

# Parameter Description for Provisioning MTAS MOCs MTAS

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## 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 via COM NBI, so LDAP should 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 the purpose of controlling the aspects of a function. The object carries attributes that reflect the behavior of the function.

The MOs are identified by means of 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*

|                                                                                     |
|-------------------------------------------------------------------------------------|
| <b>Managed Object Class</b>                                                         |
| 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 shall start 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 will be assigned at creation of the MO. The cardinality shall start with 0, example 0-1.</p> |
| 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                | <p>The default value for the attribute.</p> <p>"&lt;Empty&gt;" 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 a attribute is mandatory.</p>                                                                                                |
| Access                       | "Read-Write" or "Read-Only".                                                                                                                                                                                                                                                                                                                                                                                               |





| Property | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category | <p data-bbox="948 398 1445 521">"Internal" – Internal parameters can in principle be seen as constants. The intention is that the parameters never be changed.</p> <p data-bbox="948 548 1422 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="948 824 1445 1317" style="list-style-type: none"> <li>• 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> <li>• The parameter value selection is dependent on other parameters, maybe even in other Network Elements. That is, a parameter setting coordination is required.</li> <li>• The parameter value selection has a big importance when it comes to achieving a requested system behavior, for example, redundancy.</li> </ul> <p data-bbox="948 1344 1445 1877">"Site Specific" – The site specific parameters are dependent on the network topology and the physical location of the IMS equipment. These parameters are generally 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 1904 1445 2029">"Operator Configurable" – Operator configurable parameters can be freely configured by the operator in order 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.

For specific administrative state values, refer to the description of the Managed Object Classes in Section 3 Managed Object Classes. 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 will prevent the services from executing.

Possible values and meanings:

- Locked (0): Traffic is not accepted.
- Unlocked (1): Traffic is accepted.
- Shuttingdown (2): Active traffic sessions are undisturbed. New traffic sessions are not accepted.

## 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 via 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 via 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, as well as a main switch for the MMTel. The MOC and its attributes can be configured via COM NBI interfaces. For details see: *MtasMmt* MOC.

### 3.4 MtasDnm

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

Table 2 *MtasDnm* MO

|                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><b>MtasDnm</b></div> <div>System Created</div> <div>Cardinality: 1-1</div> <div>Name: MtasDnm=0</div> <div>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 shall 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         |



| Property      | Description                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------|
| 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                        |



| 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 |

#### 3.4.1.5 **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 due to 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                                               |
| 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         |



| Property      | Description                                          |
|---------------|------------------------------------------------------|
| 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                       |





| Property                     | Description                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| 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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| 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                                                  |
| 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.

Note that this MOC is deprecated.

*Table 3 MtasDnmAccType MO*

|                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmAccType</b><br>User Created<br>Cardinality: 0-8<br>Name: MtasDnmAccType="UserAssignedString"<br>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                                                                                        |
| 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 shall be 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.

Note that this MOC is deprecated.

Table 4 *MtasDnmAccTypeAccInfo MO*

|                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmAccTypeAccInfo</b>                                                                                                                                                  |
| 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 should be "X&Z". |
| Default value                | <No default value, a value shall be 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. |

### 3.6.1.2 **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                                          |
| 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.

Note that this MOC is deprecated.

Table 5 *MtasDnmAccTypeAccInfoSCode MO*

|                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmAccTypeAccInfoSCode</b>                                                                                                                                                                                                        |
| User Created                                                                                                                                                                                                                             |
| Cardinality: 0-1000                                                                                                                                                                                                                      |
| Name: MtasDnmAccTypeAccInfoSCode="UserAssignedString"                                                                                                                                                                                    |
| MOI: MtasDnmAccTypeAccInfoSCode="UserAssignedString",<br>MtasDnmAccTypeAccInfo="UserAssignedString", MtasDnmAccType<br>="UserAssignedString", MtasDnm=0, MtasMmt=0, MtasServices=0,<br>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                                                                                                                                                                                        |
| Managed Object Class         | MtasDnmAccTypeAccInfoSCode                                                                                                                                                                                           |
| Type                         | String                                                                                                                                                                                                               |
| Length                       | 5-65                                                                                                                                                                                                                 |
| Format                       | String, at minimum 5 characters and maximum 65 characters, in the following format:<br>. {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 shall be set when creating attribute or MO>                                                                                                                                               |
| Access                       | Read-Write                                                                                                                                                                                                           |
| Category                     | Operator Configurable                                                                                                                                                                                                |
| Change effect                | New session                                                                                                                                                                                                          |



