

Parameter Description for Provisioning MTAS MOCs

MTAS

PARAMETER DESCRIPTION

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1 Introduction

This document describes the Managed Object Model (MOM) of the MTAS regarding provisioning MOs. Provisioning-related MOs are not accessible using the COM NBI, so LDAP is to be used for CM instead. Refer to [vDicos Provisioning LDAP Interface Description](#).





2 Overview

This MOM presents a view of provisioning related manageable resources in the MTAS, and parameters and actions associated with these resources.

An MO is an entity presented to the user for controlling the aspects of a function. The object carries attributes that reflect the behavior of the function.

The MOs are identified by a naming attribute, also called the Relative Distinguished Name (RDN). The id part of this attribute is defined when the MO is created, and cannot be changed afterwards. A Distinguished Name (DN) is a sequence of RDNs, which forms a unique name within the node.

2.1 Managed Object Class

Each MOC is described in the format defined in the following table:

Table 1 Managed Object Class

Managed Object Class
System or User created. If an MOC is System Created it is created at initial start.
Cardinality: The cardinality for the MO
Name: The name of the MO
MOI: The instance of this MOC

2.2 Managed Object Attribute Description

Each MO attribute is described in the format defined as follows:

Property	Description
Cardinality	<p>The cardinality for the attribute value.</p> <p>If a value is mandatory: Then a value for the attribute must be provided when creating the MO. The cardinality starts with 1, example 1-1.</p> <p>If a value is optional: Then the initial value of the attribute is optional when creating the MO. The default value is assigned at creation of the MO. The cardinality starts with 0, example 0-1.</p>



Property	Description
LDAP Object ID	The LDAP object identity in the MIM, for example, 1.3.6.1.4.1.193.238.0.2.101.
Managed Object Class	The attribute's container Managed Object Class.
Type	"Boolean", "Integer", "String", "List of strings".
Enumeration	
Range	The range of possible values for the attribute, if defined.
Unit	For example: "Days", "Hours", "Seconds", "Milliseconds".
Length	Length for string.
Possible values and Meanings	Possible values of the attribute, if defined.
Default value	The default value for the attribute. "<Empty>" in this field means "empty string" or "empty list of strings", that is, there is no value assigned to the attribute. "Not Applicable" means that a default value cannot be given, for example, when assigning a valid value to an attribute is mandatory.
Access	"Read-Write" or "Read-Only".



Property	Description
Category	<p data-bbox="948 398 1426 521">"Internal" – Internal parameters can in principle be seen as constants. The intention is that the parameters never be changed.</p> <p data-bbox="948 551 1445 797">"Solution Integration" – Solution integration parameters are delivered with recommended default settings and changes normally be performed by Ericsson trained personnel only. There are a few different reasons that make a parameter classified as solution integration dependent:</p> <ul data-bbox="948 826 1445 1317" style="list-style-type: none"> <li data-bbox="948 826 1445 981">• The parameter value selection has a visible impact on the characteristics of the Network Element (capacity, latency, and so on) in a way that is not reasonable to foresee. <li data-bbox="948 1010 1445 1164">• The parameter value selection depends on other parameters, maybe even in other Network Elements. That is, a parameter setting coordination is required. <li data-bbox="948 1193 1445 1317">• The parameter value selection has a big importance in achieving a requested system behavior, for example, redundancy. <p data-bbox="948 1346 1445 1848">"Site Specific" – The site specific parameters are dependent on the network topology and the physical location of the IMS equipment. These parameters are given values that are unique for each deployment, and some of the setting needs to be coordinated with other deployed Network Elements. For a specific deployment scenario, it is up to the operator (preferably in collaboration with the BU Global Services personnel especially for change operations) to select the parameter value. In general, the site specific parameters are configured during the initial installation.</p> <p data-bbox="948 1877 1445 1998">"Operator Configurable" – Operator configurable parameters can be freely configured by the operator to achieve the expected system behavior.</p>



Property	Description
Change effect	"Change effect" – Time when the change of the attribute takes effect.
Dependencies	Dependencies for the attribute change effect.
Properties	"Persistent" – included in an MTAS backup.

2.3 Administrative State

The administrative state makes it possible to control the availability of services of an MTAS node, on different levels. A function can be activated and deactivated, by configuring its `AdministrativeState` attribute. A function in the "Unlocked" state is activated, while the "Locked" state indicates that the function is deactivated.

The administrative states that are defined within the MTAS are described in Table 2.

Table 2 Administrative States

Administrative State	Value	Description
Locked	0	Traffic is not accepted.
Unlocked	1	Traffic is accepted.
Shuttingdown	2	Active traffic sessions are undisturbed. New traffic sessions are not accepted.

For specific administrative state values, see to the description of the Managed Object Classes in Section 3 on page 13. Deactivating an MO on function level does not deactivate (lock) the `MtasFunction` MO. Deactivating the `MtasFunction` MO on node level does not lock the MOs on function level, but prevents the services from executing.

The traffic responses when changing administrative states, and the signaling responses for each function in a specific administrative state, are described in Table 3 and Table 4, respectively.

Table 3 Traffic Responses When Changing Administrative States

Administrative State Change	Impact on the MTAS ⁽¹⁾
Locked -> Unlocked	All input is accepted.
Unlocked -> Locked	User activities including sessions are terminated forcefully.



Table 3 Traffic Responses When Changing Administrative States

Administrative State Change	Impact on the MTAS ⁽¹⁾
Unlocked -> Shuttingdown	Outstanding requests continue to be processed. Current sessions are unaffected. No new requests are accepted. When all current activity has terminated normally, the MTAS changes the Administrative State to Locked. ⁽²⁾
Shuttingdown -> Locked	User activities including sessions are terminated forcefully.
Shuttingdown -> Unlocked	All input is accepted.

(1) For more information on operational details, refer to MTAS VNF Management Guide.

(2) If this change does not happen and the Administrative State remains 2 (shutting down) for a long while (because of a long call), the operator has the possibility to force the shutting down process by setting manually the Administrative State to 0.

