

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 AS Base	MMTel AS	CXC4012166
SIP Trunking AS Base	ST AS	CXC4012234
Communication Interworking Function NW AS Base	Communication IWF AS	CXC4012235

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
Lawful Interception	MMTel AS	CXC4012168
Multi Sim	MMTel AS	CXC4012191



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
BL Service Exposure	MMTel AS	CXC4012169
BL UC/PBX ReRouting	MMTel AS	CXC4012170
BL Legacy IN Reuse	MMTel AS	CXC4012171
BL WiFi Calling	MMTel AS	CXC4012173
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 MtasLicenses, BL Legacy IN Reuse License Absent 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 MtasLicenses, BL Location Services License Absent 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 vMtasBLLocationServices Support	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 vMtasBLMultimedia license. The alarm MtasLicenses, BL Multimedia License Absent of severity Major is raised if attribute mtasVideoFBAAdministrativeState 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 vMtasMultiMedia	Add/Drop Media File Sharing Text Chat Video Communication Video Fallback to Audio

4.5 BL Service Exposure

Name	vMtasBLServiceExposure
Number	CXC4012169
Type	Feature On/Off



License Aspect

The BL Service Exposure services are subject to the vMtasBLServiceExposure license.

The alarm MtasLicenses, BL Service Exposure License Absent of severity Major is raised if attribute mtasFsfAdministrativeState or mtasMmtPxAdministrativeState 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 vMtasBLServiceExposure

Flexible Service Format Selection
Parlay-X

4.6 BL UC/PBX ReRouting

Name

vMtasBLUCReRouting

Number

CXC4012170

Type

Feature On/Off

License Aspect

The BL UC Routing Service execution is subject to the vMtasBLUCReRouting license.

The alarm MtasLicenses, BL UC/PBX ReRouting License Absent of severity Major is raised if attribute mtasUCRoutingAdministrativeState is unlocked and MMTel-AS is configured to serve business line users, and the BL UC ReRouting License is not granted (missing/expired/invalid).

Features in vMtasBLUCReRouting

Unified Communication Routing Service

4.7 BL WiFi Calling

Name

vMtasBLWiFiCalling

Number

CXC4012173

Type

Feature On/Off



License Aspect

The BL WiFi Calling Support is subject to the vMtasBLWiFiCalling license.

A valid license means that WiFi Calling Support is enabled for Business Line users.

Features in vMtasBLWiFiCalling

-

4.8

Business Line AS Base

Name

vMtasBLVoiceBase

Number

CXC4012166

Type

Feature On/Off

License Aspect

The BL Voice Base services are subject to the vMtasBLVoiceBase license.

The alarm `MtasMmt, Business Line AS Base License Absent` of severity `Critical` is raised if attribute `mtasMmtAdministrativeState` is `unlocked` and `MMTel` is configured to serve business line users (attribute `mtasMmtServedSubscriberType` is set to `BUSINESS` or `BUSINESS_AND_CONSUMER`); and the BL Voice Base license is not granted (`missing/expired/invalid`).



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



4.9 Communication Interworking Function NW AS Base

Name	vMtasNWCommIwfBaseCapacity
Number	CXC4012235
Type	Capacity
License Aspect	The Communication Interworking Function NW AS Base services are subject to the vMtasNWCommIwfBaseCapacity license. The alarm MtasLicenses, Communication Interworking Function NW AS Base License Absent of severity Critical is raised if attribute mtasNwAdministrativeState is unlocked and a valid Communication Interworking Function NW AS Base license is not granted (missing/expired/invalid).
Features in vMtasNWCommIwfBaseCapacity	Precondition IWF

4.10 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

4.11 Lawful Interception

Name	vMtasLI
Number	CXC4012168
Type	Feature On/Off
License Aspect	The Lawful Interception (LI) services are subject to the vMtasLI license. No alarm is raised for LI license problems.
Features in vMtasLI	Lawful Interception



4.12 Legacy IN Reuse

Name	vMtasLegacyINReuse
Number	CXC4012145
Type	Feature On/Off
License Aspect	The Legacy IN Reuse services are subject to the vMtasLegacyINReuse license. The alarm <code>MtasLicenses, MMTel Legacy IN Reuse License Absent</code> 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).
Features in vMtasLegacyINReuse	CAPv2 SSF GSM Compatible SSF

4.13 Location Services Support

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



4.14 MMTel AS Voice Base

Name	vMtasMMTelVoiceBase
Number	CXC4012143
Type	Feature On/Off
License Aspect	<p>The MMTel AS Voice Base services are subject to vMtasMMTelVoiceBase license.</p> <p>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).</p>



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



4.15 Multi-Device

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

4.16 Multimedia

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



4.17 Multi Sim

Name	vMtasMultiSim
Number	CXC4012191
Type	Feature On/Off
License Aspect	The multi sim functionality is subject to the vMtasMultiSim license. The alarm MtasLicenses, Multi Sim License Absent of severity Major is raised if attribute mtasMmtMultiMobileSupport is set to ALL_MOBILE_SUBSCRIPTIONS_ACTIVE and a valid Multi Sim License is not granted (missing/expired/invalid).
Features in vMtasMultiSim	Multi Sim

4.18 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 MtasLicenses, Scc Base License Absent 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



4.19 Service Exposure

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

4.20 SIP Trunking AS Base

Name	vMtasSTBaseCapacity
Number	CXC4012234
Type	Capacity



License Aspect	<p>The SIP Trunking AS Base services are subject to the vMtasSTBaseCapacity license.</p> <p>The alarm MtasLicenses, SIP Trunking AS Base License Absent of severity Critical is raised if attribute mtasStAdministrativeState is unlocked and a valid SIP Trunking AS Base Pack license is not granted (missing/expired/invalid).</p>
Features in vMtasSTBaseCapacity	<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>

4.21

SRVCC

Name	vMtasSrvcc
Number	CXC4012153
Type	Feature On/Off
License Aspect	<p>The SRVCC service is subject to the vMtasSrvcc license.</p> <p>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).</p>
Features in vMtasSrvcc	SRVCC



4.22 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

4.23 Wi-Fi Calling

Name	vMtasWiFiCalling
Number	CXC4012154
Type	Feature On/Off
License Aspect	<p>The Wi-Fi Calling service is subject to the vMtasWiFiCalling license.</p> <p>The alarm <code>MtasScc, WiFi Calling License Absent of severity Major</code> is raised if attribute <code>mtasTadsWifiAccessSupport</code> is unlocked and a valid Wi-Fi Calling License is not granted (missing/expired/invalid).</p>
Features in vMtasWiFiCalling	Wi-Fi Calling