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Mission Critical Push To Talk (MCPTT)
Management Object (MO)
(3GPP TS 24.383 version 13.1.0 Release 13)

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Contents

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

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- x the first digit:
  - 1 presented to TSG for information;
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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
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1 Scope

The present document defines a number of Mission Critical Push To Talk (MCPTT) Management Objects (MO) that are configured for the MCPTT UE for the operation of the MCPTT Service. The management objects are compatible with OMA Device Management protocol specifications, version 1.2 and upwards, and is defined using the OMA DM Device Description Framework as described in the Enabler Release Definition OMA OMA-ERELD_DM-V1_2 [2].

Mission critical communication services are services that require preferential handling compared to normal telecommunication services, e.g. in support of police or fire brigade.

The MCPTT service can be used for public safety applications and also for general commercial applications (e.g., utility companies and railways).

The present document is applicable to an MCPTT UE supporting on-line, off-line or both on-line and off-line configuration of the configuration management client.

The present document is applicable to an MCPTT UE supporting off-line configuration of the group management client.

The parameters defined by the management objects in the present document are configured in the MCPTT UE using on-line configuration over the CSC-4 reference point and using off-line configuration over the CSC-11 and CSC-12 reference points. Other specifications define how these parameters are used in the operation of MCPTT, and whether they are applicable to on-network operation or off-network operation, or both:

- 3GPP TS 24.379 [7]
- 3GPP TS 24.380 [8]
- 3GPP TS 24.381 [9]
- 3GPP TS 24.382 [11]
- 3GPP TS 24.384 [12]

The common network operation means both on-network operation and off-network operation in the present document.

The following management objects are defined in the present document:

- MCPTT UE configuration MO
- MCPTT user profile MO
- MCPTT group configuration MO
- MCPTT service configuration MO
- MCPTT UE initial configuration MO

The MOs listed above define repositories of data in the ME.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] OMA OMA-ERELD-DM-V1_2-20070209-A: "Enabler Release Definition for OMA Device Management, Version 1.2".

[3] OMA OMA-TS-DM_Protocol-V1_2: "OMA Device Management Protocol".

[4] OMA OMA-TS-XDM_Group-V1_1-20120403-A: "Group XDM Specification".

[5] 3GPP TS 23.003: "Numbering, addressing and identification".

[6] 3GPP TS 23.303: "Proximity-based Services (ProSe); Stage 2".

[7] 3GPP TS 24.379: "Mission Critical Push To Talk (MCPTT) call control Protocol specification".

[8] 3GPP TS 24.380: "Mission Critical Push To Talk (MCPTT) media plane control Protocol specification".

[9] 3GPP TS 24.381: "Mission Critical Push To Talk (MCPTT) group management Protocol specification".

[10] 3GPP TS 31.102: "Characteristics of the USIM Application".

[11] 3GPP TS 24.382: "Mission Critical Push To Talk (MCPTT) identity management Protocol specification".

[12] 3GPP TS 24.384: "Mission Critical Push To Talk (MCPTT) configuration management Protocol specification".

[13] IETF RFC 4566 (July 2006): "Session Description Protocol".

3 Definitions and abbreviations

3.1 Definitions

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

ACL	Access Control List
DDF	Device Description Framework
DM	Device Management
MCPTT	Mission Critical Push To Talk
ME	Mobile Equipment
MO	Management Object
OMA	Open Mobile Alliance
ProSe	Proximity-based Services

4 MCPTT UE configuration MO

4.1 General

The MCPTT UE configuration Management Object (MO) is used to configure MCPTT Client behaviour for the on-network or off-network MCPTT Service. The MCPTT UE configuration parameters may be stored in the ME, or in the USIM as specified in 3GPP TS 31.102 [10], or in both the ME and the USIM. If both the ME and the USIM contain the same parameters, the values stored in the USIM shall take precedence.

The Management Object Identifier is: urn:oma:mo:ext-3gpp-MCPTT-UE-configuration:1.0.

Protocol compatibility: This MO is compatible with OMA OMA DM 1.2 [3].

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT UE configuration MO.

The following nodes and leaf objects are possible under the MCPTT UE configuration node as described in figure 4.1.1:

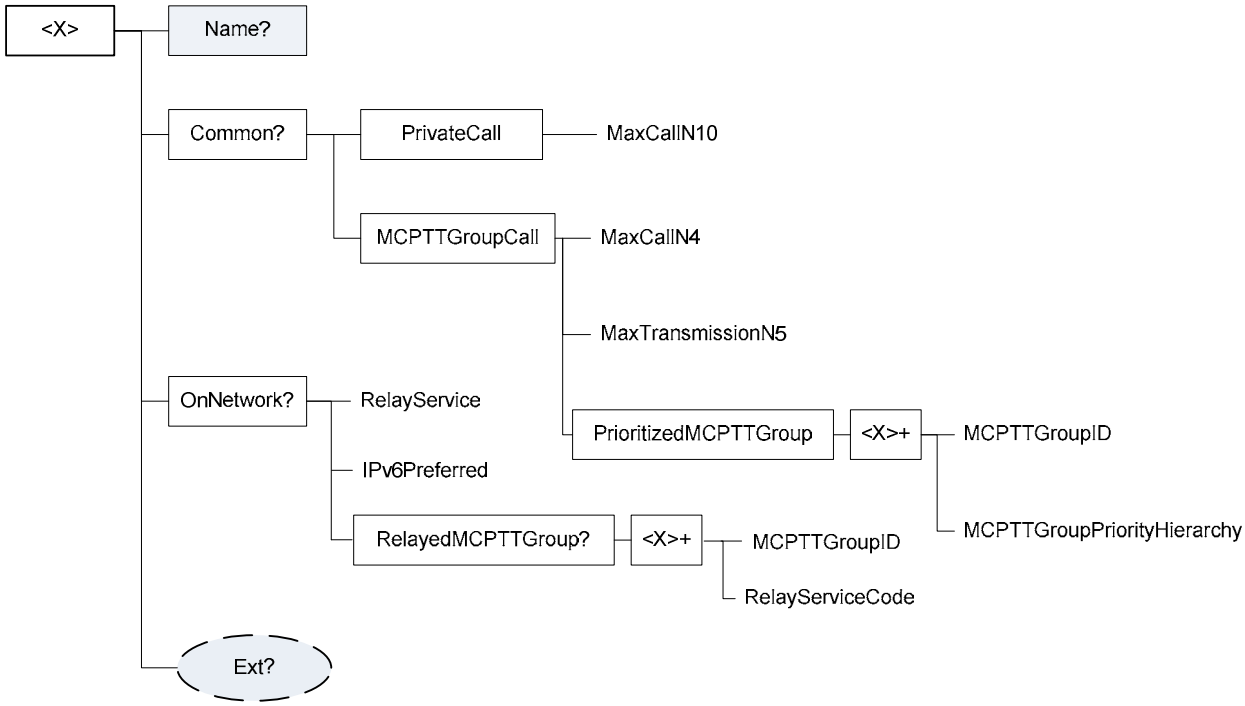

Figure 4.1.1: The MCPTT UE configuration MO

4.2 MCPTT UE configuration MO parameters

4.2.1 General

This clause describes the parameters for the MCPTT UE configuration Management Object (MO).

4.2.2 Node: <*x*>

Table 4.2.2.1: Node: <x>

<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node acts as a placeholder for the MCPTT UE configuration Management Object (MO).

For the MCPTT UE configuration MO, the namespace specific string is: "urn:oma:mo:oma-dm-mcptt-ue-configuration:1.0"

- Values: N/A

4.2.3 /<x>/Name

Table 4.2.3.1: /<x>/Name

Name

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	chr	Get

The Name leaf is a name for the MCPTT UE configuration settings.

- Values: <User displayable name>

4.2.4 /<x>/Ext/

Table 4.2.4.1: /<x>/Ext/

Ext

Status	Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get, Replace

The Ext is an interior node for where the vendor specific information about the MCPTT UE configuration MO is being placed.

Usually the vendor extension is identified by vendor specific name under the ext node and contains the vendor meaning application vendor, device vendor etc. The tree structure under the vendor identified is not defined and can therefore include one or more un-standardized sub-trees.

- Values: N/A

4.2.5 /<x>/Common

Table 4.2.5.1: /<x>/Common

Common

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the common network operation which means both on-network operation and off-network operation.

4.2.6 /<x>/Common/PrivateCall

Table 4.2.6.1: /<x>/Common/PrivateCall

Common/PrivateCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the private call configuration.

4.2.7 /<x>/Common/PrivateCall/MaxCallN10

Table 4.2.7.1: /<x>/Common/PrivateCall/MaxCallN10

Common/PrivateCall/MaxCallN10

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the maximum number of private calls.

- Values: 0-255

4.2.8 /<*x*>/Common/MCPTTGroupCall

Table 4.2.8.1: /<*x*>/Common/MCPTTGroupCall

Common/MCPTTGroupCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT group call configuration.

4.2.9 /<*x*>/Common/MCPTTGroupCall/MaxCallN4

Table 4.2.9.1: /<*x*>/Common/MCPTTGroupCall/MaxCallN4

Common/MCPTTGroupCall/MaxCallN4

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the maximum number of simultaneous group calls.

- Values: 0-255

4.2.10 /<*x*>/Common/MCPTTGroupCall/MaxTransmissionN5

Table 4.2.10.1: /<*x*>/Common/MCPTTGroupCall/MaxTransmissionN5

Common/MCPTTGroupCall/MaxTransmissionN5

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the maximum number of transmissions in a group.

- Values: 0-255

4.2.11 /<*x*>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup

Table 4.2.11.1: /<*x*>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup

Common/MCPTTGroupCall/PrioritizedMCPTTGroup

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node is a placeholder for the prioritized MCPTT group call configuration.

4.2.12 /<*x*>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>

Table 4.2.12.1: /<*x*>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>

Common/MCPTTGroupCall/PrioritizedMCPTTGroup /<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more prioritized MCPTT group call configuration.

4.2.13 /<x>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupID

Table 4.2.13.1: /<x>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupID

Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the associated MCPTT group ID.

The value is a "uri" attribute specified in OMA OMA-TS-XDM_Group-V1_1 [4].

4.2.14 /<x>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupPriorityHierarchy

Table 4.2.14.1: /<x>/Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupPriorityHierarchy

Common/MCPTTGroupCall/PrioritizedMCPTTGroup/<x>/MCPTTGroupPriorityHierarchy

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the requested presentation priority of group call.

- Values: 1-8

The group with the lowest MCPTTGroupPriorityHierarchy value shall be considered as the group having the lowest priority among the groups.

4.2.15 /<x>/OnNetwork

Table 4.2.15.1: /<x>/OnNetwork

OnNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for on-network operation.

