

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
		CXC4012144
		CXC4012145
		CXC4012146
		CXC4012149
Service Continuity AS Base	SCC AS	CXC4012152
Business Line AS Base	BL AS	CXC4012166
		CXC4012169
		CXC4012171
		CXC4012174
		CXC4012175
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
Multi Device	MMTel AS	CXC4012147
		CXC4012151
Multimedia	MMTel AS	CXC4012148
WiFi Calling MMTel	MMTel AS	CXC4012150



Value Pack Licenses MMTel AS	As Type	CXC Number
Lawful Interception	MMTel AS	CXC4012168
Multi Sim	MMTel AS	CXC4012191
Multi Persona	MMTel AS	CXC4012309

Table 3 Value Pack Business Line Licenses in BL AS

Value Pack Business Line Licenses in MMTel AS	As Type	CXC Number
BL Multimedia	BL AS	CXC4012167
BL UC/PBX ReRouting	BL AS	CXC4012170
BL WiFi Calling	BL AS	CXC4012173

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 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 `mtasVideoFBAdministrativeState` 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

4.2 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

4.3 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

-

4.4

Business Line AS Base

Name

vMtasBLVoiceBase

Number

CXC4012166

CXC4012169

CXC4012171

CXC4012174

CXC4012175

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 CXC4012166 is not granted (missing/expired/invalid).

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 License CXC4012169 is not granted (missing/expired/invalid).

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 License CXC4012171 is not granted (missing/expired/invalid) .

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 theLicense CXC4012174is not granted (missing/expired/invalid).



Features in vMtasBLVoiceBase

Abbreviated Dialing
Ad-hoc Conference
Address Policing
Advice of Charge
Anonymous Communication Rejection
Basic Barring
Basic Voice Communication
Call Admission Control
Call Return
Calling Party Category
CAPv2 SSF
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
Flexible Service Format Selection
Gateway Model
Generic Announcement
GSM Compatible SSF
Hold Communication
Hotline
Incoming Communication Barring Rule
Based
International and National Toll
Restriction
Japanese Charging
Location Based Number Translation
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
Parlay-X
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



4.5 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

4.6 Forking Interworking Function (IWF)

Name	vMtasForkingIwf
Number	CXC4012293
Type	Feature On/Off
License aspect	The Forking Interworking Function (IWF) services are subject to the vMtasForkingIwf license. The alarm MtasLicenses, Forking IWF License Absent of severity Major is raised if attribute mtasFoIwAdministrativeState is set to unlocked and a valid Forking Interworking Function (IWF) license is not granted (missing/expired/invalid).
Features in vMtasForkingIwf	Forking IWF



4.7 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

4.8 MMTel AS Voice Base

Name	vMtasMMTelVoiceBase
Number	CXC4012143
	CXC4012144
	CXC4012145
	CXC4012146
	CXC4012149
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 CXC4012143 is not granted (missing/expired/invalid).

The alarm MtasLicenses, MMTel Legacy IN Reuse License Absent of severity Major is raised if attribute mtasCsiAdministrativeState, mtasNccAdministrativeState, or mtasSsfCapV2AdministrativeState is unlocked and the License CXC4012145 is not granted (missing/expired/invalid).

The alarm MtasLicenses, MMTel Location Services License Absent of severity Major is raised if attribute mtasDnmAdministrativeState is unlocked and the license CXC4012146 is not granted (missing/expired/invalid).

The alarm MtasLicenses, MMTel Service Exposure License Absent of severity Major is raised if attribute mtasFsfAdministrativeState or mtasPxCallNotificationAdministrativeState is unlocked, and the LicenseCXC4012149 is not granted (missing/expired/invalid).



Features in vMtasMMTelVoiceBase

Abbreviated Dialing
Ad-hoc Conference
Address Policing
Advice of Charge
Anonymous Communication Rejection
Basic Barring
Basic Voice Communication
Call Admission Control
Call Return
Calling Party Category
CAPv2 SSF
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
Flexible Service Format Selection
Gateway Model
Generic Announcement
GSM Compatible SSF
Hold Communication
Hotline
Incoming Communication Barring Rule
Based
International and National Toll
Restriction
Japanese Charging
Location Based Number Translation
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
Parlay-X
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 Multi-Device

Name	vMtasMultiDevice
Number	CXC4012147
	CXC4012151
Type	Feature On/Off
License Aspect	The Multi-Device services are subject to the vMtasMultiDevice license.
	The alarm MtasLicenses, MMTel Multi Device License Absent of severity Major is raised if attribute mtasMmtAscfAdministrativeState, mtasFcdAdministrativeState, or mtasStodAdministrativeState is unlocked and a Multi-Device License is not granted (missing/expired/invalid).
Features in vMtasMultiDevice	AS Controlled Forking
	Dialog Event Notification
	Flexible Communication Distribution
	Session Transfer to Own Device

4.10 Multimedia

Name	vMtasMultimedia
Number	CXC4012148
Type	Feature On/Off



License Aspect

Multimedia services are subject to the vMtasMultimedia license.

The alarm MtasLicenses, MMTel Multimedia License Absent of severity Major is raised if attribute mtasVideoFBAdministrativeState 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

4.11 Multi Persona

Name

vMtasMultiPersona

Number

CXC4012309

Type

Feature On/Off

License aspect

Multimedia services are subject to the vMtasMultiPersona license. The alarm MtasLicenses, MMTel Multi Persona License Absent of severity Major is raised if mtasMultiPersonaAdministrativeState and mtasMultiPersonaEnhancement attributes are enabled and a Multi Persona License is not granted (missing/expired/invalid).

Features in vMtasMultiPersona

Multi Persona

4.12 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

4.13 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

4.14 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

4.15

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



4.16 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

4.17 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</code> of severity <code>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