Table 4 Administrative States and Signaling Responses

	Signaling Response		
Managed Object	Locked	Unlocked	Shuttingdown
Mtas3pty	No response	Full response	Not Applicable
MtasAoc	No response	Full response	Not Applicable
MtasAbDial	No response	Full response	Not Applicable
MtasAdditionalMediaResource	No response	Full response	Not Applicable
MtasApLdmnp	No response	Full response	Not Applicable
MtasAsIw	No response	Full response	Not Applicable
MtasCat	No response	Full response	Not Applicable
MtasCB	No response	Full response	Not Applicable
MtasCc	No response	Full response	Not Applicable
MtasCDiv	No response	Full response	Not Applicable
MtasCharging	No response	Full response	Not Applicable
MtasConf	New INVITE messages rejected with 503; "Service Unavailable"	Full response	New INVITE messages rejected with 503; "Service Unavailable"
MtasCpc	No response	Full response	Not Applicable
MtasCps	No response	Full response	Not Applicable
MtasCpsRn	No response	Full response	Not Applicable
MtasCs	No response	Full response	Not Applicable



Table 4 Administrative States and Signaling Responses

Managed Object	Signaling Response		
	Locked	Unlocked	Shuttingdown
MtasCsRn	No response	Full response	Not Applicable
MtasCsi	No response	Full response	Not Applicable
MtasCug	No response	Full response	Not Applicable
MtasCw	No response	Full response	Not Applicable
MtasDialPlan	No response	Full response	Not Applicable
MtasDnm	No response	Full response	Not Applicable
MtasDtm	No NOTIFY messages generated.	NOTIFY generated when triggered.	Not Applicable
MtasEct	No response	Full response	Not Applicable
MtasExtMrfcNode	No response	Full response	Not Applicable
MtasFcd	No response	Full response	Not Applicable
MtasFsfs	No response	Full response	Not Applicable
MtasFunction	No response	Full response	New INVITE messages rejected with 503
MtasGCac	No response	Full response	Not Applicable
MtasGm	No response	Full response	Not Applicable
MtasHotline	No response	Full response	Not Applicable
MtasIdPres	No response	Full response	Not Applicable
MtasMcid	No response	Full response	Not Applicable
MtasMediaResourceDistribution	No response	Full response	Not Applicable
MtasMmt	New invite messages rejected with 503; "Service Unavailable"	Full response	New INVITE messages rejected with 503; "Service Unavailable"
MtasMmtCal	No response	Full response	Not Applicable
MtasMmtCalPubHoliday	No response	Full response	Not Applicable



Table 4 Administrative States and Signaling Responses

Managed Object	Signaling Response		
	Locked	Unlocked	Shuttingdown
MtasMrfp	<p>The specific MRFP will not be used. Other MRFPs in the “Unlocked” state will still be used for new sessions. MRFPs in the “Shuttingdown” state will still be used for ongoing sessions.</p> <p>If all MRFPs are in the “Locked” state, no media functionality is available. In this case, functions that are dependent on MRFP will be rejected. For example, MTAS functions with announcements will still execute, but without the announcements, and conference requests will be rejected.</p>	Full response	New sessions will not use the specific MRFP. Other MRFPs in the “Unlocked” state will still be used for new sessions. If there are no MRFPs in the “Unlocked” state, no media functionality is available for new sessions. In this case, functions that are dependent on MRFP will be rejected. For example, MTAS functions with announcements will still execute new sessions, but without the announcements, and new conference sessions will be rejected.
MtasNa	No response	Full response	Not Applicable
MtasNcc	No response	Full response	Not Applicable
MtasNp	No response	Full response	Not Applicable
MtasNumberTranslation	No response	Full response	Not Applicable
MtasPriorityCall	No response	Full response	Not Applicable
MtasPx3pcc	No response	Full response	Not Applicable
MtasPxCallNotification	No response	Full response	Not Applicable
MtasScc	New SIP requests rejected with 503; “Service Unavailable”.	Full response	Initial INVITE messages rejected with 503; “Service Unavailable”.
	New CAP requests rejected with “TaskRefused”.		New CAP requests rejected with “TaskRefused”.
MtasSds	CAP InitialDPs answered with CONTINUE	Full response	Not Applicable
MtasSnd	No response	Full response	Not Applicable
MtasSSCodes	No response	Full response	Not Applicable
MtasSrvcc	No response	Full response	Not Applicable



Table 4 Administrative States and Signaling Responses

Managed Object	Signaling Response		
	Locked	Unlocked	Shuttingdown
MtasSsc	No response	Full response	Not Applicable
MtasStod	No response	Full response	Not Applicable
MtasTads	No response	Full response	Not Applicable
MtasUCac	No response	Full response	Not Applicable
MtasVideoFB	No response	Full response	Not Applicable
MtasVtp	No response	Full response	Not Applicable
MtasXdms	New XCAP requests rejected with 503; "Service Unavailable"	Full response	New XCAP requests rejected with 503; "Service Unavailable"
	New CAI3G requests rejected with 503; "Service Unavailable"	Full response	New CAI3G requests rejected with 503; "Service Unavailable"
VtasAbDial	No response	Full response	Not Applicable
VtasApLdmnp	No response	Full response	Not Applicable
VtasAoc	No response	Full response	Not Applicable
VtasCB	No response	Full response	Not Applicable
VtasCDiv	No response	Full response	Not Applicable
VtasConf	No response	Full response	Not Applicable
VtasCpc	No response	Full response	Not Applicable
VtasCug	No response	Full response	Not Applicable
VtasCw	No response	Full response	Not Applicable
VtasDialPlan	No response	Full response	Not Applicable
VtasDtm	No response	Full response	Not Applicable
VtasEct	No response	Full response	Not Applicable
VtasFcd	No response	Full response	Not Applicable
VtasFsfs	No response	Full response	Not Applicable
VtasGCac	No response	Full response	Not Applicable
VtasHotline	No response	Full response	Not Applicable
VtasIdPres	No response	Full response	Not Applicable
VtasMcid	No response	Full response	Not Applicable
VtasMmt	New INVITE messages rejected with 503; "Service Unavailable"	Full response	New INVITE messages rejected with 503; "Service Unavailable"



Table 4 Administrative States and Signaling Responses

	Signaling Response		
Managed Object	Locked	Unlocked	Shuttingdown
VtasMmtCal	No response	Full response	Not Applicable
VtasMmtCalPub Holiday	No response	Full response	Not Applicable
VtasNa	No response	Full response	Not Applicable
VtasNp	No response	Full response	Not Applicable
VtasNumberTra nslation	No response	Full response	Not Applicable
VtasSnd	No response	Full response	Not Applicable
VtasSsc	No response	Full response	Not Applicable
VtasStod	No response	Full response	Not Applicable
VtasUCac	No response	Full response	Not Applicable
VtasVideoFB	No response	Full response	Not Applicable



3 Managed Object Classes

3.1 MtasFunction

The **MtasFunction** MO represents one node of the MTAS application. The MOC and its attributes can be configured through COM NBI interfaces. For details see: **MtasFunction** MOC.