4.2.16 /<x>/OnNetwork/RelayService

Table 4.2.16.1: /<x>/OnNetwork/RelayService

OnNetwork/RelayService

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to use a relay service.

When set to "true" the MCPTT group is allowed to use a relay service.

When set to "false" the MCPTT group is not allowed to use a relay service.

4.2.17 /<x>/OnNetwork/IPv6Preferred

Table 4.2.17.1: /<x>/OnNetwork/IPv6Preferred

OnNetwork/IPv6Preferred

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether IPv6 is preferred over IPv4 for on-network operation when the MCPTT UE has both IPv4 and IPv6 host configuration.

If the MCPTT UE has both IPv4 and IPv6 host configuration and:

- if IPv6Preferred is set to "true" then the UE uses IPv6 for all on-network signalling and media; otherwise
- if IPv6Preferred is set to "false" then the UE uses IPv4 for all on-network signalling and media.

4.2.18 /<x>/OnNetwork/RelayedMCPTTGroup

Table 4.2.18.1: /<x>/OnNetwork/RelayedMCPTTGroup

OnNetwork/RelayedMCPTTGroup

Status	Occurrence	Format	Min. Access Types
Optional	One	node	Get, Replace

This interior node is a placeholder for the allowed relayed MCPTT groups.

4.2.19 /<x>/OnNetwork/RelayedMCPTTGroup/<x>

Table 4.2.19.1: /<x>/OnNetwork/RelayedMCPTTGroup/<x>

OnNetwork/RelayedMCPTTGroup/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more allowed relayed MCPTT groups.

4.2.20 /<x>/OnNetwork/RelayedMCPTTGroup/<x>/MCPTTGroupID

Table 4.2.20.1: /<x>/OnNetwork/RelayedMCPTTGroup/<x>/MCPTTGroupID

OnNetwork/RelayedMCPTTGroup/<x>/MCPTTGroupID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the associated MCPTT group ID.

The value is a "uri" attribute specified in OMA OMA-TS-XDM_Group-V1_1 [4].

4.2.21 /<x>/OnNetwork/RelayedMCPTTGroup/<x>/RelayServiceCode

Table 4.2.21.1: /<x>/OnNetwork/RelayedMCPTTGroup/<x>/RelayServiceCode

OnNetwork/RelayedMCPTTGroup/<x>/RelayServiceCode

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the connectivity service that the ProSe UE-to-network relay provides to public safety applications as specified in 3GPP TS 23.303 [6].

5 MCPTT user profile MO

5.1 General

The MCPTT user profile configuration Management Object (MO) is used to configure the MCPTT Client behaviour for the on-network or off-network MCPTT Service. The MCPTT UE configuration parameters may be stored in the ME, or in the USIM as specified in 3GPP TS 31.102 [10], or in both the ME and the USIM. If both the ME and the USIM contain the same parameters, the values stored in the USIM shall take precedence.

The Management Object Identifier is: urn:oma:mo:ext-3gpp-MCPTT-user-profile:1.0.

Protocol compatibility: This MO is compatible with OMA OMA DM 1.2 [3].

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT user profile MO.

The following nodes and leaf objects are possible under the MCPTT user profile node as described in figure 5.1.1 and figure 5.1.2:

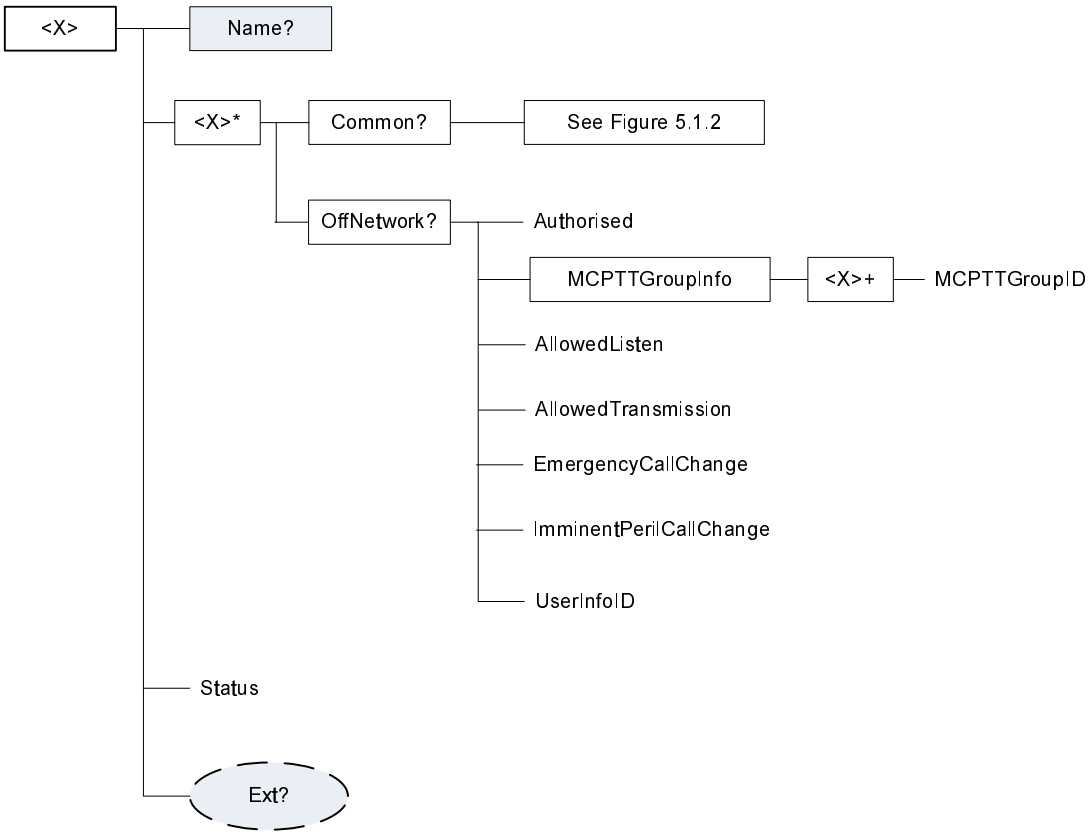

Figure 5.1.1: The MCPTT user profile MO (1 of 2)

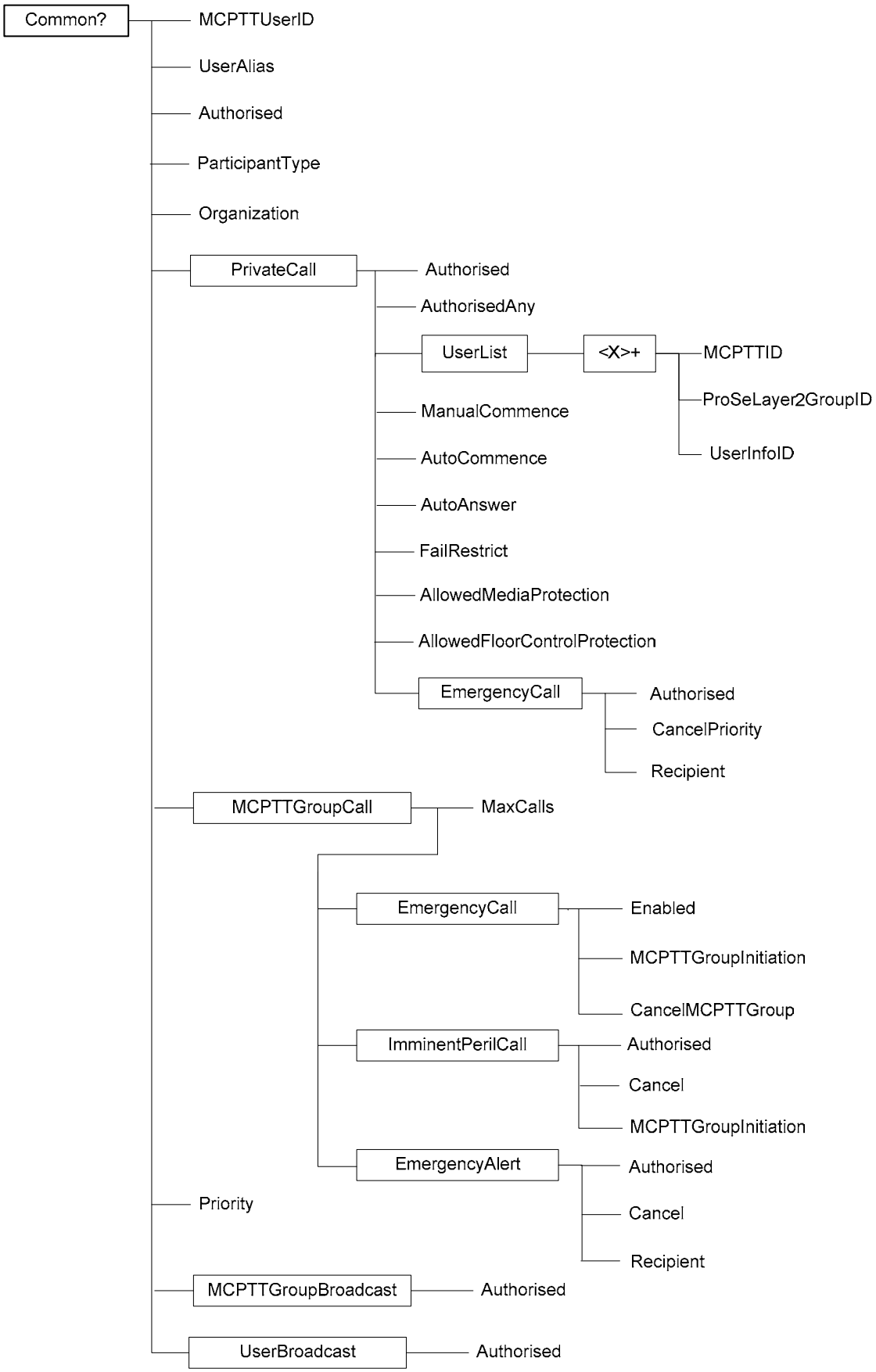

Figure 5.1.2: The MCPTT user profile MO (2 of 2)

5.2 MCPTT user profile MO parameters

5.2.1 General

This clause describes the parameters for the MCPTT user profile Management Object (MO).

5.2.2 Node: <*x*>

Table 5.2.2.1: Node: <*x*>

<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node acts as a placeholder for the MCPTT user profile Management Object (MO).

For the MCPTT user profile MO, the namespace specific string is: "urn:oma:mo:oma-dm-mcptt-user-profile:1.0"

- Values: N/A

5.2.3 /<*x*>/Name

Table 5.2.3.1: /<*x*>/Name

Name

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	chr	Get

The Name leaf is a name for the MCPTT user profile settings.

