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Call Admission Control Management Guide</i>	Describes the User and Group CAC (UCAC and GCAC), and how to configure the service.	Descriptive, Operative
<i>MTAS Call Return Management Guide</i>	Describes the Call Return, and how to configure the service.	Descriptive, Operative
<i>MTAS Calling Name Identity Presentation Management Guide</i>	Describes the Calling Name Identity Presentation service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Calling Party Category Management Guide</i>	Describes the Calling Party Category service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS CAPv2 Management Guide</i>	Describes how to configure the GSM Compatible Service Switching Function (SSF) in the MTAS.	Descriptive, Operative



Table 9 Configuration Management

Title	Description	Type
<i>MTAS Carrier Select and Carrier Pre-Select Management Guide</i>	Describes the carrier selection-related services in the MTAS and how to configure these services.	Descriptive, Operative
<i>MTAS Cell Announcement Management Guide</i>	This document describes how to configure the Cell Announcement service in MTAS to enable users to receive announcements about originating locations of their mobile equipment by using Supplementary Service Codes (SSC) commands.	Descriptive, Operative
<i>MTAS Charging ACR Storage Management Guide</i>	Describes how to configure and activate the Accounting Request (ACR) storage function in the MTAS. The ACR storage function is an optional subfunction in the offline charging service in the MTAS.	Descriptive, Operative
<i>MTAS Charging Management Guide</i>	Describes how to configure and activate charging and communication details transfer in the MTAS.	Descriptive, Operative
<i>MTAS CLIR Interworking Management Guide</i>	Describes the CLIR Interwork service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Closed User Group Management Guide</i>	Describes how to configure the Closed User Group service in the MTAS.	Descriptive, Operative
<i>MTAS Communication Completion Management Guide</i>	Describes the Communication Completion service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Communication Diversion Management Guide</i>	Describes the CDIV service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Communication Waiting Management Guide</i>	Describes the Communication Waiting service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Country Code Mapping Management Guide</i>	Describes the CCM service in the MTAS and how to configure the service.	Descriptive, Operative
<i>MTAS Customized Alerting Tones Management Guide</i>	Describes the Customized Alert Tones service in the MTAS, and its configuration activities.	Descriptive, Operative
<i>MTAS Dialed Number Mapping Management Guide</i>	Describes the DNM service in the MTAS and how to configure the service.	Descriptive, Operative
<i>MTAS Dialog Event Notifier Management Guide</i>	This document describes how to configure the Dialog Event Notifier (DEN) service in the MTAS.	Descriptive, Operative

Table 9 Configuration Management

Title	Description	Type
<i>MTAS Distinctive Ring Management Guide</i>	Describes how to configure the Distinctive Ring service in the MTAS.	Descriptive, Operative
<i>MTAS Emergency Call Notification Management Guide</i>	Describes the Emergency Call Notification service in the MTAS and how to configure the service.	Descriptive, Operative
<i>MTAS Emergency State Management Guide</i>	Describes how to configure the MTAS Emergency State service in the Multimedia Telephony (MMTel) Application Server (AS).	Descriptive, Operative
<i>MTAS Explicit Communication Transfer Management Guide</i>	Describes the ECT service in the MTAS and how to configure the service.	Descriptive, Operative
<i>MTAS External Network Configuration</i>	Describes the high level configuration of the neighboring IMS nodes needed for correct operation of the MTAS. It also describes the configuration needed for making use of the specific capabilities of the MTAS.	Descriptive, Operative
<i>MTAS Flexible Communication Distribution Management Guide</i>	Describes the Flexible communication Distribution service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Flexible Service Format Selection Management Guide</i>	Describes the FSFS service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Gateway Model Management Guide</i>	Describes the GM service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Generic Announcement Management Guide</i>	Describes the Generic Announcement service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Generic Supplementary Service Codes Management Guide</i>	Describes the Generic Supplementary Service Codes used in the MTAS.	Descriptive, Operative
<i>MTAS Hold Communication Management Guide</i>	Describes the Hold Communication service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Hotline Service Management Guide</i>	Describes how to configure the Hotline service in the MTAS.	Descriptive, Operative
<i>MTAS Identity Presentation Management Guide</i>	Describes the Identity Presentation service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS IMS Centralized Services Management Guide</i>	Describes how to configure the IMS Centralized Services functions for the Service Centralization and Continuity AS in the MTAS.	Descriptive, Operative