3.2 MtasServices

The **MtasServices** MO serves as a structural MO for all services in an MTAS node. The MOC and its attributes can be configured through COM NBI interfaces. For details see: **MtasServices** MOC.

3.3 MtasMmt

The **MtasMmt** MO serves as a structural MO for the Supplementary Services in an MTAS node, and a main switch for the MMTel. The MOC and its attributes can be configured through COM NBI interfaces. For details see: **MtasMmt** MOC.

3.4 MtasDnm

Dialed Number Mapping (DNM) Service Managed Object Class (MOC)

Table 5 MtasDnm MO

<div> MtasDnm System Created Cardinality: 1-1 Name: MtasDnm=0 MOI: MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName" </div>
--

3.4.1 MtasDnm Attributes

This section describes the **MtasDnm** attributes.

3.4.1.1 MtasDnm

This attribute is the primary key of **MtasDnm**.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13000
Managed Object Class	MtasDnm
Type	Integer
Enumeration	0
Range	N/A
Unit	N/A
Possible values and Meanings	N/A
Default value	0
Access	Read-Only
Category	Internal

3.4.1.2 mtasDnmAdministrativeState

This attribute defines the administrative state of the Dialed Number Mapping (DNM) service. If the administrative state is locked, then any initial SIP INVITE request does NOT trigger DNM service.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13001
Managed Object Class	MtasDnm
Type	Integer
Enumeration	0 1
Range	N/A
Unit	N/A
Possible values and Meanings	0-1 (0=Locked, 1=Unlocked)
Default value	0
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	If mtasDnmAdministrativeState is set to unlocked, the mtasSndAdministrativeState must not be set to unlocked.



3.4.1.3 **mtasDnmAnnRejectInvalidDialedNumberLength**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service rejects an attempt for dialing number with invalid digit length.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13002
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist

3.4.1.4 **mtasDnmAnnRejectLocalFormatNbr**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service rejects an attempt for dialing Local Format number.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13003
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable



Property	Description
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist

3.4.1.5 **mtasDnmAnnRejectShortCodeNbr**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service rejects an attempt for dialing Short Code number.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13004
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist
Note	This attribute is deprecated.

3.4.1.6 **mtasDnmAnnRejectLocalFormatNbrRestriction**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service rejects an attempt for dialing a Local Format number because of the area being restricted from making such calls.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13005
Managed Object Class	MtasDnm
Type	String



Property	Description
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist

3.4.1.7 **mtasDnmAnnWarningLongDistance**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service plays an announcement for subscribers who dialed a 10 digit number and the call qualifies as long distance.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13006
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist

3.4.1.8 **mtasDnmAnnShortCodeFailure**

This attribute the name of the generic announcement, specified in an instance of MtasGaAnn, to be played when DNM service is unable to determine the R-URI corresponding to a shortcode. The empty string would mean no announcement to be played.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13007
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist.

3.4.1.9 mtasDnmNationalAfterLocal

This attribute defines if 10 digit National processing is required to be followed by 7 digit local processing in DNM Service. 10 digit processing involves determining the calltype and accepting/rejecting the call

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13008
Managed Object Class	MtasDnm
Type	Integer
Enumeration	0 1 2 3
Range	N/A
Unit	N/A
Possible values and Meanings	0-3(0 = Disabled, 1 = Only for Mobile Devices, 2 = Only for Fixed Devices, 3 = Both Fixed and Mobile Devices).
Default value	0
Access	Read-Write
Category	Operator Configurable
Change effect	Not Applicable
Dependencies	Not Applicable



3.4.1.10 **mtasDnmAnnLocalFormatDialingFailure**

This attribute defines the name of the generic announcement, specified in an instance of MtasGaAnn, to be played when DNM Service encounters a database error. The empty string would mean no announcement to be played.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13009
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist.

3.4.1.11 **mtasDnmAnnTransitionArea**

This attribute defines the name of the generic announcement, specified in an instance of MtasGaAnn, to be played when DNM Service determines that the NPA is in transition area. The empty string would mean no announcement to be played.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13010
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	Not Applicable
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write



Property	Description
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist.

3.4.1.12 **mtasDnmFixedDeviceSupport**

This attribute defines if fixed device is supported in DNM.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13011
Managed Object Class	MtasDnm
Type	Boolean
Possible values and Meanings	Allowed values are TRUE (fixed supported) or FALSE (fixed not supported).
Default value	FALSE
Access	Read-Write
Category	Solution Integration
Change effect	New session
Dependencies	N/A

3.4.1.13 **mtasDnmAnnRejectInvalidNPA**

This attribute defines the value of the operator named announcement to be played when the Dialed Number Mapping (DNM) service rejects an attempt for dialing Invalid NPA.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13012
Managed Object Class	MtasDnm
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A



Property	Description
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist

3.5 MtasDnmAccType

This Managed Object Class (MOC) represents the Access Type based on P-Access-Network-Info (PANI) header format standardized in 3GPP TS 24.229 in Dialed Number Mapping (DNM) service.

This MOC is deprecated.

Table 6 MtasDnmAccType MO

MtasDnmAccType
User Created
Cardinality: 0-8
Name: MtasDnmAccType="UserAssignedString"
MOI: MtasDnmAccType="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.5.1 MtasDnmAccType Attributes

This section describes the MtasDnmAccType attributes.