- Values: <User displayable name>

5.2.4 /<*x*>/Ext/

Table 5.2.4.1: /<*x*>/Ext/

Ext

Status	Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get, Replace

The Ext is an interior node for where the vendor specific information about the MCPTT user profile MO is being placed.

Usually the vendor extension is identified by vendor specific name under the ext node and contains the vendor meaning application vendor, device vendor etc. The tree structure under the vendor identified is not defined and can therefore include one or more un-standardized sub-trees.

- Values: N/A

5.2.5 /<*x*>/<x>

Table 5.2.5.1: /<*x*>/<x>

<x>

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrMore	node	Get, Replace

This interior node represents a container for the common network operation and off-network operation.

5.2.6 /<*x*>/<x>/Common

Table 5.2.6.1: /<*x*>/<x>/Common

<x>/Common

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the common network operation which means both on-network operation and off-network operation.

5.2.7 /<*x*>/<*x*>/Common/MCPTTUserID

Table 5.2.7.1: /<*x*>/<x>/Common/MCPTTUserID

<x>/Common/MCPTTUserID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates an MCPTT user identity (MCPTT ID) which is a globally unique identifier within the MCPTT service that represents the MCPTT user.

5.2.8 /<*x*>/<*x*>/Common/UserAlias

Table 5.2.8.1: /<*x*>/<x>/Common/UserAlias

<x>/Common/UserAlias

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	chr	Get, Replace

This leaf node indicates the alphanumeric aliases of MCPTT user.

5.2.9 /<*x*>/<*x*>/Common/Authorised

Table 5.2.9.1: /<*x*>/<x>/Common/Authorised

<x>/Common/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates authorisation to create and delete aliases of an MCPTT user and its associated user profiles.

When set to "true" the MCPTT user is authorised to create and delete aliases of an MCPTT user and its associated user profiles.

When set to "false" the MCPTT user is not authorised to create and delete aliases of an MCPTT user and its associated user profiles

5.2.10 /<*x*>/<x>/Common/ParticipantType

Table 5.2.10.1: /<*x*>/<x>/Common/ParticipantType

<*x*>/Common/ParticpantType

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the participant type of the MCPTT user.

The ParticipantType means the functional category of the participant (e.g., first responder, second responder, dispatch, dispatch supervisor), typically defined by the MCPTT administrators.

5.2.11 /<x>/<x>/Common/Organization

Table 5.2.11.1: /<x>/<x>/Common/Organization

<x>/Common/Organization

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the organization an MCPTT user belongs to.

5.2.12 /<x>/<x>/Common/PrivateCall

Table 5.2.12.1: /<x>/<x>/Common/PrivateCall

<x>/Common/PrivateCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the private call configuration.

5.2.13 /<x>/<x>/Common/PrivateCall/Authorised

Table 5.2.13.1: /<x>/<x>/Common/PrivateCall/Authorised

<x>/Common/PrivateCall/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make a private call.

When set to "true" the MCPTT user is allowed to make a private call.

When set to "false" the MCPTT user is not allowed to make a private call.

5.2.14 /<x>/<x>/Common/PrivateCall/AuthorisedAny

Table 5.2.14.1: /<x>/<x>/Common/PrivateCall/AuthorisedAny

<x>/Common/PrivateCall/AuthorisedAny

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make a private call to any MCPTT user.

When set to "true" any MCPTT user is authorised to make an MCPTT private call.

When set to "false" any MCPTT user is not authorised to make an MCPTT private call.

5.2.15 /<*x*>/<x>/Common/PrivateCall/UserList

Table 5.2.15.1: /<*x*>/<x>/PrivateCall/UserList

<x>/Common/ PrivateCall/UserList

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for a list of MCPTT user(s) who can be called in a private call.

5.2.16 /<*x*>/<x>/Common/PrivateCall/UserList/<x>

Table 5.2.16.1: /<*x*>/<x>/Common/PrivateCall/UserList/<x>

<x>/Common/PrivateCall/UserList/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more list of MCPTT users who can be called in a private call.

5.2.17 /<*x*>/<x>/Common/PrivateCall/UserList/<x>/MCPTTID

Table 5.2.17.1: /<*x*>/<x>/Common/PrivateCall/UserList/<x>/MCPTTID

<x>/Common/PrivateCall/UserList/<x>/MCPTTID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates an MCPTT user identity (MCPTT ID) which is a globally unique identifier within the MCPTT service that represents the MCPTT user.

The value is a "uri" attribute specified in OMA OMA-TS-XDM_Group-V1_1 [4].

5.2.18 /<*x*>/<x>/Common/PrivateCall/UserList/<x>/ProSeLayer2GroupID

Table 5.2.18.1: /<*x*>/<x>/Common/PrivateCall/UserList/<x>/ProSeLayer2GroupID

<x>/Common/PrivateCall/UserList/<x>/Layer2GroupID

Status	Occurrence	Format	Min. Access Types
Optional	One	chr	Get, Replace

This leaf node indicates a ProSe layer-2 group ID as specified in 3GPP TS 23.303 [6].

The value of the ProSe layer-2 group ID is used as the discovery group ID in the ProSe discovery procedures as specified in 3GPP TS 23.303 [6].

5.2.19 /<*x*>/<x>/Common/PrivateCall/UserList/<x>/UserInfoID

Table 5.2.19.1: /<*x*>/<x>/Common/PrivateCall/<x>/UserList/UserInfoID

<x>/Common/PrivateCall/UserList/<x>/UserInfoID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates a ProSe user info ID as specified in 3GPP TS 23.303 [6].

5.2.20 /<x>/<x>/Common/PrivateCall/ManualCommence

Table 5.2.20.1: /<x>/<x>/Common/PrivateCall/ManualCommence

<x>/Common/PrivateCall/ManualCommence

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make a private call with manual commencement.

When set to "true" the MCPTT user is authorised to make a private call in manual commencement mode.

When set to "false" the MCPTT user is not authorised to make a private call in manual commencement mode.

5.2.21 /<x>/<x>/Common/PrivateCall/AutoCommence

Table 5.2.21.1: /<x>/<x>/Common/PrivateCall/AutoCommence

<x>/Common/PrivateCall/AutoCommence

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make a private call with automatic commencement.

When set to "true" the MCPTT user is authorised to make a private call in automatic commencement mode.

When set to "false" the MCPTT user is not authorised to make a private call in automatic commencement mode.

5.2.22 /<x>/<x>/Common/PrivateCall/AutoAnswer

Table 5.2.22.1: /<x>/<x>/Common/PrivateCall/AutoAnswer

<x>/Common/PrivateCall/AutoAnswer

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation of MCPTT user to force automatic answer for a private call.

When set to "true" the MCPTT user is authorised to force automatic answer for a private call.

When set to "false" the MCPTT user is not authorised to force automatic answer for a private call.

5.2.23 /<x>/<x>/Common/PrivateCall/FailRestrict

Table 5.2.23.1: /<x>/<x>/Common/PrivateCall/FailRestrict

<x>/Common/PrivateCall/FailRestrict

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to restrict the provision of a notification of call failure reason for a private call.

When set to "true" the MCPTT user is authorised to restrict notification of call failure reason for private call.

When set to "false" the MCPTT user is not authorised to restrict notification of call failure reason for private call.

5.2.24 /<x>/<x>/Common/PrivateCall/AllowedMediaProtection

Table 5.2.24.1: /<x>/<x>/Common/PrivateCall/AllowedMediaProtection

<x>/Common/PrivateCall/AllowedMediaProtection

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates authorisation to protect confidentiality and integrity of media for private calls.

When set to "true" the MCPTT user is authorised to protect confidentiality and integrity of media for private calls.

When set to "false" the MCPTT user is not authorised to protect confidentiality and integrity of media for private calls.

The default value is set to "true".

5.2.25 /<*x*>/<*x*>/Common/PrivateCall/AllowedFloorControlProtection

Table 5.2.25.1: /<*x*>/<x>/Common/PrivateCall/AllowedFloorControlProtection

<x>/Common/PrivateCall/AllowedFloorControlProtection

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates authorisation to protect confidentiality and integrity of floor control signalling for private calls.

When set to "true" the MCPTT user is authorised to protect confidentiality and integrity of floor control signalling for private calls.

When set to "false" the MCPTT user is not authorised to protect confidentiality and integrity of floor control signalling for private calls.

The default value is set to "true".

5.2.26 /<*x*>/<*x*>/Common/PrivateCall/EmergencyCall

Table 5.2.26.1: /<*x*>/<x>/Common/PrivateCall/EmergencyCall

<x>/Common/PrivateCall/EmergencyCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT emergency call policy.

5.2.27 /<*x*>/<*x*>/Common/PrivateCall/EmergencyCall/Authorised

Table 5.2.27.1: /<*x*>/<x>/Common/PrivateCall/EmergencyCall/Authorised

<x>/Common/PrivateCall/EmergencyCall/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make an MCPTT emergency private call.

When set to "true" the MCPTT user is authorised to make an MCPTT emergency private call.

When set to "false" the MCPTT user is not authorised to make an MCPTT emergency private call.

5.2.28 /<*x*>/<*x*>/Common/PrivateCall/EmergencyCall/CancelPriority

Table 5.2.28.1: /<*x*>/<x>/Common/PrivateCall/EmergencyCall/CancelPriority

<x>/Common/PrivateCall/EmergencyCall/CancelPriority

Status	Occurrence	Format	Min. Access Types

Required	One	bool	Get, Replace

This leaf node indicates the authorisation to cancel emergency priority in an MCPTT emergency private call by an authorised MCPTT user.

When set to "true" the MCPTT user is authorised to cancel an emergency priority in an MCPTT private call.

When set to "false" the MCPTT user is not authorised to cancel an emergency priority in an MPCTT private call.

5.2.29 /<x>/<x>/Common/PrivateCall/EmergencyCall/Recipent

Table 5.2.29.1: /<x>/<x>/Common/PrivateCall/EmergencyCall/Recipent

<x>/Common/PrivateCall/EmergencyCall/Recipent

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	chr	Get, Replace

This leaf node indicates the recipient for an MCPTT emergency private call.

5.2.30 /<x>/<x>/Common/MCPTTGroupCall

Table 5.2.30.1: /<x>/<x>/Common/MCPTTGroupCall

<x>/Common/MCPTTGroupCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT group call configuration.

5.2.31 /<x>/<x>/Common/MCPTTGroupCall/MaxCalls

Table 5.2.31.1: /<x>/<x>/Common/MCPTTGroupCall/MaxCalls

<x>/Common/MCPTTGroupCall/MaxCalls

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the maximum number of simultaneously received group calls.

5.2.32 /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall

Table 5.2.32.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall

<x>/Common/MCPTTGroupCall/EmergencyCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT emergency call policy.

