

MTAS Licenses

MTAS

DESCRIPTION

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1 Introduction

This document describes the virtual MTAS licenses. These licenses are required when providing certain services in the network.

1.1 Prerequisites

This section describes the prerequisites that must be fulfilled:

- The user is familiar with the Operation and Maintenance (O&M) area in general.
- NeLS server is installed with valid licenses.

1.2 Documents

Ensure that the following document has been read, understood, and is accessible:

- *License Management*





2 Overview

A license is defined at ordering of a product and is available in trial or commercial versions. A trial license is time-limited as opposed to the commercial license that has no limit in time.





3 Handle Licenses

3.1 Configure MTAS NeLS Connection

Ensure that MTAS is connected to the NeLS.

To configure the connection of MTAS towards the NeLS server, refer to *Configure Connection to NeLS* and *Configure SSL Connection to NeLS*.

3.2 View License Information

To view license information, refer to *View License Information*.





4 MTAS Licenses

This section contains information about the licenses for the MTAS services.

Note: The licenses in MTAS are divided into Base/Value pack. A set of related features are bundled in Base/Value packs.

The different Base/Value packs for the MTAS deployment are listed in Table 1 through Table 4.

Table 1 Base Pack Licenses

Base Pack Licenses	AS Type	CXC Number
MMTel AS Voice Base	MMTel AS	CXC4012143
Service Continuity AS Base	SCC AS	CXC4012152
Business Line Voice Base	MMTel AS	CXC4012166
SIP Trunking AS Base	ST AS	CXC4012189
Communication Interworking Function NW AS Base	Communication IWF AS	CXC4012190

Table 2 Value Pack Licenses MMTel AS

Value Pack Licenses MMTel AS	As Type	CXC Number
Legacy IN Reuse	MMTel AS	CXC4012145
Location Services Support	MMTel AS	CXC4012146
Multi Device	MMTel AS	CXC4012147
Multimedia	MMTel AS	CXC4012148
Service Exposure	MMTel AS	CXC4012149
WiFi Calling MMTel	MMTel AS	CXC4012150
ComStateExposure	MMTel AS	CXC4012151

Table 3 Value Pack Business Line Licenses in MMTel AS

Value Pack Business Line Licenses in MMTel AS	As Type	CXC Number
BL Multimedia	MMTel AS	CXC4012167



Value Pack Business Line Licenses in MMTel AS	As Type	CXC Number
BL Service Exposure	MMTel AS	CXC4012169
BL UC ReRouting	MMTel AS	CXC4012170
BL Legacy IN Reuse	MMTel AS	CXC4012171
BL Location Services Support	MMTel AS	CXC4012174
BL Adhoc Group Call	MMTel AS	CXC4012175

Table 4 Value Pack Licenses for SCC AS

Value Pack Licenses for SCC AS	AS Type	CXC Number
SRVCC	SCC AS	CXC4012153
WiFi Calling	SCC AS	CXC4012154

4.1 BL Adhoc Group Call

Name	vMtasBLAdHocGroupCall
Number	CXC4012175
Type	Feature On/Off
License Aspect	<p>The vMtasBLAdHocGroupCall license is used to allow conferences with 4 or more participants, including the conference creator.</p> <p>A valid license means that it is allowed to create business conferences with 4 or more participants, including the conference creator.</p> <p>An invalid license implies that a business conference with more than 3 participants is not allowed.</p>
Features in vMtasBLAdHocGroupCall	-

4.2 BL Legacy IN Reuse

Name	vMtasBLLegacyINReuse
Number	CXC4012171



Type	Feature On/Off
License Aspect	The BL Legacy IN Reuse services are subject to the vMtasBLLegacyINReuse license. The alarm <i>MtasLicenses, MMTel BL Legacy IN Reuse License Absent</i> of severity Major is raised if attribute mtasSsfCapV2AdministrativeState is unlocked and MMTel-AS is configured to serve business line users; and the BL Legacy IN Reuse License is not granted (missing/expired/invalid).
Features in vMtasBLLegacyINReuse	CAPv2 SSF GSM Compatible SSF

4.3 BL Location Services Support

Name	vMtasBLLocationServicesSupport
Number	CXC4012174
Type	Feature On/Off
License Aspect	The BL Location Service Support services are subject to the vMtasBLLocationServicesSupport license. The alarm <i>MtasLicenses, MMTel BL Location Services License Absent</i> of severity Major is raised if attribute mtasDnmAdministrativeState is unlocked and MMTel-AS is configured to serve business line users; and the BL Location Services Support License is not granted (missing/expired/invalid).
Features in vMtasBLLocationServicesSupport	Location Based Number Translation