3.5.1.1 MtasDnmAccType

This attribute is the primary key of MtasDnmAccType.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13100
Managed Object Class	MtasDnmAccType
Type	String
Length	1-16



Property	Description
Format	String
Possible values and Meanings	String confirming to the ABNF syntax described in 3GPP TS 24.229 Release 11, Section 7.2A.4
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.6 MtasDnmAccTypeAccInfo

This Managed Object Class (MOC) represents the Access Info based on P-Access-Network-Info (PANI) header format standardized in 3GPP TS 24.229 in Dialed Number Mapping (DNM) service.

This MOC is deprecated.

Table 7 MtasDnmAccTypeAccInfo MO

MtasDnmAccTypeAccInfo
User Created
Cardinality: 0-100000
Name: MtasDnmAccTypeAccInfo="UserAssignedString"
MOI: MtasDnmAccTypeAccInfo="UserAssignedString", MtasDnmAccType="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.6.1 MtasDnmAccTypeAccInfo Attributes

This section describes the MtasDnmAccTypeAccInfo attributes.

3.6.1.1 MtasDnmAccTypeAccInfo

This attribute is the primary key of MtasDnmAccTypeAccInfo.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13200
Managed Object Class	MtasDnmAccTypeAccInfo
Type	String
Length	3-256
Format	String, at minimum 3 characters and maximum 256 characters, in the following format: .{1,16}&.{1,239}
Possible values and Meanings	When MTAS searches for a particular MOC instance, it constructs the key from the received P-Access-Network-Info header by concatenating the access-type part of the PANI header, character "&", and the access-info part of the PANI header. Example: for the following header: "PANI: X;Y=Z" the constructed key value is "X&Z".
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.6.1.2 mtasDnmAccTypeAccInfoNpa

This attribute defines the list of Numbering Plan Areas (NPA) connected to the associated Access Info in the Dialed Number Mapping (DNM) service.

Property	Description
Cardinality	0-64
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13201
Managed Object Class	MtasDnmAccTypeAccInfo
Type	String
Length	0-3
Format	N/A



Property	Description
Possible values and Meanings	Type: List of strings, at maximum 64 entries
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.7 MtasDnmAccTypeAccInfoSCode

This Managed Object Class (MOC) represents the Short-code Dial Number in association with Access Info. For embedded tel URI (SIP URI with user=phone) format, the Short-code number is the Tel part of the SIP URI.

This MOC is deprecated.

Table 8 MtasDnmAccTypeAccInfoSCode MO

MtasDnmAccTypeAccInfoSCode
User Created
Cardinality: 0-1000
Name: MtasDnmAccTypeAccInfoSCode="UserAssignedString"
MOI: MtasDnmAccTypeAccInfoSCode="UserAssignedString", MtasDnmAccTypeAccInfo="UserAssignedString", MtasDnmAccType="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.7.1 MtasDnmAccTypeAccInfoSCode Attributes

This section describes the MtasDnmAccTypeAccInfoSCode attributes.

3.7.1.1 MtasDnmAccTypeAccInfoSCode

This attribute is the primary key of MtasDnmAccTypeAccInfoSCode.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13300



Property	Description
Managed Object Class	MtasDnmAccTypeAccInfoSCode
Type	String
Length	5-65
Format	String, at minimum 5 characters and maximum 65 characters, in the following format: <code>{1,16}&[0-9a-fA-F]{1,40}&[0-9#*]{1,7}</code>
Possible values and Meanings	The value of this primary key is a concatenation of the parent class primary key, character "&", and the short-code. The short-code part consists of digit, * or #, at minimum 1 character, at maximum 7 characters.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.7.1.2

mtasDnmAccTypeAccInfoSCodeCovArea

This attribute defines the Coverage Area name for a unique Short-code in association with its access info.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13301
Managed Object Class	MtasDnmAccTypeAccInfoSCode
Type	String
Length	1-64
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable



Property	Description
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.8 MtasDnmCovArea

This Managed Object Class (MOC) represents the Coverage Area name of one particular access type for one unique short-code dial number.

Table 9 MtasDnmCovArea MO

MtasDnmCovArea
User Created
Cardinality: 0-6400000
Name: MtasDnmCovArea="UserAssignedString"
MOI: MtasDnmCovArea="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.8.1 MtasDnmCovArea Attributes

This section describes the MtasDnmCovArea attributes.

3.8.1.1 MtasDnmCovArea

This attribute is the primary key of MtasDnmCovArea.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13400
Managed Object Class	MtasDnmCovArea
Type	String
Length	1-64
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write



Property	Description
Category	Operator Configurable
Note	This attribute is deprecated.

3.8.1.2

mtasDnmCovAreaServArea

This attribute defines the Service Area name of one unique short-code dial number in association with its Coverage Area.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13401
Managed Object Class	MtasDnmCovArea
Type	String
Length	1-64
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.9

MtasDnmServiceArea

This Managed Object Class (MOC) represents the Service Area name of one unique short-code dial number.



Table 10 MtasDnmServiceArea MO

MtasDnmServiceArea
User Created
Cardinality: 0-800000
Name: MtasDnmServiceArea="UserAssignedString"
MOI: MtasDnmServiceArea="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.9.1 MtasDnmServiceArea Attributes

This section describes the MtasDnmServiceArea attributes.

3.9.1.1 MtasDnmServiceArea

This attribute is the primary key of MtasDnmServiceArea.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13500
Managed Object Class	MtasDnmServiceArea
Type	String
Length	1-64
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Note	This attribute is deprecated.

3.9.1.2 mtasDnmServiceAreaActualUri

This attribute defines the translated URI address (tel or SIP URI) of one unique short-code dial number within specific Service Area.

Property	Description
Cardinality	1-1



Property	Description
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13501
Managed Object Class	MtasDnmServiceArea
Type	String
Length	1-255
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.10 MtasDnmShortCode

This Managed Object Class (MOC) represents the Short-code Dial Number. For embedded tel URI (SIP URI with user=phone) format, the Short-code number is the Tel part of the SIP URI.