5.2.33 /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/Enabled

Table 5.2.33.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/Enabled

<x>/Common/MCPTTGroupCall/EmergencyCall/Enabled

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make an MCPTT emergency group call functionality enabled for MCPTT user.

When set to "true" the MCPTT user is authorised to make an MCPTT emergency group call functionality enabled.

When set to "false" the MCPTT user is not authorised to make an MCPTT emergency group call functionality enabled.

5.2.34 /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/MCPTTGroupInitiation

Table 5.2.34.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/MCPTTGroupInitiation

<x>/Common/MCPTTGroupCall/EmergencyCall/MCPTTGroupInitiation

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This interior node indicates the group used on initiation of an MCPTT emergency group call.

5.2.35 /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/CancelMCPTTGroup

Table 5.2.35.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyCall/CancelMCPTTGroup

<x>/Common/MCPTTGroupCall/EmergencyCall/CancelMCPTTGroup

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to cancel an in progress MCPTT emergency call associated with a group.

When set to "true" the MCPTT user is authorised to cancel a MCPTT group emergency call.

When set to "false" the MCPTT user is not authorised to cancel a MCTT group emergency call.

5.2.36 /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall

Table 5.2.36.1: /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall

<x>/Common/MCPTTGroupCall/ImminentPerilCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT imminent peril call policy.

5.2.37 /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/Authorised

Table 5.2.37.1: /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/Authorised

<x>/Common/MCPTTGroupCall/ImminentPerilCall/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to make an Imminent Peril group call.

When set to "true" the MCPTT user is authorised to create an MCPTT imminent peril group call.

When set to "false" the MCPTT user is not authorised to create an MCPTT imminent peril group call.

5.2.38 /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/Cancel

Table 5.2.38.1: /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/Cancel

<x>/Common/MCPTTGroupCall/ImminentPerilCall/Cancel

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation for in-progress MCPTT imminent peril cancelation.

When set to "true" the MCPTT user is authorised to cancel an MCPTT imminent peril call.

When set to "false" the MCPTT user is not authorised to cancel an MCPTT imminent peril call.

5.2.39 /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/MCPTTGroupInitiation

Table 5.2.39.1: /<x>/<x>/Common/MCPTTGroupCall/ImminentPerilCall/MCPTTGroupInitiation

<x>/Common/MCPTTGroupCall/ImminentPerilCall/MCPTTGroupInitiation

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the group used on initiation of an MCPTT imminent peril group call.

5.2.40 /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert

Table 5.2.40.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert

<x>/Common/MCPTTGroupCall/EmergencyAlert

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the MCPTT emergency alert policy.

5.2.41 /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Authorised

Table 5.2.41.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Authorised

<x>/Common/MCPTTGroupCall/EmergencyAlert/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to activate an MCPTT emergency alert.

When set to "true" the MCPTT user is authorised to make an MCPTT emergency alert.

When set to "false" the MCPTT user is not authorised to make an MCPTT emergency alert.

5.2.42 /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Cancel

Table 5.2.42.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Cancel

<x>/Common/MCPTTGroupCall/EmergencyAlert/Cancel

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to cancel an MCPTT emergency alert.

When set to "true" the MCPTT user is authorised to cancel an MCPTT emergency alert.

When set to "false" the MCPTT user is not authorised to cancel an MCPTT emergency alert.

5.2.43 /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Recipient

Table 5.2.43.1: /<x>/<x>/Common/MCPTTGroupCall/EmergencyAlert/Recipient

<x>/Common/MCPTTGroupCall/EmergencyAlert/Recipient

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	chr	Get, Replace

This leaf node indicates the MCPTT group/user recipient of an MCPTT emergency alert.

5.2.44 /<x>/<x>/Common/Priority

Table 5.2.44.1: /<x>/<x>/Common/Priority

<x>/Common/Priority

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the priority of the MCPTT user for initiating/receiving calls.

- Values: 0-7

The MCPTT user with the lowest Priority value shall be considered as the MCPTT user having the lowest level among the MCPTT users.

5.2.45 /<x>/<x>/Common/MCPTTGroupBroadcast

Table 5.2.45.1: /<x>/<x>/Common/MCPTTGroupBroadcast

<x>/Common/MCPTTGroupBroadcast

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the group-broadcast group policy.

5.2.46 /<x>/<x>/Common/MCPTTGroupBroadcast/Authorised

Table 5.2.46.1: /<x>/<x>/Common/MCPTTGroupBroadcast/Authorised

<x>/Common/MCPTTGroupBroadcast/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to create a group-broadcast group.

When set to "true" the MCPTT user is authorised to create a group-broadcast group.

When set to "false" the MCPTT user is not authorised to create a group-broadcast group.

5.2.47 /<x>/<x>/Common/UserBroadcast

Table 5.2.47.1: /<x>/<x>/Common/UserBroadcast

<x>/Common/UserBroadcast

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the user-broadcast group policy.

5.2.48 /<x>/<x>/Common/UserBroadcast/Authorised

Table 5.2.48.1: /<x>/<x>/Common/UserBroadcast/Authorised

<x>/Common/UserBroadcast/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to create a user-broadcast group.

When set to "true" the MCPTT user is authorised to create a user-broadcast group.

When set to "false" the MCPTT user is not authorised to create a user-broadcast group.

5.2.49 /<x>/<x>/OffNetwork

Table 5.2.49.1: /<x>/<x>/OffNetwork

<x>/OffNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for off-network operation.

5.2.50 /<x>/<x>/OffNetwork/Authorised

Table 5.2.50.1: /<x>/<x>/OffNetwork/Authorised

<x>/OffNetwork/Authorised

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation for off-network services.

When set to "true" the MCPTT user is authorised for off-network services.

When set to "false" the MCPTT user is not authorised for off-network services.

5.2.51 /<x>/<x>/OffNetwork/MCPTTGroupInfo

Table 5.2.51.1: /<x>/<x>/OffNetwork/MCPTTGroupInfo

<x>/OffNetwork/MCPTTGroupInfo

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for group information.

5.2.52 /<x>/<x>/OffNetwork/MCPTTGroupInfo/<x>

Table 5.2.52.1: /<x>/<x>/OffNetwork/MCPTTGroupInfo/<x>

<x>/OffNetwork/MCPTTGroupInfo/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more group information.

5.2.53 /<*x*>/<x>/OffNetwork/MCPTTGroupInfo/<x>/MCPTTGroupID

Table 5.2.53.1: /<*x*>/<x>/OffNetwork/MCPTTGroupInfo/<x>/MCPTTGroupID

<x>/OffNetwork/MCPTTGroupInfo/<x>/MCPTTGroupID

Status	Occurrence	Format	Min. Access Types
Optional	One	chr	Get, Replace

This leaf node indicates a list of off-network MCPTT groups for use by an MCPTT user.

5.2.54 /<*x*>/<*x*>/OffNetwork/AllowedListen

Table 5.2.54.1: /<*x*>/<x>/OffNetwork/AllowedListen

<x>/OffNetwork/AllowedListen

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether the MCPTT user is allowed to listen both overriding and overriden.

When set to "true" the MCPTT user is allowed to listen both overriding and overriden.

When set to "false" the MCPTT user is not allowed to listen both overriding and overriden.

5.2.55 /<*x*>/<*x*>/OffNetwork/AllowedTransmission

Table 5.2.55.1: /<*x*>/<x>/OffNetwork/AllowedTransmission

<x>/OffNetwork/AllowedTransmission

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether the MCPTT user is allowed to transmit in case of override (overriding and/or overridden).

When set to "true" the MCPTT user is allowed to transmit in case of override (overriding and/or overridden).

When set to "false" the MCPTT user is not allowed to transmit in case of override (overriding and/or overridden).

5.2.56 /<*x*>/<*x*>/OffNetwork/EmergencyCallChange

Table 5.2.56.1: /<*x*>/<x>/OffNetwork/EmergencyCallChange

<x>/OffNetwork/EmergencyCallChange

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorization for a participant to change an off-network group call in-progress to an off-network MCPTT emergency group call.

When set to "true" the MCPTT user is authorised to change an MCPTT emergency group call.

When set to "false" the MCPTT user is not authorised to change an MCPTT emergency group call.

5.2.57 /<*x*>/<*x*>/OffNetwork/ImminentPerilCallChange

Table 5.2.57.1: /<*x*>/<x>/OffNetwork/ImminentPerilCallChange

<x>/OffNetwork/ImminentPerilCallChange

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the authorization for a participant to change an off-network group call in-progress to an off-network MCPTT imminent peril group call.

When set to "true" the MCPTT user is authorised to change an MCPTT imminent peril group call.

When set to "false" the MCPTT user is not authorised to change an MCPTT imminent peril group call.

5.2.58 /<*x*>/<*x*>/OffNetwork/UserInfoID

Table 5.2.58.1: /<*x*>/<*x*>/OffNetwork/UserInfoID

<x>/OffNetwork/UserInfoID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the ProSe user info ID as specified in 3GPP TS 23.303 [6].

5.2.59 /<*x*>/Status

Table 5.2.59.1: /<*x*>/Status

Status

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates the authorisation to create, amend, delete, and suspend MCPTT user profiles.

When set to "true" the MCPTT user is allowed to create, amend, delete, and suspend MCPTT user profiles.

When set to "false" the MCPTT user is not allowed to create, amend, delete, and suspend MCPTT user profiles.

6 MCPTT group configuration MO

6.1 General

The MCPTT group configuration Management Object (MO) is used to configure the MCPTT Client behaviour for the on-network or off-network MCPTT Service. The MCPTT group configuration parameters may be stored in the ME, or in the USIM as specified in 3GPP TS 31.102 [10], or in both the ME and the USIM. If both the ME and the USIM contain the same parameters, the values stored in the USIM shall take precedence.

The Management Object Identifier is: urn:oma:mo:ext-3gpp-MCPTT-group-configuration:1.0.

Protocol compatibility: This MO is compatible with OMA OMA DM 1.2 [3].

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT group configuration MO.

