

# MTAS Licenses

## MTAS

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### DESCRIPTION

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# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Prerequisites	1
1.2	Documents	1
<b>2</b>	<b>Overview</b>	<b>3</b>
<b>3</b>	<b>Handle Licenses</b>	<b>5</b>
3.1	Configure MTAS NeLS Connection	5
3.2	View License Information	5
<b>4</b>	<b>MTAS Licenses</b>	<b>7</b>
4.1	BL Adhoc Group Call	8
4.2	BL Legacy IN Reuse	9
4.3	BL Location Services Support	9
4.4	BL Multimedia	10
4.5	BL Service Exposure	10
4.6	BL UC/PBX ReRouting	11
4.7	Business Line AS Base	11
4.8	Communication Interworking Function NW AS Base	16
4.9	ComStateExposure	16
4.10	Lawful Interception	16
4.11	Legacy IN Reuse	17
4.12	Location Services Support	17
4.13	MMTel AS Voice Base	18
4.14	Multi-Device	22
4.15	Multimedia	22
4.16	Multi Sim	23
4.17	Service Continuity AS Base	23
4.18	Service Exposure	24
4.19	SIP Trunking AS Base	24
4.20	SRVCC	25
4.21	Wi-Fi Calling MMTel	26
4.22	Wi-Fi Calling	26





# 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*

<b>Value Pack Business Line Licenses in MMTel AS</b>	<b>As Type</b>	<b>CXC Number</b>
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 Location Services Support	MMTel AS	CXC4012174
BL Adhoc Group Call	MMTel AS	CXC4012175

*Table 4 Value Pack Licenses for SCC AS*

<b>Value Pack Licenses for SCC AS</b>	<b>AS Type</b>	<b>CXC Number</b>
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 The vMtasBLAdHocGroupCall license is used to allow conferences with 4 or more participants, including the conference creator.

A valid license means that it is allowed to create business conferences with 4 or more participants, including the conference creator.

An invalid license implies that a business conference with more than 3 participants is not allowed.

Features in vMtasBLAdHocGroupCall -



## 4.2 BL Legacy IN Reuse

Name	vMtasBLLegacyINReuse
Number	CXC4012171
Type	Feature On/Off
License Aspect	<p>The BL Legacy IN Reuse services are subject to the vMtasBLLegacyINReuse license.</p> <p>The alarm <i>MtasLicenses, BL Legacy IN Reuse License Absent</i> of severity Major is raised if attribute <code>mtasSsfCapV2AdministrativeState</code> 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).</p>
Features in vMtasBLLegacyINReuse	<p>CAPv2 SSF</p> <p>GSM Compatible SSF</p>

## 4.3 BL Location Services Support

Name	vMtasBLLocationServicesSupport
Number	CXC4012174
Type	Feature On/Off
License Aspect	<p>The BL Location Service Support services are subject to the vMtasBLLocationServicesSupport license.</p> <p>The alarm <i>MtasLicenses, BL Location Services License Absent</i> of severity Major is raised if attribute <code>mtasDnmAdministrativeState</code> 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).</p>
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 vMtasBLMultimedia license.  The alarm <i>MtasLicenses, 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 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 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



## 4.8 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 <i>MtasLicenses, Communication Interworking Function NW AS Base License Absent</i> 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 vMtasNWCommIwfBase Capacity	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 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

## 4.11 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 *MtasLicenses, MMTel Legacy IN Reuse License Absent* of severity Major is raised if attribute `mtasCsiAdministrativeState`, `mtasNccAdministrativeState`, or `mtasSsfCapV2AdministrativeState` is unlocked and a Legacy IN Reuse License is not granted (missing/expired/invalid).

Features in `vMtasLegacyINReuse`

CAPv2 SSF

GSM Compatible SSF

## 4.12 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 *MtasLicenses*, *MMTel Location Services License Absent* of severity Major is raised if attribute `mtasDnmAdministrativeState` is unlocked and a Location Services Support License is not granted (missing/expired/invalid).

Features in `vMtasLocationServicesSupport`

Location Based Number Translation

## 4.13 MMTel AS Voice Base

Name

`vMtasMMTelVoiceBase`

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



## 4.14 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>

## 4.15 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>



## 4.16 Multi Sim

Name	vMtasMultiSim
Number	CXC4012191
Type	Feature On/Off
License Aspect	The multi sim functionality is subject to the vMtasMultiSim license.  The alarm <i>MtasLicenses, Multi Sim License Absent</i> 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

## 4.17 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



## 4.18 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 <i>MtasLicenses, MMTel Service Exposure License Absent</i> of severity Major is raised if attribute <i>mtasFsfAdministrativeState</i> or <i>mtasPxCallNotificationAdministrativeState</i> 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>

## 4.19 SIP Trunking AS Base

Name	vMtasSTBaseCapacity
Number	CXC4012234
Type	Capacity



## License Aspect

The SIP Trunking AS Base services are subject to the `vMtasSTBaseCapacity` license.

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).

Features in `vMtasSTBaseCapacity`

Call Admission Control

Carrier Select

Carrier Pre-Select

Number Normalization

Communication Barring

Communication Diversion

Identity Presentation

MCID

Offline Charging

## 4.20

## 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



## 4.21 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

## 4.22 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 <i>MtasScc, WiFi Calling License Absent</i> of severity Major 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