Table 11 MtasDnmShortCode MO

MtasDnmShortCode User Created Cardinality: 0-1000 Name: MtasDnmShortCode="UserAssignedString" MOI: MtasDnmShortCode="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"
--

3.10.1 MtasDnmShortCode Attributes

This section describes the MtasDnmShortCode attributes.

3.10.1.1 MtasDnmShortCode

This attribute is the primary key of MtasDnmShortCode.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13600
Managed Object Class	MtasDnmShortCode
Type	String
Length	1-7
Format	String, at minimum 1 character and maximum 7 characters, in the following format: [0-9#*]{1,7}
Possible values and Meanings	Short-code consists of digit, * or #, at minimum 1 character, at maximum 7 characters. Short-code consists of digit, * or #, at minimum 1 character, at maximum 7 characters.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.10.1.2**mtasDnmShortCodeDefaultUri**

This attribute defines the default URI address (tel or SIP URI) of one unique short-code dial number.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.13601
Managed Object Class	MtasDnmShortCode
Type	String
Length	1-255
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write



Property	Description
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.11 MtasDnmCallTypePolicy

This Managed Object Class (MOC) represents the operator configured call allow and/or rejection policy based on the Dialed Number Length and calltype determined by the NumberAnalysis.

Table 12 MtasDnmCallTypePolicy MO

MtasDnmCallTypePolicy
User Created
Cardinality: 0-50
Name: MtasDnmCallTypePolicy="UserAssignedString"
MOI: MtasDnmCallTypePolicy="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0, applicationName=MtasFunction, nodeName="NodeName"

3.11.1 MtasDnmCallTypePolicy Attributes

This section describes the MtasDnmCallTypePolicy attributes.

3.11.1.1 MtasDnmCallTypePolicy

This attribute is the primary key of MtasDnmCallTypePolicy.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.31500
Managed Object Class	MtasDnmCallTypePolicy
Type	String
Length	1-18
Format	N/A
Possible values and Meanings	N/A



Property	Description
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable

3.11.1.2 mtasDnmCallTypePolicyCallControl

This attribute defines whether to accept or reject the call.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.31501
Managed Object Class	MtasDnmCallTypePolicy
Type	Integer
Enumeration	0 1
Range	N/A
Unit	N/A
Possible values and Meanings	0-1 (0= Accept the call 1= Reject the call)
Default value	0
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.11.1.3 mtasDnmCallTypePolicyAnn

This attribute defines the name of the generic announcement, specified in an instance of MtasGaAnn to be played when DnmService decides that the call needs to be accepted or rejected. If this value is not specified, no announcement will be played.

Property	Description
Cardinality	0-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.31502
Managed Object Class	MtasDnmCallTypePolicy
Type	String



Property	Description
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	An instance of MtasGaAnn with this string must exist.

3.12 MtasCommonData

The MtasCommonData MO serves as a structural MO for common configuration data in an MTAS node.

Table 13 MtasCommonData MO

MtasCommonData System Created Cardinality: 1-1 Name: MtasCommonData=0 MOI: MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.12.1 MtasCommonData Attributes

This section describes the MtasCommonData attributes.

3.12.1.1 MtasCommonData

This attribute is the primary key of MtasCommonData.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14100
Managed Object Class	MtasCommonData
Type	Integer



Property	Description
Enumeration	0
Range	N/A
Unit	N/A
Possible values and Meanings	This attribute defines the primary key of MtasCommonData
Default value	0
Access	Read-Only
Category	Internal

3.13 MtasCommonDataAccNetwType

This Managed Object Class (MOC) represents the Access Type based on P-Access-Network-Info (PANI) header format standardized in 3GPP TS 24.229.

Table 14 MtasCommonDataAccNetwType MO

MtasCommonDataAccNetwType
User Created
Cardinality: 0-48
Name: MtasCommonDataAccNetwType="UserAssignedString"
MOI: MtasCommonDataAccNetwType="UserAssignedString", MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.13.1 MtasCommonDataAccNetwType Attributes

This section describes the MtasCommonDataAccNetwType attributes.

3.13.1.1 MtasCommonDataAccNetwType

This attribute is the primary key of MtasCommonDataAccNetwType.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14200
Managed Object Class	MtasCommonDataAccNetwType
Type	String
Length	1-16



Property	Description
Format	String confirming to the ABNF syntax described in 3GPP TS 24.229 Release 11, Section 7.2A.4
Possible values and Meanings	Any value confirming to 3GPP TS 24.229
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14 MtasCommonDataAccNetwTypeAccInfo

This Managed Object Class (MOC) represents the Access Info based on P-Access-Network-Info (PANI) header format standardized in 3GPP TS 24.229. It is possible to configure 2 400 000 MtasCommonDataAccNetwTypeAccInfo MOCs for one MtasCommonDataAccNetwType. All alphabetic characters in primary key must be in same letter case.

Table 15 MtasCommonDataAccNetwTypeAccInfo MO

MtasCommonDataAccNetwTypeAccInfo User Created Cardinality: 0-n Name: MtasCommonDataAccNetwTypeAccInfo="UserAssignedString" MOI: MtasCommonDataAccNetwTypeAccInfo="UserAssignedString", MtasCommonDataAccNetwType="UserAssignedString", MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.14.1 MtasCommonDataAccNetwTypeAccInfo Attributes

This section describes the MtasCommonDataAccNetwTypeAccInfo attributes.

3.14.1.1 MtasCommonDataAccNetwTypeAccInfo

This attribute is the primary key of MtasCommonDataAccNetwTypeAccInfo.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14300
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	3-256
Format	String, at minimum 3 characters and maximum 256 characters, in the following format: .{1,16}&.{1,239}
Possible values and Meanings	When MTAS searches for a particular MOC instance, it constructs the key from the received P-Access-Network-Info header by concatenating the access-type part of the PANI header, character "&", and the access-info part of the PANI header. Example: for the following header: "PANI: X;Y=Z" the constructed key value is "X&Z".
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14.1.2 mtasCommonDataAccNetwTypeAccInfoNpa

This attribute defines the list of Numbering Plan Areas (NPA) connected to the associated Access Info.