The following nodes and leaf objects are possible under the MCPTT group configuration node as described in figure 6.1.1:

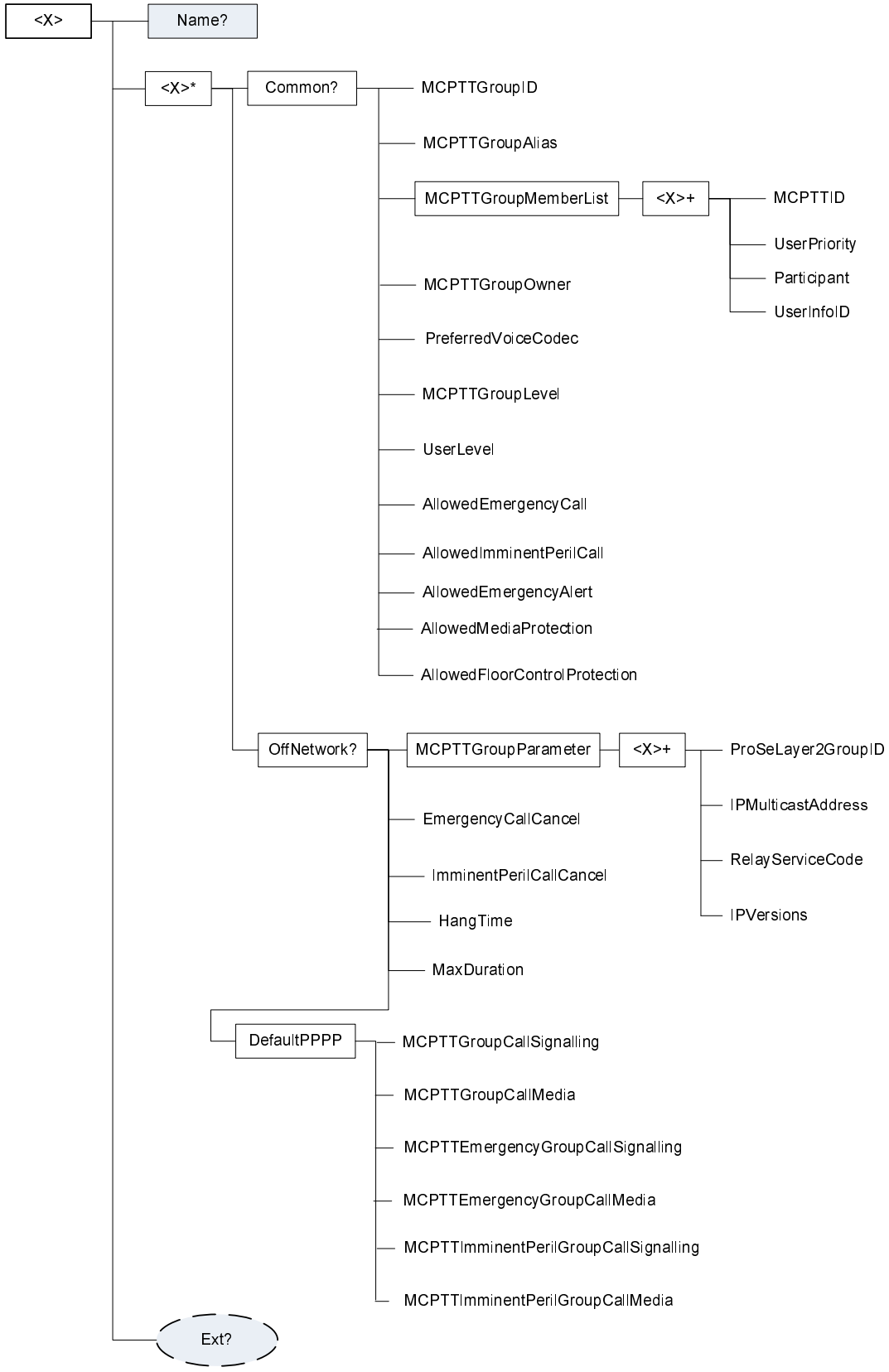

Figure 6.1.1: The MCPTT group configuration MO

6.2 MCPTT group configuration MO parameters

6.2.1 General

This clause describes the parameters for the MCPTT group configuration Management Object (MO).

6.2.2 Node: <*x*>

Table 6.2.2.1: Node: <*x*>

<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node acts as a placeholder for the MCPTT group configuration Management Object (MO).

For the MCPTT group configuration MO, the namespace specific string is: "urn:oma:mo:oma-dm-mcptt-group configuration:1.0"

- Values: N/A

6.2.3 /<*x*>/Name

Table 6.2.3.1: Node: <*x*>

Name

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	chr	Get

The Name leaf is a name for the MCPTT group configuration settings.

- Values: <User displayable name>

6.2.4 /<*x*>/Ext/

Table 6.2.4.1: /<*x*>/Ext/

Ext

Status	Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get, Replace

The Ext is an interior node for where the vendor specific information about the MCPTT group configuration MO is being placed.

Usually the vendor extension is identified by vendor specific name under the ext node and contains the vendor meaning application vendor, device vendor etc. The tree structure under the vendor identified is not defined and can therefore include one or more un-standardized sub-trees.

- Values: N/A

6.2.5 /<*x*>/<x>

Table 6.2.5.1: /<*x*>/<x>

<x>

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrMore	node	Get, Replace

This interior node represents a container for the common network operation which means both on-network operation and off-network operation.

6.2.6 /<x>/<x>/Common

Table 6.2.6.1: /<x>/<x>/Common

<x>/Common

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the common network operation which means both on-network operation and off-network operation.

6.2.7 /<x>/<x>/Common/MCPTTGroupID

Table 6.2.7.1: /<x>/<x>/Common/MCPTTGroupID

<x>/Common/MCPTTGroupID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the MCPTT group ID.

The value is a "uri" attribute specified in OMA OMA-TS-XDM_Group-V1_1 [4].

6.2.8 /<x>/<x>/Common/MCPTTGroupAlias

Table 6.2.8.1: /<x>/<x>/Common/MCPTTGroupAlias

<x>/Common/MCPTTGroupAlias

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the group alias.

The value is a <display-name> element specified in OMA OMA-TS-XDM_Group-V1_1 [4].

6.2.9 /<x>/<x>/Common/MCPTTGroupMemberList

Table 6.2.9.1: /<x>/<x>/Common/MCPTTGroupMemberList

<x>/Common/MCPTTGroupMemberList

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for a list of group members (group membership information).

6.2.10 /<x>/<x>/Common/MCPTTGroupMemberList/<x>

Table 6.2.10.1: /<x>/<x>/Common/MCPTTGroupMemberList/<x>

<x>/Common/MCPTTGroupMemberList/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more list(s) of group members.

6.2.11 /<x>/<x>/Common/MCPTTGroupMemberList/<x>/MCPTTID

Table 6.2.11.1: /<x>/<x>/Common/MCPTTGroupMemberList/<x>/MCPTTID

<x>/Common/MCPTTGroupMemberList/<x>/MCPTTID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates an MCPTT user identity (MCPTT ID) which is a globally unique identifier within the MCPTT service that represents the MCPTT user.

The value is a "uri" attribute specified in OMA OMA-TS-XDM_Group-V1_1 [4].

6.2.12 /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/UserPriority

Table 6.2.12.1: /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/UserPriority

<x>/Common/MCPTTGroupMemberList/<x>/UserPriority

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the user priority for the group.

The value is a <user-priority> element specified in 3GPP TS 24.381 [9] subclause 7.2.4.2.

6.2.13 /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/ParticipantType

Table 6.2.13.1: /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/ParticipantType

<x>/Common/MCPTTGroupMemberList/<x>/ParticpantType

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the participant type for the group.

The ParticpantType values are defined and configured by the Mission Critical Organisation (e.g.first responder, second responder, dispatcher, dispatch supervisor, MCPTT administrator).

6.2.14 /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/UserInfoID

Table 6.2.14.1: /<*x*>/<x>/Common/MCPTTGroupMemberList/<x>/UserInfoID

<x>/Common/MCPTTGroupMemberList/<x>/UserInfoID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the ProSe user info ID as specified in 3GPP TS 23.303 [6].

6.2.15 /<*x*>/<x>/Common/MCPTTGroupOwner

Table 6.2.15.1: /<*x*>/<x>/Common/MCPTTGroupOwner

<x>/Common/MCPTTGroupOwner

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the group"s owner (Mission Critical Organisation).

6.2.16 /<*x*>/<x>/Common/PreferredVoiceCodec

Table 6.2.16.1: /<*x*>/<x>/Common/PreferredVoiceCodec

<x>/Common/PreferredVoiceCodec

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the preferred voice codec for an MCPTT group.

The value of the preferred voice codec is a RTP payload format name specified in IETF RFC 4566 [13].

6.2.17 /<*x*>/<x>/Common/MCPTTGroupLevel

Table 6.2.17.1: /<*x*>/<x>/Common/MCPTTGroupLevel

<x>/Common/MCPTTGroupLevel

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the level within a group hierarchy (only applicable for group-broadcast group).

- Values: 0-255

The group-broadcast group with the lowest MCPTTGroupLevel value shall be considered as the group-broadcast group having the lowest level among the groups.

6.2.18 /<*x*>/<x>/Common/UserLevel

Table 6.2.18.1: /<*x*>/<x>/Common/UserLevel

<x>/Common/UserLevel

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the level within user hierarchy (only applicable for user-broadcast group).

The user-broadcast group with the lowest UserLevel value shall be considered as the user-broadcast group having the lowest level among the groups.

6.2.19 /<*x*>/<x>/Common/AllowedEmergencyCall

Table 6.2.19.1: /<*x*>/<x>/Common/AllowedEmergencyCall

<x>/Common/AllowedEmergencyCall

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether an MCPTT emergency group call is permitted on the MCPTT group.

When set to "true" the MCPTT emergency group call is allowed on the group.

When set to "false" the MCPTT emergency group call is not allowed on the group.

6.2.20 /<*x*>/<x>/Common/AllowedImminentPerilCall

Table 6.2.20.1: /<*x*>/<x>/Common/AllowedImminentPerilCall

<x>/Common/AllowedImminentPerilCall

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This interior node indicates whether an MCPTT imminent peril group call is permitted on the MCPTT group.

When set to "true" the MCPTT imminent peril group call is allowed on the group.

When set to "false" the MCPTT imminent peril group call is not allowed on the group.

6.2.21 /<x>/<x>/Common/AllowedEmergencyAlert

Table 6.2.21.1: /<x>/<x>/Common/AllowedEmergencyAlert

<x>/Common/AllowedEmergencyAlert

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether an MCPTT emergency alert is possible on the MCPTT group.

When set to "true" the MCPTT emergency alert is allowed on the group.

When set to "false" the MCPTT emergency alert is not allowed on the group.

6.2.22 /<x>/<x>/Common/AllowedMediaProtection

Table 6.2.22.1: /<x>/<x>/Common/AllowedMediaProtection

<x>/Common/AllowedMediaProtection

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether confidentiality and integrity of media is permitted on the MCPTT group.

When set to "true" confidentiality and integrity of media is allowed on the group.

When set to "false" confidentiality and integrity of media is not allowed on the group.

The default value is set to "true".

6.2.23 /<x>/<x>/Common/AllowedFloorControlProtection

Table 6.2.23.1: /<x>/<x>/Common/AllowedFloorControlProtection

<x>/Common/AllowedFloorControlProtection

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This interior node indicates whether confidentiality and integrity of floor control signalling is permitted on the MCPTT group.