Table 9 Configuration Management

<b>Title</b>	<b>Description</b>	<b>Type</b>
<i>MTAS IPv6 Management Guide</i>	This document describes how to enable and configure IPv6 for the MTAS to its peer nodes.	Descriptive, Operative
<i>MTAS Japanese Charging Management Guide</i>	Describes how to configure the Japanese Charging service in MTAS.	Descriptive, Operative
<i>MTAS Malicious Communication Identification Management Guide</i>	Describes the MCID service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Media Control Management Guide</i>	Describes how to configure the attributes controlling the MRFC and the Media Resource Function Processor (MRFP).	Descriptive, Operative
<i>MTAS MMTel Management Guide</i>	Describes the basic MMTel service that the MTAS offers to its subscribers.	Descriptive, Operative
<i>MTAS MMTel Service Profiles Management Guide</i>	Describes how to configure the Service Profile data in the MTAS.	Descriptive, Operative
<i>MTAS Multiple Languages Management Guide</i>	Describes the Multiple Languages service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Network Announcement Management Guide</i>	Describes the Network Announcement service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Network Provided Ring Back Tone Management</i>	Describes how to configure the Ring Back Tone service in the MTAS.	Descriptive, Operative
<i>MTAS Node Management Guide</i>	Describes the node level management of the functions of the MTAS.	Descriptive, Operative
<i>MTAS Number Normalization Management Guide</i>	Describes the MTAS Number Normalization function.	Descriptive, Operative
<i>MTAS Number Portability Management Guide</i>	Describes the NP service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Number Translation Management Guide</i>	Describes the Number Translation service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Operator Controlled Transfer Management Guide</i>	Describes the operator-controlled transfer service in the MTAS and how to configure the service.	Descriptive, Operative
<i>MTAS Originating Calling Name Identity Presentation Management Guide</i>	Describes the Originating Calling Name Identity Presentation service in the MTAS, and how to configure the service.	Descriptive, Operative



Table 9 Configuration Management

Title	Description	Type
<i>MTAS Parlay X Management Guide</i>	Describes the Parlay X service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Parlay X in MMTel Management Guide</i>	Describes the Parlay X in MMTel service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Priority Call Management Guide</i>	Describes the Priority Call service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Service Management Guide</i>	Provides a short description of each service in the MTAS, and how to configure these services.	Descriptive, Operative
<i>MTAS Session Transfer to Own Device Management Guide</i>	Describes the STOD service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Short Number Dialing Management Guide</i>	Describes the SND service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS SIP Management Guide</i>	Describes how to configure the SIP in the MTAS.	Descriptive, Operative
<i>MTAS SIP Trunking Management Guide</i>	Describes how to configure the SIP trunking in the MTAS.	Descriptive, Operative
<i>MTAS SIP Trunking Service Management Guide</i>	Describes how to configure the SIP trunking service in the MTAS.	Descriptive, Operative
<i>MTAS SRVCC Management Guide</i>	Describes the SRVCC service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS SS7 Management Guide</i>	Describes how to configure the SS7 function in the MTAS.	Descriptive, Operative
<i>MTAS Subscriber Data Management Guide</i>	Describes how to configure the subscriber data function in the MTAS.	Descriptive, Operative
<i>MTAS Supplementary Service Codes Management Guide</i>	Describes how to configure the Supplementary Service Codes in the MTAS to enable users to access and control their supplementary services by using service code commands.	Descriptive, Operative
<i>MTAS Target Handling Management Guide</i>	Describes how to configure the Target Handling function in the MTAS.	Descriptive, Operative
<i>MTAS Three Party Management Guide</i>	Describes the Three Party session service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Time Based Services Management Guide</i>	Describes the Time-Based Services in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Toll Restriction Management Guide</i>	Describes how to achieve the Toll Restriction feature in the MTAS.	Descriptive, Operative





Table 9 Configuration Management

<b>Title</b>	<b>Description</b>	<b>Type</b>
<i>MTAS XDMS Management Guide</i>	Describes how to configure the XDMS function in the MTAS.	Descriptive, Operative
<i>MTAS Video Fallback to Audio Management Guide</i>	Describes the Video Fallback to Audio service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Voice Mail Management Guide</i>	Describes the Video Fallback to Audio service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>MTAS Wholesale Support Management Guide</i>	Describes the Wholesale service in the MTAS, and how to configure the service.	Descriptive, Operative
<i>Network AS Precondition IWF Management Guide</i>	Describes how to configure the Network Application Server (NW AS) Precondition IWF service in MTAS.	Descriptive, Operative
<i>Network AS Management Guide</i>	Describes how to configure the Communication Interworking Functionality (IWF) provided by the Network Application Server (NW AS) in MTAS.	Descriptive, Operative
<i>ST AS Communication Barring Service Management Guide</i>	Describes how to configure the ST AS barring service.	Descriptive, Operative
<i>ST AS Call Admission Control Management Guide</i>	Describes how to configure the ST AS call admission control service.	Descriptive, Operative
<i>ST AS Carrier Select Rn and Carrier Pre-Select Rn Management Guide</i>	Describes the ST AS carrier selection-related services and how to configure these services.	Descriptive, Operative
<i>ST AS Communication Diversion Management Guide</i>	Describes how to configure the ST AS communication diversion service.	Descriptive, Operative
<i>ST AS Identity Presentation Service Management Guide</i>	Describes how to configure the ST AS identity presentation service.	Descriptive, Operative
<i>ST AS Malicious Communication Identity Service Management Guide</i>	Describes the ST AS MCID service, and how to configure the service.	Descriptive, Operative
<i>ST AS Number Normalization Management Guide</i>	Describes the ST AS Number Normalization function.	Descriptive, Operative