Property	Description
Cardinality	0-64
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14301
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	0-3
Format	N/A



Property	Description
Possible values and Meanings	Type: List of strings, at maximum 64 entries
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14.1.3

mtasCommonDataAccNetwTypeAccInfoLocNum

Location Number.

Property	Description
Cardinality	0-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14302
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14.1.4

mtasCommonDataAccNetwTypeAccInfoMediaSite

This attribute stores the key of an existing MtasMrfDistributionSite MO representing an MRF site connected to the associated Access Info.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14303
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo



Property	Description
Type	Integer
Enumeration	N/A
Range	0-65535
Unit	N/A
Possible values and Meanings	Key of an existing MtasMrfDistribution Site MO
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Solution Integration
Change effect	New session
Dependencies	Stores the key of an existing MtasMrfDistributionSite MO.

3.14.1.5

mtasCommonDataAccNetwTypeAccInfoMap

This attribute defines the group to which the mobile cell belongs to. Type: List of records, at maximum 300 entries.

Property	Description
Cardinality	0-300
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14304
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	3-108
Format	String, at minimum 3 characters and maximum 108 characters, in the following format: .{1,x}&.{1,y} where x<=28 and y<=80 and x+y<=108.
Possible values and Meanings	The first string fragment, before the & character, represents the division type, which is an output from the Number Translation function for the dialed number. The second string fragment represents the name of the group this cell belong to and it is used later as a key of the MtasCommonDataGroupOfCells MOC.



Property	Description
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14.1.6 **mtasCommonDataAccNetwTypeAccInfoApplSpecificData**

This list can be used to store application/service specific data. Each application/service will store its data using a tag followed by the "&" character then the actual data. The tag must be in capital letters. For more details, see each application's/service' user guide.

Property	Description
Cardinality	0-20
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14305
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	1-32
Format	Format depends on the the tag used, see each application's/service' user guide.
Possible values and Meanings	Type: List of strings, at maximum 20 entries
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.14.1.7 **mtasCommonDataAccNetwTypeAccInfoRC**

This attribute defines the Rating Center to which the mobile cell belongs to

Property	Description
Cardinality	1-1



Property	Description
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14306
Managed Object Class	MtasCommonDataAccNetwTypeAccInfo
Type	String
Length	0-32
Format	N/A
Possible values and Meanings	N/A
Default value	<Empty string>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.15 MtasCommonDataAccNetwTypeAccInfoDnmSCode

This Managed Object Class (MOC) represents the Short-code Dial Number in association with Access Info. For embedded tel URI (SIP URI with user=phone) format, the Short-code number is the Tel part of the SIP URI.

Table 16 MtasCommonDataAccNetwTypeAccInfoDnmSCode MO

MtasCommonDataAccNetwTypeAccInfoDnmSCode
User Created
Cardinality: 0-1000
Name: MtasCommonDataAccNetwTypeAccInfoDnmSCode="UserAssignedString"
MOI: MtasCommonDataAccNetwTypeAccInfoDnmSCode="UserAssignedString", MtasCommonDataAccNetwTypeAccInfo="UserAssignedString", MtasCommonDataAccNetwType="UserAssignedString", MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.15.1 MtasCommonDataAccNetwTypeAccInfoDnmSCode Attributes

This section describes the MtasCommonDataAccNetwTypeAccInfoDnmSCode attributes.



3.15.1.1 MtasCommonDataAccNetwTypeAccInfoDnmSCode

This attribute is the primary key of MtasCommonDataAccNetwTypeAccInfoDnmSCode.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14400
Managed Object Class	MtasCommonDataAccNetwTypeAccInfoDnmSCode
Type	String
Length	5-65
Format	String, at minimum 5 characters and maximum 65 characters, in the following format: .{1,16}&[0-9a-fA-F]{1,40}&[0-9#*]{1,7}
Possible values and Meanings	The value of this primary key is a concatenation of the parent class primary key, character "&", and the short-code. The short-code part consists of digit, * or #, at minimum 1 character, at maximum 7 characters.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.15.1.2 mtasCommonDataAccNetwTypeAccInfoDnmSCodeCovArea

This attribute defines the Coverage Area name for a unique Short-code in association with its access info.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.14401
Managed Object Class	MtasCommonDataAccNetwTypeAccInfoDnmSCode
Type	String



Property	Description
Length	1-64
Format	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A
Note	This attribute is deprecated.

3.16 MtasCommonDataLocationDb

The MtasCommonDataLocationDb MO serves as a structural MO for location configuration data in an MTAS or GLS node.

Table 17 MtasCommonDataLocationDb MO

MtasCommonDataLocationDb
System Created
Cardinality: 1-1
Name: MtasCommonDataLocationDb=0
MOI: MtasCommonDataLocationDb=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.16.1 MtasCommonDataLocationDb Attributes

This section describes the MtasCommonDataLocationDb attributes.

3.16.1.1 MtasCommonDataLocationDb

This attribute is the primary key of MtasCommonDataLocationDb.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26200
Managed Object Class	MtasCommonDataLocationDb



Property	Description
Type	Integer
Enumeration	0
Range	N/A
Unit	N/A
Possible values and Meanings	This attribute defines the primary key of MtasCommonDataLocationDb
Default value	0
Access	Read-Only
Category	Internal

3.16.1.2 mtasCommonDataNpaLocalFormatRestriction

This attribute defines if restriction for local format (7 digits) dialing exists or not. If mtasCommonDataNpaLocalFormatRestriction=0 (disabled) means that there are no restrictions in place and local format (7 digit_ dialing is allowed from all areas. If mtasCommonDataNpaLocalFormatRestriction=1 (enabled) means that local format allowed if it is coming from an area whose NPA is defined in the mtasCommonDataNpaAllowedLocalFormat attribute.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26201
Managed Object Class	MtasCommonDataLocationDb
Type	Integer
Enumeration	0 1
Range	N/A
Unit	N/A
Possible values and Meanings	0-1 (0=Disabled, 1=Enabled)
Default value	0
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A



3.16.1.3 **mtasCommonDataNpaAllowedLocalFormat**

This attribute defines the list of NPA-s which is allowed to use the local format (7 digits) for making a new call.