When set to "true" confidentiality and integrity of floor control signalling is allowed on the group.

When set to "false" confidentiality and integrity of floor control signalling is not allowed on the group.

The default value is set to "true".

6.2.24 /<x>/<x>/OffNetwork

Table 6.2.24.1: /<x>/<x>/OffNetwork

<x>/OffNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for off-network operation.

6.2.25 /<x>/<x>/OffNetwork/MCPTTGroupParameter

Table 6.2.25.1: /<x>/<x>/OffNetwork/MCPTTGroupParameter

<x>/OffNetwork/MCPTTGroupParameter

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the group parameters.

6.2.26 /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>

Table 6.2.26.1: /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>

<x>/OffNetwork/MCPTTGroupParameter/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get, Replace

This interior node is a placeholder for one or more group parameters.

6.2.27 /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/ProSeLayer2GroupID

Table 6.2.27.1: /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/ProSeLayer2GroupID

<x>/OffNetwork/MCPTTGroupParameter/<x>/ProSeLayer2GroupID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the Prose layer-2 group ID as specified in 3GPP TS 23.303 [6].

The value of a ProSe layer-2 group ID is used as the discovery group ID in ProSe discovery procedures as specified in 3GPP TS 23.303 [6].

6.2.28 /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/IPMulticastAddress

Table 6.2.28.1: /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/IPMulticastAddress

<x>/OffNetwork/MCPTTGroupParameter/<x>/IPMulticastAddress

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the ProSe group IP multicast address as specified in 3GPP TS 23.303 [6].

The value is an IPv4 address or an IPv6 address.

6.2.29 /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/RelayServiceCode

Table 6.2.29.1: /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/RelayServiceCode

<x>/OffNetwork/MCPTTGroupParameter/<x>/RelayServiceCode

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the connectivity service that the ProSe UE-to-network relay provides to public safety applications as specified in 3GPP TS 23.303 [6].

6.2.30 /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/IPVersions

Table 6.2.30.1: /<*x*>/<x>/OffNetwork/MCPTTGroupParameter/<x>/IPVersions

<x>/OffNetwork/MCPTTGroupParameter/<x>/IPVersions

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates whether IPv4 or IPv6 is used for the MCPTT group as specified in 3GPP TS 23.303 [6].

The value is "IPv4" or "IPv6".

6.2.31 /<*x*>/<x>/OffNetwork/EmergencyCallCancel

Table 6.2.31.1: /<*x*>/<x>/OffNetwork/EmergencyCallCancel

<x>/OffNetwork/EmergencyCallCancel

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timeout value for the cancellation of an in progress emergency for an MCPTT group call.

- Values: 0-255

The EmergencyCallCancel time is in seconds.

6.2.32 /<*x*>/<x>/OffNetwork/ImminentPerilCallCancel

Table 6.2.32.1: /<*x*>/<x>/OffNetwork/ImminentPerilCallCancel

<x>/OffNetwork/ImminentPerilCallCancel

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timeout value for the cancellation of an in progress MCPTT imminent peril group call.

- Values: 0-255

The ImminentPerilCallCancel time is in seconds.

6.2.33 /<*x*>/<x>/OffNetwork/HangTime

Table 6.2.33.1: /<*x*>/<x>/OffNetwork/HangTime

<x>/OffNetwork/HangTime

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the group call hang timer.

- Values: 0-255

The HangTime is in seconds.

6.2.34 /<x>/<x>/OffNetwork/MaxDuration

Table 6.2.34.1: /<x>/<x>/OffNetwork/MaxDuration

<x>/OffNetwork/MaxDuration

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the max duration of group calls.

- Values: 0-255

The MaxDuration time is in seconds.

6.2.35 /<x>/<x>/OffNetwork/DefaultPPPP

Table 6.2.35.1: /<x>/<x>/OffNetwork/DefaultPPPP

<x>/OffNetwork/DefaultPPPP

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the default ProSe Per-Packet Priority (PPPP) configuration.

6.2.36 /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallSignalling

Table 6.2.36.1: /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallSignalling

<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallSignalling

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT group call signalling.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

6.2.37 /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallMedia

Table 6.2.37.1: /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallMedia

<x>/OffNetwork/DefaultPPPP/MCPTTGroupCallMedia

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT group call media.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

6.2.38 /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallSignalling

Table 6.2.38.1: /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallSignalling

<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallSignalling

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT emerency group call signalling.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

6.2.39 /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallMedia

Table 6.2.39.1: /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallMedia

<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyGroupCallMedia

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT emerency group call media.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

6.2.40 /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallSignalling

Table 6.2.40.1: /<*x*>/<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallSignalling

<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallSignalling

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT imminent peril group call signalling.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

6.2.41 /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallMedia

Table 6.2.41.1: /<x>/<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallMedia

<x>/OffNetwork/DefaultPPPP/MCPTTImminentPerilGroupCallMedia

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT imminent peril group call media.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

7 MCPTT service configuration MO

7.1 General

The MCPTT service configuration Management Object (MO) is used to configure MCPTT Client behaviour for the on-network or off-network MCPTT Service. The MCPTT service configuration parameters may be stored in the ME, or in the USIM as specified in 3GPP TS 31.102 [10], or in both the ME and the USIM. If both the ME and the USIM contain the same parameters, the values stored in the USIM shall take precedence.

The Management Object Identifier is: urn:oma:mo:ext-3gpp-MCPTT-service-configuration:1.0.

Protocol compatibility: This MO is compatible with OMA OMA DM 1.2 [3].

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT service configuration MO.

The following nodes and leaf objects are possible under the MCPTT service configuration node as described in figure 7.1.1:

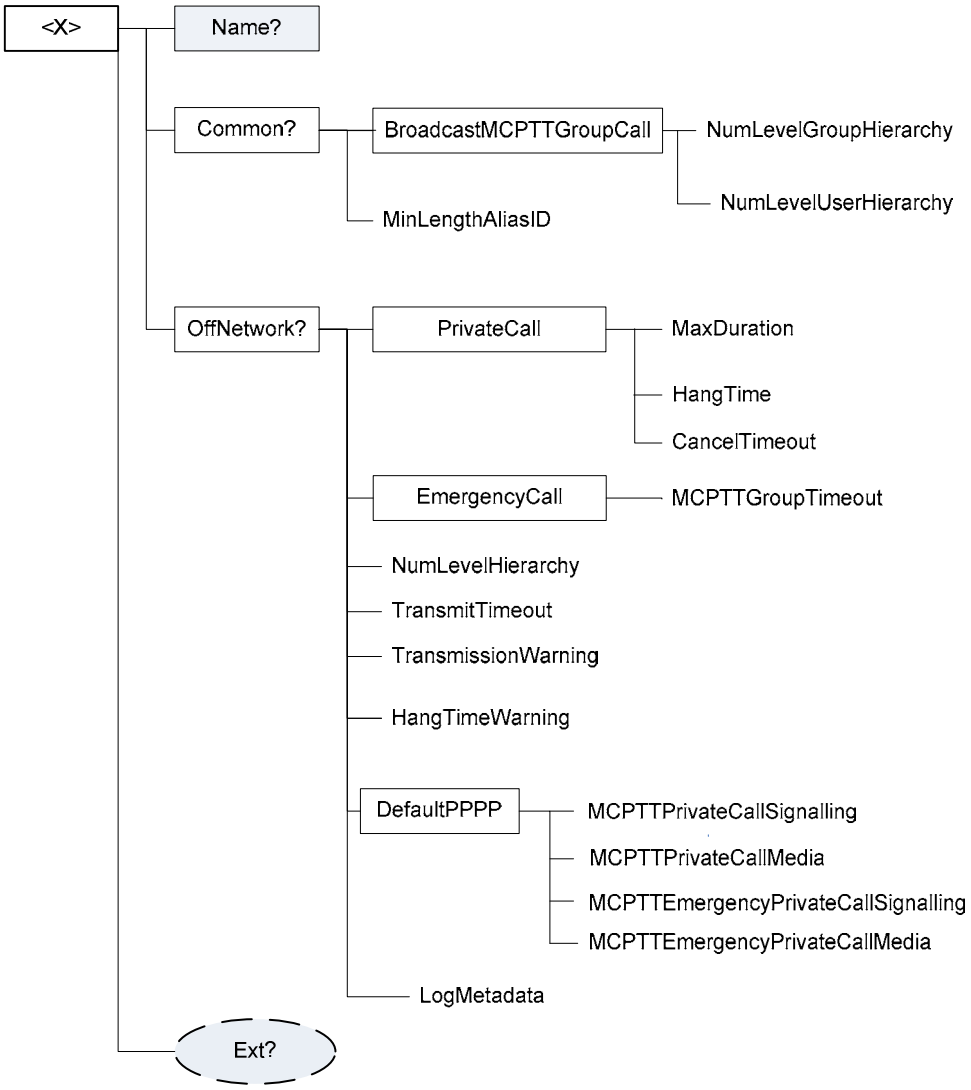

Figure 7.1.1: The MCPTT service configuration MO

7.2 MCPTT service configuration MO parameters

7.2.1 General

This clause describes the parameters for the MCPTT service configuration Management Object (MO).

7.2.2 Node: <*x*>

Table 7.2.2.1: Node: <*x*>

<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node acts as a placeholder for the MCPTT service configuration Management Object (MO).

For the MCPTT service configuration MO, the namespace specific string is: "urn:oma:mo:oma-dm-mcptt-service configuration:1.0"

- Values: N/A

7.2.3 /<x>/Name

Table 7.2.3.1: /<x>/Name

Name

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	chr	Get

The Name leaf is a name for the MCPTT service configuration settings.

- Values: <User displayable name>

7.2.4 /<x>/Ext/

Table 7.2.4.1: /<x>/Ext/

Ext

Status	Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get, Replace

The Ext is an interior node for where the vendor specific information about the MCPTT service configuration MO is being placed.

Usually the vendor extension is identified by vendor specific name under the ext node and contains the vendor meaning application vendor, device vendor etc. The tree structure under the vendor identified is not defined and can therefore include one or more un-standardized sub-trees.

- Values: N/A

7.2.5 /<x>/Common

Table 7.2.5.1: /<x>/Common

Common

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the common network operation which means both on-network operation and off-network operation.

7.2.6 /<x>/Common/BroadcastMCPTTGroupCall

Table 7.2.6.1: /<x>/Common/BroadcastMCPTTGroupCall

Common/BroadcastMCPTTGroupCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for Broadcast MCPTT Group Call configuration.