4.4 BL Multimedia

Name	vMtasBLMultiMedia
Number	CXC4012167



Type	Feature On/Off
License Aspect	BL Multimedia services are subject to the <code>vMtasBLMultimedia</code> license. The alarm <i>MtasLicenses, MMTel BL Multimedia License Absent</i> of severity Major is raised if attribute <code>mtasVideoFBAdministrativeState</code> is unlocked and MMTel-AS is configured to serve business line users; and the BL Multimedia License is not granted (missing/expired/invalid).
Features in <code>vMtasMultiMedia</code>	Add/Drop Media File Sharing Text Chat Video Communication Video Fallback to Audio

4.5 BL Service Exposure

Name	<code>vMtasBLServiceExposure</code>
Number	CXC4012169
Type	Feature On/Off
License Aspect	The BL Service Exposure services are subject to the <code>vMtasBLServiceExposure</code> license. The alarm <i>MtasLicenses, MMTel BL Service Exposure License Absent</i> of severity Major is raised if attribute <code>mtasFsfAdministrativeState</code> or <code>mtasMmtPxAdministrativeState</code> is unlocked and MMTel-AS is configured to serve business line users; and the BL Service Exposure License is not granted (missing/expired/invalid).
Features in <code>vMtasBLServiceExposure</code>	Flexible Service Format Selection Parlay-X



4.6 BL UC ReRouting

Name	vMtasBLUCReRouting
Number	CXC4012170
Type	Feature On/Off
License Aspect	<p>The BL UC Routing Service execution is subject to the vMtasBLUCReRouting license.</p> <p>The alarm <i>MtasLicenses, UC Routing License Absent</i> of severity Major is raised if attribute <code>mtasUCRoutingAdministrativeState</code> is unlocked and MMTel-AS is configured to serve business line users, and the BL UC ReRouting License is not granted (missing/expired/invalid).</p>
Features in vMtasBLUCReRouting	Unified Communication Routing Service

4.7 BL Voice Base

Name	vMtasBLVoiceBase
Number	CXC4012166
Type	Feature On/Off
License Aspect	<p>The BL Voice Base services are subject to the vMtasBLVoiceBase license.</p> <p>The alarm <i>MtasMmt, BL Voice Base License Absent</i> of severity Critical is raised if attribute <code>mtasMmtAdministrativeState</code> is unlocked and MMTel is configured to serve business line users (attribute <code>mtasMmtServedSubscriberType</code> is set to BUSINESS or BUSINESS_AND_CONSUMER); and the BL Voice Base license is not granted (missing/expired/invalid).</p>



Features in vMtasBLVoiceBase

Abbreviated Dialing
Address Policing
Advice of Charge
Anonymous Communication Rejection
Basic Barring
Basic Voice Communication
Call Admission Control
Call Return
Calling Party Category
Carrier Pre-Select
Carrier Select
Closed User Group
Communication Completion Services
Communication Deflection
Communication Diversion - Operator
Blacklist
Communication Diversion - to Voice
Mail
Communication Diversion Notification
- Caller
Communication Diversion Notification
Communication Diversion Notification
- Served-user



Communication Diversion Rule Based
Communication Forwarding - Busy
Communication Forwarding - No Reply
Communication Forwarding -
Unconditional
Communication Name Identity
Presentation
Communication Waiting
Customized Alerting Tone
Dial Tone Management
Distinctive Ring
Dynamic Black List
Explicit Communication Transfer
Flexible AVP
Flexible Identity Presentation
Gateway Model
Generic Announcement
Hold Communication
Hotline
Incoming Communication Barring Rule
Based
International and National Toll
Restriction
Japanese Charging
Malicious Communication
Identification
Malicious Communication Rejection



Mr-interface
Multiple Languages Support
Multiple Subscriber Number
Network Announcement
Network Provided Ringback Tone
Number Normalisation
Number Portability
Number Translation
Offline Charging
Online Charging
Operator Anonymous Communication Rejection
Operator Black Lists
Operator White Lists
Originating Identity Presentation
Originating Identity Restriction
Outgoing Communication Barring Rule Based
Precondition
Priority Call Reminder
Self-Administration via Service Codes
Self-Administration via Ut-interface
Service Profile
Short Number Dialing
Subscriber Credit Notification
Support for IPv6
Terminating Identity Presentation
Terminating Identity Restriction
Three Party Call
Time Zone Handling
Wholesale