Property	Description
Cardinality	0-1024
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26202
Managed Object Class	MtasCommonDataLocationDb
Type	String
Length	3-10
Format	N/A
Possible values and Meanings	3-10 digits, no visual separators
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.16.1.4 **mtasCommonDataNpaTransitionList**

This attribute defines the list of NPAs which are in the transition area from 7 to 10 digit dialing for making a new call.

Property	Description
Cardinality	0-1024
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26203
Managed Object Class	MtasCommonDataLocationDb
Type	String
Length	3-3
Format	N/A
Possible values and Meanings	Not applicable
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable



Property	Description
Change effect	New session
Dependencies	N/A

3.17 MtasCommonDataGroupOfCells

The MOC contains data at the geographical group level.

Table 18 MtasCommonDataGroupOfCells MO

MtasCommonDataGroupOfCells User Created Cardinality: 0-10000 Name: MtasCommonDataGroupOfCells="UserAssignedString" MOI: MtasCommonDataGroupOfCells="UserAssignedString", MtasCommonDataLocationDb=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.17.1 MtasCommonDataGroupOfCells Attributes

This section describes the MtasCommonDataGroupOfCells attributes.

3.17.1.1 MtasCommonDataGroupOfCells

This attribute is the primary key of MtasCommonDataGroupOfCells.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26300
Managed Object Class	MtasCommonDataGroupOfCells
Type	String
Length	1-80
Format	Alphanumeric or dash, star characters, except the & character.
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write



Property	Description
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.17.1.2 **mtasCommonDataGroupOfCellsDigits**

This attribute defines the digit sequence of MtasCommonDataGroupOfCells. This digit sequence is inserted somewhere into the dialed string. The exact place where the insertion is done is defined in the Number Translation function in CM attribute mtasNumberTranslationRule. One example is that it is added as a prefix in front of the dialed number and helps in the routing of the call.

Property	Description
Cardinality	0-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26301
Managed Object Class	MtasCommonDataGroupOfCells
Type	String
Length	4-20
Format	Numeric characters.
Possible values and Meanings	The digits contained can represent data from the operator's existing dialing plan (ex. MSC number, route origin), but no special separator character is required.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.17.1.3 **mtasCommonDataGroupOfCellsNpa**

This attribute defines the NPA of MtasCommonDataGroupOfCells. This NPA represents the Number Plan Area for a group of cells which can in turn represent a wireless local calling area.

Property	Description
Cardinality	0-5000
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26302



Property	Description
Managed Object Class	MtasCommonDataGroupOfCells
Type	String
Length	3-10
Format	Numeric characters.
Possible values and Meanings	3-10 digits, no visual separators.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.18 MtasCommonDataGroupOfCellsAndCode

The MOC represents a group of cells for a special dialed string.

Table 19 MtasCommonDataGroupOfCellsAndCode MO

MtasCommonDataGroupOfCellsAndCode User Created Cardinality: 0-10000 Name: MtasCommonDataGroupOfCellsAndCode="UserAssignedString" MOI: MtasCommonDataGroupOfCellsAndCode="UserAssignedString", MtasCommonDataGroupOfCells="UserAssignedString", MtasCommonDataLocationDb=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"
--

3.18.1 MtasCommonDataGroupOfCellsAndCode Attributes

This section describes the MtasCommonDataGroupOfCellsAndCode attributes.

3.18.1.1 MtasCommonDataGroupOfCellsAndCode

This attribute is the primary key of MtasCommonDataGroupOfCellsAndCode.

Property	Description
Cardinality	1-1



Property	Description
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26400
Managed Object Class	MtasCommonDataGroupOfCellsAndCode
Type	String
Length	3-105
Format	Alphanumeric characters in the following format: <code>.{1-80}&[*#]?[0-9]{1-23}</code>
Possible values and Meanings	The value of this primary key attribute is a concatenation of the parent class primary key, character "&" and the dialed short code or service code which can start with the character "*" or "#" followed by digits or it can be digits only.
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.18.1.2

mtasCommonDataGroupOfCellsAndCodeMap

This attribute defines the mapping between destinations for different language preferences. All the possible destination inside in this map are valid for the group of cells identifier in the primary key and the dialed digits (short code or service code) also in the primary key which matched this managed object.

Property	Description
Cardinality	1-20
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.26401
Managed Object Class	MtasCommonDataGroupOfCellsAndCode
Type	String
Length	3-127
Format	String, at minimum 3 characters and maximum 127 characters, in the following format: <code>.{1,x}&.{1,y}</code> where $x+y \leq 127$.



Property	Description
Possible values and Meanings	The first string fragment, before the & character, contains a string coming from the <language-tag> XML data of CAI3G common-data schema stored for each subscriber. The second string fragment, after the & character is a string formatted as a TEL or SIP URI (see chapter 25 of RFC3261).
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.19 MtasCommonDataAllowedAccessNetworkTypes

The MtasCommonDataAllowedAccessNetworkTypes contains the allowed Access Network Types in P-Access-Network-Info (PANI) header

Table 20 MtasCommonDataAllowedAccessNetworkTypes MO

MtasCommonDataAllowedAccessNetworkTypes System Created Cardinality: 1-1 Name: MtasCommonDataAllowedAccessNetworkTypes=0 MOI: MtasCommonDataAllowedAccessNetworkTypes=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"
--

3.19.1 MtasCommonDataAllowedAccessNetworkTypes Attributes

This section describes the MtasCommonDataAllowedAccessNetworkTypes attributes.

3.19.1.1 MtasCommonDataAllowedAccessNetworkTypes

This attribute is the primary key of MtasCommonDataAllowedAccessNetworkTypes.



Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.39800
Managed Object Class	MtasCommonDataAllowedAccessNetworkTypes
Type	Integer
Enumeration	0
Range	N/A
Unit	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Only
Category	Internal

3.19.1.2

mtasCommonDataAllowedAccessNetworkTypesName

This attribute defines the list of allowed Access Types.