7.2.7 /<x>/Common/BroadcastMCPTTGroupCall/NumLevelGroupHierarchy

Table 7.2.7.1: /<x>/Common/BroadcastMCPTTGroupCall/NumLevelGroupHierarchy

Common/BroadcastMCPTTGroupCall/NumLevelGroupHierarchy

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the number of levels of group hierarchy for group-broadcast groups.

- Values: 0-255

The group-broadcast group with the lowest NumLevelGroupHierarchy value shall be considered as the group-broadcast group having the lowest level among the groups.

7.2.8 /<x>/Common/BroadcastMCPTTGroupCall/NumLevelUserHierarchy

Table 7.2.8.1: /<x>/Common/BroadcastMCPTTGroupCall/NumLevelUserHierarchy

Common/BroadcastMCPTTGroupCall/NumLevelUserHierarchy

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the number of levels of user hierarchy for user-broadcast groups.

- Values: 0-255

The user-broadcast group with the lowest NumLevelUserHierarchy value shall be considered as the user-broadcast group the lowest level among the groups.

7.2.9 /<x>/Common/MinLengthAliasID

Table 7.2.9.1: /<x>/Common/MinLengthAliasID

Common/MinLengthAliasID

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates minimum length of an alphanumeric identifier (i.e., alias) assigned by an MCPTT administrator.

- Values: 0-255

7.2.10 /<x>/OffNetwork

Table 7.2.10.1: /<x>/OffNetwork

OffNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for off-network operation.

7.2.11 /<x>/OffNetwork/PrivateCall

Table 7.2.11.1: /<x>/OffNetwork/PrivateCall

OffNetwork/PrivateCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for private call configuration.

7.2.12 /<x>/OffNetwork/PrivateCall/MaxDuration

Table 7.2.12.1: /<x>/OffNetwork/PrivateCall/MaxDuration

OffNetwork/PrivateCall/MaxDuration

Status	Occurrence	Format	Min. Access Types

Required	One	int	Get, Replace

This leaf node indicates max private call (with floor control) duration.

- Values: 0-255

The MaxDuration time is in seconds.

7.2.13 /<*x*>/OffNetwork/PrivateCall/HangTime

Table 7.2.13.1: /<*x*>/OffNetwork/PrivateCall/HangTime

OffNetwork/PrivateCall/HangTime

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates hang timer for private calls (with floor control).

- Values: 0-255

The HangTime is in seconds.

7.2.14 /<*x*>/OffNetwork/PrivateCall/CancelTimeout

Table 7.2.14.1: /<*x*>/OffNetwork/PrivateCall/CancelTimeout

OffNetwork/PrivateCall/CancelTimeout

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates timeout value for the cancellation of an in progress emergency for an MCPTT private call.

- Values: 0-255

The CancelTimeout is in seconds.

7.2.15 /<*x*>/OffNetwork/EmergencyCall

Table 7.2.15.1: /<*x*>/OffNetwork/EmergencyCall

OffNetwork/EmergencyCall

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node indicates a placeholder for the MCPTT emergency call policy.

7.2.16 /<*x*>/OffNetwork/EmergencyCall/MCPTTGroupTimeout

Table 7.2.16.1: /<*x*>/OffNetwork/EmergencyCall/MCPTTGroupTimeout

OffNetwork/EmergencyCall/MCPTTGroupTimeout

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates time limit for an in progress MCPTT emergency call related to an MCPTT group.

- Values: 0-255

The GroupTimeout is in seconds.

7.2.17 /<x>/OffNetwork/NumLevelHierarchy

Table 7.2.17.1: /<x>/OffNetwork/NumLevelHierarchy

OffNetwork/NumLevelHierarchy

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the number of levels of hierarchy for floor control override in off-network.

- Values: 1-4

The request with the lowest NumLevelHierarchy value shall be considered as the request having the lowest priority level given to override an active transmission among the requests.

7.2.18 /<x>/OffNetwork/TransmitTimeout

Table 7.2.18.1: /<x>/OffNetwork/TransmitTimeout

OffNetwork/TransmitTimeout

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates transmit time limit from a single request to transmit in a group or private call.

- Values: 0-255

The TransmitTimeout is in seconds.

7.2.19 /<x>/OffNetwork/TransmissionWarning

Table 7.2.19.1: /<x>/OffNetwork/TransmissionWarning

OffNetwork/TransmissionWarning

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates configuration of warning time before time limit of transmission is reached (off-network).

- Values: 0-255

The TransmissionWarning time is in seconds.

7.2.20 /<x>/OffNetwork/HangTimeWarning

Table 7.2.20.1: /<x>/OffNetwork/HangTimeWarning

OffNetwork/HangTimeWarning

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates configuration of warning time before hang time is reached (off-network).

- Values: 0-255

The HangTimeWarning time is in seconds.

7.2.21 /<x>/OffNetwork/DefaultPPPP

Table 7.2.21.1: /<x>/OffNetwork/DefaultPPPP

OffNetwork/DefaultPPPP

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the default ProSe Per-Packet Priority (PPPP) configuration.

7.2.22 /<x>/OffNetwork/DefaultPPPP/MCPTTPrivateCallSignalling

Table 7.2.22.1: /<x>/OffNetwork/DefaultPPPP/MCPTTPrivateCallSignalling

OffNetwork/DefaultPPPP/MCPTTPrivateCallSignalling

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT private call signalling.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

7.2.23 /<x>/OffNetwork/DefaultPPPP/MCPTTPrivateCallMedia

Table 7.2.23.1: /<x>/OffNetwork/DefaultPPPP/MCPTTPrivateCallMedia

OffNetwork/DefaultPPPP/MCPTTPrivateCallMedia

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT private call media.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

7.2.24 /<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallSignalling

Table 7.2.24.1: /<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallSignalling

OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallSignalling

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT emerency private call signalling.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

7.2.25 /<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallMedia

Table 7.2.25.1: /<x>/OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallMedia

OffNetwork/DefaultPPPP/MCPTTEmergencyPrivateCallMedia

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the default ProSe Per-Packet Priority (PPPP) value (as specified in 3GPP TS 23.303 [6]) for the MCPTT emerency private call media.

- Values: 1-8

The MCPTT user data with the lowest ProSe Per-Packet Priority value shall be considered as the MCPTT user data having the highest priority among the MCPTT user data.

7.2.26 /<x>/OffNetwork/LogMetadata

Table 7.2.26.1: /<x>/OffNetwork/LogMetadata

OffNetwork/LogMetadata

Status	Occurrence	Format	Min. Access Types
Required	One	bool	Get, Replace

This leaf node indicates whether an MCPTT emergency group call is permitted on the MCPTT group.

When set to "true" logging of metadata for MCPTT group calls, MCPTT private calls and non-call activities, is enabled.

When set to "false" logging of metadata for MCPTT group calls, MCPTT private calls and non-call activities, is not enabled.

8 MCPTT UE initial configuration MO

8.1 General

The MCPTT UE initial configuration Management Object (MO) is used to configure the MCPTT Client behaviour for the on-network or off-network MCPTT Service. The MCPTT UE initial configuration parameters may be stored in the ME, or in the USIM as specified in 3GPP TS 31.102 [10], or in both the ME and the USIM. If both the ME and the USIM contain the same parameters, the values stored in the USIM shall take precedence.

The Management Object Identifier is: urn:oma:mo:ext-3gpp-MCPTT-UE-initial-configuration:1.0.

Protocol compatibility: This MO is compatible with OMA OMA DM 1.2 [3].

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT user profile MO.

The following nodes and leaf objects are possible under the MCPTT node as described in figure 8.1.1, figure 8.1.2, figure 8.1.3 and figure 8.1.4:

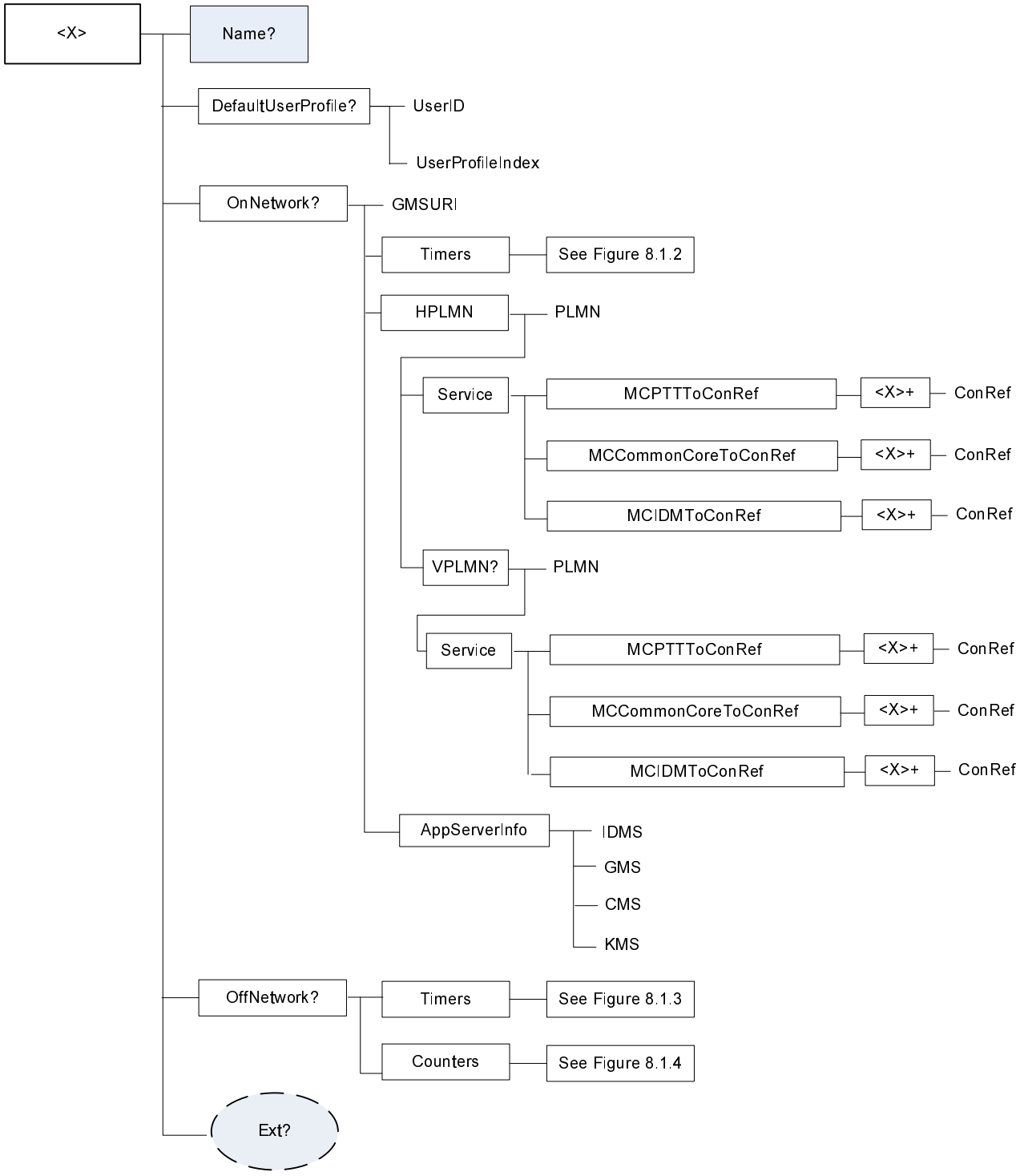

Figure 8.1.1: The MCPTT UE initial configuration MO (1 of 4)