| Property     | Description                   |
|--------------|-------------------------------|
| 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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| Category                     | Operator Configurable                                                  |
| Change effect                | New session                                                            |
| Dependencies                 | N/A                                                                    |
| Note                         | This attribute is deprecated.                                          |

## 3.8

### **MtasDnmCovArea**

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





Table 6 MtasDnmCovArea MO

|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmCovArea</b>                                                                                                             |
| 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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| 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         |



| Property                     | Description                                                            |
|------------------------------|------------------------------------------------------------------------|
| 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 shall be 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 7 MtasDnmServiceArea MO

|                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmServiceArea</b>                                                                                                             |
| 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 shall be 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                                                                    |
| 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 shall be 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 8 MtasDnmShortCode MO

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmShortCode</b>                                                                                                             |
| 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 shall be 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. |

### 3.10.1.2 **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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| Category                     | Operator Configurable                                                  |
| Change effect                | New session                                                            |
| Dependencies                 | N/A                                                                    |
| Note                         | This attribute is deprecated.                                          |

## 3.11 **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 9 MtasDnmCallTypePolicy MO

|                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasDnmCallTypePolicy</b>                                                                                                             |
| 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                                                                    |
| Default value                | <No default value, a value shall be 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 |



| Property                     | Description                                 |
|------------------------------|---------------------------------------------|
| 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                                                |
| 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 10 MtasCommonData MO*

|                                                                          |
|--------------------------------------------------------------------------|
| <b>MtasCommonData</b>                                                    |
| 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                                                  |
| 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 11 MtasCommonDataAccNetwType MO*

|                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataAccNetwType</b>                                                                                         |
| User Created                                                                                                             |
| Cardinality: 0-32                                                                                                        |
| 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                                                                                        |
| 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 shall be 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.

Table 12 MtasCommonDataAccNetwTypeAccInfo MO

|                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataAccNetwTypeAccInfo</b>                                                                                                                                         |
| User Created                                                                                                                                                                    |
| Cardinality: 0-100000                                                                                                                                                           |
| 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} |



| Property                     | Description                                                                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 should be "X&Z". |
| Default value                | <No default value, a value shall be 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                                          |
| 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                                       |
| Type                         | Integer                                                                |
| Enumeration                  | N/A                                                                    |
| Range                        | 0-65535                                                                |
| Unit                         | N/A                                                                    |
| Possible values and Meanings | Key of an existing MtasMrfDistributionSite MO                          |
| Default value                | <No default value, a value shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |



| Property      | Description                                               |
|---------------|-----------------------------------------------------------|
| 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. |
| Default value                | <No default value, a value shall be 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 shall be 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                              |
| 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                              |



| Property      | Description           |
|---------------|-----------------------|
| 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 13 *MtasCommonDataAccNetwTypeAccInfoDnmSCode MO*

|                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataAccNetwTypeAccInfoDnmSCode</b><br>User Created<br>Cardinality: 0-1000<br>Name: MtasCommonDataAccNetwTypeAccInfoDnmSCode="UserAssignedString"<br>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 |



| Property                     | Description                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                         | String                                                                                                                                                                                                               |
| Length                       | 5-65                                                                                                                                                                                                                 |
| Format                       | String, at minimum 5 characters and maximum 65 characters, in the following format:<br>. {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 shall be 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                                                                 |
| Length                       | 1-64                                                                   |
| Format                       | N/A                                                                    |
| Possible values and Meanings | N/A                                                                    |
| Default value                | <No default value, a value shall be 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. |