4.8 Communication Interworking Function NW AS Base

Name	vMtasNWCommIwfBase
Number	CXC4012190
Type	Feature On/Off
License Aspect	The Communication Interworking Function NW AS Base services are subject to the vMtasNWCommIwfBase license. The alarm <i>MtasLicenses, Communication Interworking Function NW AS Base License Absent</i> of severity Critical is raised if attribute <i>mtasNwAdministrativeState</i> is unlocked and a valid Communication Interworking Function NW AS Base license is not granted (missing/expired/invalid).
Features in vMtasNWCommIwfBase	Precondition IWF

4.9 ComStateExposure

Name	vMtasComStateExposure
Number	CXC4012151
Type	Feature On/Off
License Aspect	The ComStateExposure service is subject to the vMtasComStateExposure license.
Features in vMtasComStateExposure	Dialog Event Notification

4.10 Legacy IN Reuse

Name	vMtasLegacyINReuse
Number	CXC4012145
Type	Feature On/Off



License Aspect	<p>The Legacy IN Reuse services are subject to the <code>vMtasLegacyINReuse</code> license.</p> <p>The alarm <i>MtasLicenses, MMTel Legacy IN Reuse License Absent</i> of severity Major is raised if attribute <code>mtasCsiAdministrativeState</code>, <code>mtasNccAdministrativeState</code>, or <code>mtasSsfCapV2AdministrativeState</code> is unlocked and a Legacy IN Reuse License is not granted (missing/expired/invalid).</p>
Features in <code>vMtasLegacyINReuse</code>	<p>CAPv2 SSF</p> <p>GSM Compatible SSF</p>

4.11 Location Services Support

Name	<code>vMtasLocationServicesSupport</code>
Number	CXC4012146
Type	Feature On/Off
License Aspect	<p>The Location Service Support services are subject to the <code>vMtasLocationServicesSupport</code> license.</p> <p>The alarm <i>MtasLicenses, MMTel Location Services License Absent</i> of severity Major is raised if attribute <code>mtasDnmAdministrativeState</code> is unlocked and a Location Services Support License is not granted (missing/expired/invalid).</p>
Features in <code>vMtasLocationServicesSupport</code>	<p>Location Based Number Translation</p>

4.12 MMTel AS Voice Base

Name	<code>vMtasMMTelVoiceBase</code>
Number	CXC4012143
Type	Feature On/Off



License Aspect

The MMTel AS Voice Base services are subject to vMtasMMTelVoiceBase license.

The alarm *MtasMmt*, *MMTel Voice Base License Absent* of severity Critical is raised if attribute *mtasMmtAdministrativeState* is unlocked and a valid MMTel AS Voice Base license is not granted (missing/expired/invalid).

Features in vMtasMMTelVoiceBase

Abbreviated Dialing

Address Policing

Advice of Charge

Anonymous Communication Rejection

Basic Barring

Basic Voice Communication

Call Admission Control

Call Return

Calling Party Category

Carrier Pre-Select

Carrier Select

Closed User Group

Communication Completion Services

Communication Deflection

Communication Diversion - Operator Blacklist

Communication Diversion - to Voice Mail

Communication Diversion Notification - Caller

Communication Diversion Notification

Communication Diversion Notification - Served-user



Communication Diversion Rule Based
Communication Forwarding - Busy
Communication Forwarding - No Reply
Communication Forwarding -
Unconditional
Communication Name Identity
Presentation
Communication Waiting
Customized Alerting Tone
Dial Tone Management
Distinctive Ring
Dynamic Black List
Explicit Communication Transfer
Flexible AVP
Flexible Identity Presentation
Gateway Model
Generic Announcement
Hold Communication
Hotline
Incoming Communication Barring Rule
Based
International and National Toll
Restriction
Japanese Charging
Malicious Communication
Identification
Malicious Communication Rejection



Mr-interface
Multiple Languages Support
Multiple Subscriber Number
Network Announcement
Network Provided Ringback Tone
Number Normalisation
Number Portability
Number Translation
Offline Charging
Online Charging
Operator Anonymous Communication Rejection
Operator Black Lists
Operator White Lists
Originating Identity Presentation
Originating Identity Restriction
Outgoing Communication Barring Rule Based
Precondition
Priority Call Reminder
Self-Administration via Service Codes
Self-Administration via Ut-interface
Service Profile
Short Number Dialing
Subscriber Credit Notification
Support for IPv6
Terminating Identity Presentation
Terminating Identity Restriction
Three Party Call
Time Zone Handling
Wholesale