Property	Description
Cardinality	0-255
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.39801
Managed Object Class	MtasCommonDataAllowedAccessNetworkTypes
Type	String
Length	1-255
Format	N/A
Possible values and Meanings	Type: List of strings, at maximum 255 entries
Default value	3GPP-GERAN 3GPP-UTRAN-FDD 3GPP-UTRAN-TDD 3GPP-E-UTRAN-FDD 3GPP-E-UTRAN-TDD 3GPP2-1X 3GPP2-1X-Femto 3GPP2-1X-HRPD 3GPP-UTRAN 3GPP-E-UTRAN
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A



3.20 MtasCommonDataAllowedAccessInfoTypes

The MtasCommonDataAllowedAccessInfoTypes contains allowed Access Info Types in P-Access-Network-Info (PANI) header

Table 21 MtasCommonDataAllowedAccessInfoTypes MO

MtasCommonDataAllowedAccessInfoTypes
System Created
Cardinality: 1-1
Name: MtasCommonDataAllowedAccessInfoTypes=0
MOI: MtasCommonDataAllowedAccessInfoTypes=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.20.1 MtasCommonDataAllowedAccessInfoTypes Attributes

This section describes the MtasCommonDataAllowedAccessInfoTypes attributes.

3.20.1.1 MtasCommonDataAllowedAccessInfoTypes

This attribute is the primary key of MtasCommonDataAllowedAccessInfoTypes.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.39900
Managed Object Class	MtasCommonDataAllowedAccessInfoTypes
Type	Integer
Enumeration	0
Range	N/A
Unit	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Only
Category	Internal



3.20.1.2 mtasCommonDataAllowedAccessInfoTypesName

This attribute defines the ordered list of the allowed Access Info Types in a format of Order:AccessInfoType, where - Order is an unsigned integer and it defines which Access Info Type parameter instance is to be taken if a PANI header contains more than one allowed Access Info Type parameters. The lowest number has the highest priority in matching. - AccessInfoType is the name of the Access Info Type parameter. Examples: 1:utran-cell-id-3gpp, 2:i-wlan-node-id.

Property	Description
Cardinality	0-255
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.39901
Managed Object Class	MtasCommonDataAllowedAccessInfoTypes
Type	String
Length	2-255
Format	List of strings in the following format: ([0-9]+:.*)
Possible values and Meanings	Type: List of strings, at maximum 255 entries
Default value	10:cgi-3gpp 20:utran-cell-id-3gpp 30:ci-3gpp2 40:ci-3gpp2-femto
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A

3.21 MtasCommonDataPaniTranslationProfiles

The MtasCommonDataPaniTranslationProfiles MO serves as a structural MO for PANI Translation Profiles

Table 22 MtasCommonDataPaniTranslationProfiles MO

MtasCommonDataPaniTranslationProfiles
User Created
Cardinality: 1-16
Name: MtasCommonDataPaniTranslationProfiles="UserAssignedInteger"
MOI: MtasCommonDataPaniTranslationProfiles="UserAssignedInteger", MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"

3.21.1 MtasCommonDataPaniTranslationProfiles Attributes

This section describes the MtasCommonDataPaniTranslationProfiles attributes.

3.21.1.1 MtasCommonDataPaniTranslationProfiles

This attribute is the primary key of MtasCommonDataPaniTranslationProfiles.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.40000
Managed Object Class	MtasCommonDataPaniTranslationProfiles
Type	Integer
Enumeration	N/A
Range	0-15
Unit	N/A
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Internal

3.22 MtasCommonDataPaniTranslationProfile

The MtasCommonDataPaniTranslationProfile MO represents a regexp mapping from Access Info Value to the instance of MtasCommonDataAccNetwTypeAccInfo. Using this MO it is possible to reduce the number of the logical MtasCommonDataAccNetwTypeAccInfo instances by enabling mapping several Access Info Values to the same MtasCommonDataAccNetwTypeAccInfo instance.

Table 23 MtasCommonDataPaniTranslationProfile MO

MtasCommonDataPaniTranslationProfile User Created Cardinality: 0-256 Name: MtasCommonDataPaniTranslationProfile="UserAssignedString" MOI: MtasCommonDataPaniTranslationProfile="UserAssignedString", MtasCommonDataPaniTranslationProfiles=0, MtasCommonData=0, applicationName=MtasFunction, nodeName="NodeName"
--



3.22.1 MtasCommonDataPaniTranslationProfile Attributes

This section describes the MtasCommonDataPaniTranslationProfile attributes.

3.22.1.1 MtasCommonDataPaniTranslationProfile

This attribute is the primary key of MtasCommonDataPaniTranslationProfile.

Property	Description
Cardinality	1-1
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.40100
Managed Object Class	MtasCommonDataPaniTranslationProfile
Type	String
Length	3-255
Format	String, at minimum 3 characters and maximum 255 characters, in the following format: .{1,127}&.{1,127}
Possible values and Meanings	N/A
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	The access-network-type part of this attribute must be the one from the mtasCommonDataAllowedAccessNetworkTypesName list of MtasCommonDataAllowedAccessNetworkTypes. The access-info-type part of this attribute must be the one from the mtasCommonDataAllowedAccessInfoTypesName list of MtasCommonDataAllowedAccessInfoTypes.

3.22.1.2 mtasCommonDataPaniTranslationProfileRule

This attribute stores P-Access-Network-Info translation rules. The translation rule has following format: Order: Substitution-rule, where - Order is an unsigned integer and it defines which substitution rule is being matched first. The lowest number has the highest priority in matching. - Substitution-rule is a POSIX 1003.2 extended regular substitution of format /regexp/replacement/. The regexp commands are performed on the actual



Access Info Value in the configured order. The first matching result is taken for the MtasCommonDataAccNetwTypeAccInfo key generation. If the lookup with the actual key fails in the MtasCommonDataAccNetwTypeAccInfo table then the next key will be generated from the next matching rule.

Property	Description
Cardinality	0-100
LDAP Object ID	1.3.6.1.4.1.193.238.0.2.40101
Managed Object Class	MtasCommonDataPaniTranslationProfile
Type	String
Length	5-255
Format	List of strings in the following format: ([0-9]+:\.*\.\.*/\)
Possible values and Meanings	Any PANI translation rule
Default value	<No default value, a value is set when creating attribute or MO>
Access	Read-Write
Category	Operator Configurable
Change effect	New session
Dependencies	N/A