## 3.16 MtasCommonDataLocationDb

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

Table 14 MtasCommonDataLocationDb MO

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataLocationDb</b>                                                                      |
| 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                                           |
| 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                                                                  |



| Property | Description |
|----------|-------------|
| 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 are 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                        |



| Property                     | Description                                                            |
|------------------------------|------------------------------------------------------------------------|
| Length                       | 3-10                                                                   |
| Format                       | N/A                                                                    |
| Possible values and Meanings | 3-10 digits, no visual separators                                      |
| Default value                | <No default value, a value shall be 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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| Category                     | Operator Configurable                                                  |
| Change effect                | New session                                                            |
| Dependencies                 | N/A                                                                    |

### 3.17 **MtasCommonDataGroupOfCells**

The MOC contains data at the geographical group level.

Table 15 *MtasCommonDataGroupOfCells MO*

|                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataGroupOfCells</b>                                                                                                                     |
| 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 shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| 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 will be 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         | <code>MtasCommonDataGroupOfCells</code>                                                                                                                           |
| 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 shall be 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                                          |
| Managed Object Class         | <code>MtasCommonDataGroupOfCells</code>                                |
| 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 shall be set when creating attribute or MO> |



| Property      | Description           |
|---------------|-----------------------|
| 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 16 MtasCommonDataGroupOfCellsAndCode MO

|                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataGroupOfCellsAndCode</b>                                                                                                                                                                      |
| 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                                                                           |
| 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:<br>. {1-80}&[*#]?[0-9]{1-23} |



| Property                     | Description                                                                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 shall be 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: .{1,x}&.{1,y} where x+y<=127.                                                                                                                                                                            |
| 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). |



| Property      | Description                                                            |
|---------------|------------------------------------------------------------------------|
| Default value | <No default value, a value shall be 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 17 MtasCommonDataAllowedAccessNetworkTypes MO

|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataAllowedAccessNetworkTypes</b>                                                                      |
| 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                                       |





| Property                     | Description                                                            |
|------------------------------|------------------------------------------------------------------------|
| Range                        | N/A                                                                    |
| Unit                         | N/A                                                                    |
| Possible values and Meanings | N/A                                                                    |
| Default value                | <No default value, a value shall be 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<br>3GPP-UTRAN-TDD 3GPP-E-UTRAN-FDD 3GPP-E-UTRAN-TDD<br>3GPP2-1X 3GPP2-1X-Femto<br>3GPP2-1X-HRPD 3GPP-UTRAN<br>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 18 *MtasCommonDataAllowedAccessInfoTypes MO*

| <b>MtasCommonDataAllowedAccessInfoTypes</b>                                                                      |
|------------------------------------------------------------------------------------------------------------------|
| 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 shall be 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 19 MtasCommonDataPaniTranslationProfiles MO*

|                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataPaniTranslationProfiles</b><br>User Created<br>Cardinality: 1-16<br>Name: MtasCommonDataPaniTranslationProfiles="UserAssignedInteger"<br>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 shall be 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 MtasCommonDataAccNetwTypeAcclInfo. Using this MO it is possible to reduce the number of the logical MtasCommonDataAccNetwTypeAcclInfo instances by enabling mapping several Access Info Values to the same MtasCommonDataAccNetwTypeAcclInfo instance.

Table 20 MtasCommonDataPaniTranslationProfile MO

|                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MtasCommonDataPaniTranslationProfile</b>                                                                                                                                  |
| 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 shall be 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:<br>([0-9]+:V.*V.*V)           |
| Possible values and Meanings | Any PANI translation rule                                              |
| Default value                | <No default value, a value shall be set when creating attribute or MO> |
| Access                       | Read-Write                                                             |
| Category                     | Operator Configurable                                                  |
| Change effect                | New session                                                            |
| Dependencies                 | N/A                                                                    |