4.13 Multi-Device

Name	vMtasMultiDevice
Number	CXC4012147
Type	Feature On/Off
License Aspect	<p>The Multi-Device services are subject to the vMtasMultiDevice license.</p> <p>The alarm <i>MtasLicenses, MMTel Multi Device License Absent</i> of severity Major is raised if attribute <code>mtasMmtAscfAdministrativeState</code>, <code>mtasMmtFcdAdministrativeState</code>, or <code>mtasMmtStodAdministrativeState</code> is unlocked and a Multi-Device License is not granted (missing/expired/invalid).</p>
Features in vMtasMultiDevice	<p>AS Controlled Forking</p> <p>Flexible Communication Distribution</p> <p>Session Transfer to Own Device</p>

4.14 Multimedia

Name	vMtasMultimedia
Number	CXC4012148
Type	Feature On/Off
License Aspect	<p>Multimedia services are subject to the vMtasMultimedia license.</p> <p>The alarm <i>MtasLicenses, MMTel Multimedia License Absent</i> of severity Major is raised if attribute <code>mtasVideoFBAdministrativeState</code> is unlocked and a Multimedia License is not granted (missing/expired/invalid).</p>
Features in vMtasMultiDevice	<p>Add/Drop Media</p> <p>File Sharing</p> <p>Text Chat</p> <p>Video Communication</p> <p>Video Fallback to Audio</p>



4.15 Service Continuity AS Base

Name	vMtasSccBase
Number	CXC4012152
Type	Feature On/Off
License Aspect	The Service Continuity AS Base services are subject to the vMtasSccBase license. The alarm <i>MtasLicenses, Scc Base License Absent</i> of severity Critical is raised if attribute mtasSccAdministrativeState is unlocked and a valid Service Continuity AS Base Pack License is not granted (missing/expired/invalid).
Features in vMtasSccBase	Service Centralization and Continuity Application Server Service Domain Selection Terminating Access Domain Selection HSS Bypass

4.16 Service Exposure

Name	vMtasServiceExposure
Number	CXC4012149
Type	Feature On/Off
License Aspect	The Service Exposure services are subject to the vMtasServiceExposure license. The alarm <i>MtasLicenses, MMTel Service Exposure License Absent</i> of severity Major is raised if attribute mtasFsfAdministrativeState or mtasPxCallNotificationAdministrativeState is unlocked, and a Service Exposure License is not granted (missing/expired/invalid).
Features in vMtasServiceExposure	Flexible Service Format Selection Parlay-X



4.17 SIP Trunking AS Base

Name	vMtasSTBase
Number	CXC4012189
Type	Feature On/Off
License Aspect	<p>The SIP Trunking AS Base services are subject to the vMtasSTBase license.</p> <p>The alarm <i>MtasLicenses, SIP Trunking AS Base License Absent</i> of severity Critical is raised if attribute <code>mtasStAdministrativeState</code> is unlocked and a valid SIP Trunking AS Base Pack license is not granted (missing/expired/invalid).</p>
Features in vMtasSTBase	<p>Call Admission Control</p> <p>Carrier Select</p> <p>Carrier Pre-Select</p> <p>Number Normalization</p> <p>Communication Barring</p> <p>Communication Diversion</p> <p>Identity Presentation</p> <p>MCID</p> <p>Offline Charging</p>

4.18 SRVCC

Name	vMtasSrvcc
Number	CXC4012153
Type	Feature On/Off



License Aspect

The SRVCC service is subject to the vMtasSrvcc license.

The alarm *MtasSrvcc, Single Radio Voice Call Continuity License Absent* of severity Major is raised if attribute *mtasSrvccAdministrativeState* is unlocked and a valid Service Continuity AS Base Pack License is not granted (missing/expired/invalid).

Features in vMtasSrvcc

SRVCC

4.19 Wi-Fi Calling MMTel

Name

vMtasWiFiCallingMMTel

Number

CXC4012150

Type

Feature On/Off

License Aspect

The MMTel Wi-Fi Calling license is subject to the vMtasWiFiCallingMMTel license.

Features in vMtasWiFiCallingMMTel

WiFi Calling MMTel

4.20 Wi-Fi Calling

Name

vMtasWiFiCalling

Number

CXC4012154

Type

Feature On/Off

License Aspect

The Wi-Fi Calling service is subject to the vMtasWiFiCalling license.

The alarm *MtasScc, WiFi Calling License Absent* of severity Major is raised if attribute *mtasTadsWifiAccessSupport* is unlocked and a valid Wi-Fi Calling License is not granted (missing/expired/invalid).

Features in vMtasWiFiCalling

Wi-Fi Calling