### 2.5.3 Health Check

Table 10 Health Check

<i>MTAS Health Check</i>	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
<i>Performance Management</i>	Provides an overview of the management model and concepts associated with the Performance Management managed area.	Descriptive
<i>MTAS Performance Indicators</i>	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
<i>MTAS Signaling Traffic Performance Indicators</i>	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
<i>MTAS Scaling Management Guide</i>	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*

<b>Title</b>	<b>Description</b>	<b>Type</b>
<i>User Management</i>	Provides an overview of the management model and concepts associated with the Security Management managed area.	Descriptive
<i>MTAS Security Management Guide</i>	Describes the security functions implemented by MTAS	Descriptive
<b>Certificate Management</b>		
<i>Certificate Management</i>	Provides an overview of the management model and concepts associated with the Certificate Management managed area.	Descriptive

## 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*

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



Table 14 Software Management

Title	Description	Type
<b>Arwa Management</b>		
<i>Update Arwa Connection</i>	Describes how to connect to the Arwa solution through one of the available communications channels: RSG or HTTPS.	Descriptive, Operative

## 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
<i>Managed Object Model User Guide</i>	Describes the Managed Object Model (MOM) and how to use it.	Descriptive, Operative
<i>Managed Object Model (MOM)</i>	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
<i>Emergency Recovery Procedure for MTAS</i>	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
<i>ACR Storage in MTAS</i>	Detailed information regarding the ACR storage interface.	Descriptive
<i>Diameter Communication Details in MTAS</i>	Detailed information regarding the Diameter-based Communication Details protocol used by the MTAS.	Descriptive
<i>Diameter Offline Charging in MTAS</i>	Detailed information regarding the Diameter offline charging and used interfaces.	Descriptive
<i>Diameter Online Charging in MTAS</i>	Detailed information regarding the Diameter online charging and used interfaces.	Descriptive
<i>Ericsson Command-Line Interface</i>	Describes the ECLI, including descriptions of all commands, key combinations, error messages, character support, and examples.	Descriptive, Reference
<i>Ericsson NETCONF Interface</i>	Describes the Ericsson Network Configuration (NETCONF) interface, including standard compliance, NETCONF operations, and examples.	Descriptive, Reference
<i>LDAP-Based Authentication and Authorization Interface</i>	Describes the Lightweight Directory Access Protocol (LDAP) authentication and authorization interface.	Descriptive, Reference
<i>MTAS CAP Support</i>	Detailed information regarding the CAP v2 when the MTAS acts as a SSF.	Descriptive
<i>MTAS, Communication Details, 3GPP R7 XML</i>	Defines the proprietary interface used between MTAS and a CDS to enable the transfer of information about communication sessions required for certain supplementary services.	Descriptive
<i>MTAS Fault Codes Catalogue</i>	Describes the fault codes that are generated by the MTAS.	Descriptive
<i>MTAS H.248 Support</i>	Detailed information regarding H.248 protocol support in the MTAS.	Descriptive
<i>MTAS Interface to CAT-S (CAT)</i>	Detailed information regarding the CAT-S interaction with the MTAS.	Descriptive
<i>MTAS Interface to CSCF (ISC, Ma, Pw)</i>	Detailed information regarding the ISC, Ma, and Pw interfaces.	Descriptive
<i>MTAS Interface to MRF (Mr)</i>	Detailed information regarding the Mr interface.	Descriptive

Table 17 Interface

Title	Description	Type
<i>MTAS, Offline Charging, version 1</i>	An XML specification of the MTAS Rf Diameter release 7 interface.	Descriptive
<i>MTAS, Offline Charging, version 2</i>	An XML specification of the MTAS Rf version 9 (based on 3GPP release 9).	Descriptive
<i>MTAS, Offline Charging, version 3</i>	An XML specification of the MTAS Rf version 9 (based on 3GPP release 9).	Descriptive
<i>MTAS, Online Charging, version 1</i>	An XML specification of the MTAS Ro Diameter interface.	Descriptive
<i>MTAS, Online Charging, version 2</i>	An XML specification of the MTAS Ro Diameter interface.	Descriptive
<i>MTAS, Online Charging, version 3</i>	An XML specification of the MTAS Ro Diameter interface.	Descriptive
<i>NameDb</i>	Detailed information regarding the NameDb interface.	Descriptive
<i>Parlay X in MMTel</i>	Detailed information regarding the Parlay X interaction with MMTel.	Descriptive
<i>Parlay X MMTel Extensions</i>	Detailed information regarding the Parlay X interface.	Descriptive
<i>Performance Management Report File Format</i>	Describes the 3GPP® compliant Performance Management (PM) XML file format supported in the PM interfaces.	Descriptive, Reference
<i>Sh/Dh Interface</i>	Detailed information regarding the Sh/Dh interface.	Descriptive
<b>Events</b>		
<i>HeartBeat</i>	Describes event <code>HeartBeat</code> and how to handle it.	Descriptive, Operative
<i>AlarmListRebuilt</i>	Describes event <code>AlarmListRebuilt</code> and how to handle it.	Descriptive, Operative
<b>MTAS Notifications</b>		
<i>MtasJc, ICBS Data Not Found</i>	Describes the <code>MtasJc, ICBS Data Not Found</code> event.	Descriptive, Operative