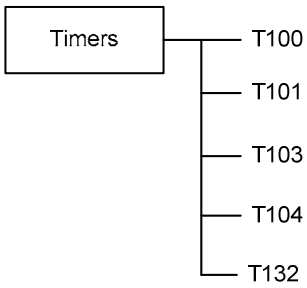

Figure 8.1.2: The MCPTT UE initial configuration MO (2 of 4)

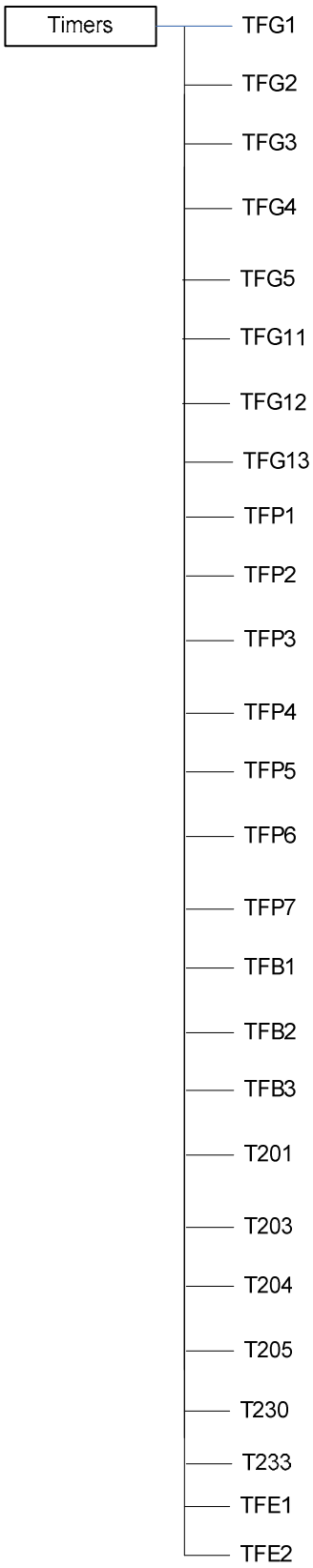

Figure 8.1.3: The MCPTT UE initial configuration MO (3 of 4)

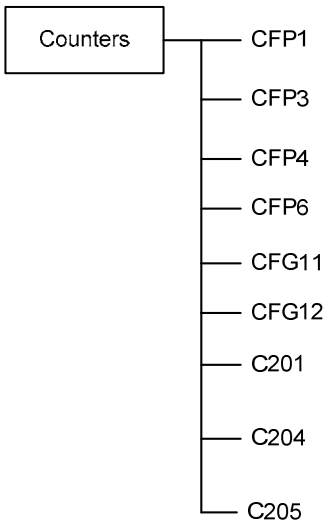

Figure 8.1.4: The MCPTT UE initial configuration MO (4 of 4)

8.2 MCPTT UE initial configuration MO parameters

8.2.1 General

This clause describes the parameters for the MCPTT UE initial configuration Management Object (MO).

8.2.2 Node: <*x*>

Table 8.2.2.1: Node: <*x*>

<x>

Status	Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node acts as a placeholder for the MCPTT UE initial configuration Management Object (MO).

For the MCPTT UE initial configuration MO, the namespace specific string is: "urn:oma:mo:oma-dm-mcptt-ue-initial-configuration:1.0"

- Values: N/A

8.2.3 /<*x*>/Name

Table 8.2.3.1: /<*x*>/Name

Name

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	chr	Get

The Name leaf is a name for the MCPTT UE initial configuration settings.

- Values: <User displayable name>

8.2.4 /<*x*>/Ext/

Table 8.2.4.1: /<*x*>/Ext/

Ext

Status	Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get, Replace

The Ext is an interior node for where the vendor specific information about the MCPTT UE initial configuration MO is being placed.

Usually the vendor extension is identified by vendor specific name under the ext node and contains the vendor meaning application vendor, device vendor etc. The tree structure under the vendor identified is not defined and can therefore include one or more un-standardized sub-trees.

- Values: N/A

8.2.5 /<*x*>/DefaultUserProfile

Table 8.2.5.1: /<*x*>/Ext/DefaultUserProfile

DefaultUserProfile

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the default user profile.

The DefaultUserProfile nodes are the same MCPTT user profile nodes defined in MCPTT user profile MO with a default MCPTT user ID.

8.2.6 /<*x*>/DefaultUserProfile/UserID

Table 8.2.6.1: /<*x*>/Ext/DefaultUserProfile/UserID

DefaultUserProfile/UserID

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates a default MCPTT user identity.

8.2.7 /<*x*>/DefaultUserProfile/UserProfileIndex

Table 8.2.7.1: /<*x*>/Ext/DefaultUserProfile/UserProfileIndex

DefaultUserProfile/UserProfileIndex

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This interior node represents an indicator for the particular user profile.

- Values: 0-255

8.2.8 /<*x*>/OnNetwork

Table 8.2.8.1: /<x>/OffNetwork

OnNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for on-network operation.

8.2.9 /<*x*>/OnNetwork/GMSURI

Table 8.2.9.1: <x>/OnNetwork/GMSURI

OnNetwork/GMSURI

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the group management service URI information to enable hiding of MCPTT ID (or MCPTT group ID).

The value is a URI as specified in 3GPP TS 23.003 [5].

8.2.10 /<*x*>/OnNetwork/Timers

Table 8.2.10.1: /<*x*>/OnNetwork/Timers

OnNetwork/Timers

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for timer configuration.

8.2.11 /<*x*>/OnNetwork/Timers/T100

Table 8.2.11.1: /<*x*>/OnNetwork/Timers/T100

OnNetwork/Timers/T100

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor release as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The T100 is in seconds.

8.2.12 /<*x*>/OnNetwork/Timers/T101

Table 8.2.12.1: /<*x*>/OnNetwork/Timers/T101

OnNetwork/Timers/T101

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T101 is in seconds.

8.2.13 /<*x*>/OnNetwork/Timers/T103

Table 8.2.13.1: /<*x*>/OnNetwork/Timers/T103

OnNetwork/Timers/T103

Status	Occurrence	Format	Min. Access Types

Required	One	int	Get, Replace

This leaf node indicates the timer for end of RTP media as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T103 is in seconds.

8.2.14 /<*x*>/OnNetwork/Timers/T104

Table 8.2.14.1: /<*x*>/OnNetwork/Timers/T104

OnNetwork/Timers/T104

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor queue position request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T104 is in seconds.

8.2.15 /<*x*>/OnNetwork/Timers/T132

Table 8.2.15.1: /<*x*>/OnNetwork/Timers/T132

OnNetwork/Timers/T132

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for queued request granted MCPTT user action as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T132 is in seconds.

8.2.16 /<*x*>/OnNetwork/HPLMN

Table 8.2.16.1: /<*x*>/OnNetwork/HPLMN

OnNetwork/HPLMN

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the HPLMN configuration.

8.2.17 /<*x*>/OnNetwork/HPLMN/PLMN

Table 8.2.17.1: /<*x*>/OnNetwork/HPLMN/PLMN

OnNetwork/HPLMN/PLMN

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This interior node indicates the HPLMN code.

- Values: <PLMN>

The format of the PLMN is defined by 3GPP TS 23.003 [5].

8.2.18 /<*x*>/OnNetwork/HPLMN/Service

Table 8.2.18.1: /<*x*>/OnNetwork/HPLMN/Service

OnNetwork/HPLMN/Service

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This interior node indicates the MCPTT related services on a per HPLMN basis.

8.2.19 /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef

Table 8.2.19.1: /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef

OnNetwork/HPLMN/Service/MCPTTToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains the configuration parameters for establishment of the PDN connection for the MCPTT service on a per HPLMN basis.

8.2.20 /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef/<x>

Table 8.2.20.1: /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef/<x>

OnNetwork/HPLMN/Service/MCPTTToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per HPLMN basis.

8.2.21 /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef/<x>/ConRef

Table 8.2.21.1: /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef/<x>/ConRef

OnNetwork/HPLMN/Service/MCPTTToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per HPLMN basis.

- Values: <A network access point object>

8.2.22 /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef

Table 8.2.22.1: /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef

OnNetwork/HPLMN/Service/MCCommonCoreToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains the configuration parameters for establishment of the PDN connection for the MC common core service on a per HPLMN basis.

8.2.23 /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>

Table 8.2.23.1: /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>

OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per HPLMN basis.

8.2.24 /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

Table 8.2.24.1: /<*x*>/OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

OnNetwork/HPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per HPLMN basis.

- Values: <A network access point object>

8.2.25 /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef

Table 8.2.25.1: /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef

OnNetwork/HPLMN/Service/MCIDMToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains the configuration parameters for establishment of the PDN connection for the MC identity management service on a per HPLMN basis.

8.2.26 /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef/<x>

Table 8.2.26.1: /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef/<x>

OnNetwork/HPLMN/Service/MCIDMToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per HPLMN basis.

8.2.27 /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef/<x>/ConRef

Table 8.2.27.1: /<*x*>/OnNetwork/HPLMN/Service/MCIDMToConRef/<x>/ConRef

OnNetwork/HPLMN/Service/MCIDMToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per HPLMN basis.

- Values: <A network access point object>

8.2.28 /<*x*>/OnNetwork/HPLMN/VPLMN

Table 8.2.28.1: /<*x*>/OnNetwork/HPLMN/VPLMN

OnNetwork/HPLMN/VPLMN

Status	Occurrence	Format	Min. Access Types

Optional	ZeroOrOne	chr	Get, Replace

This interior node is a placeholder a placeholder for the VPLMN configuration.

8.2.29 /<*x*>/OnNetwork/HPLMN/VPLMN/PLMN

Table 8.2.29.1: /<*x*>/OnNetwork/HPLMN/VPLMN/PLMN

OnNetwork/HPLMN/VPLMN/PLMN

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the VPLMN code.

- Values: <PLMN>

The format of the PLMN is defined by 3GPP TS 23.003 [5].

8.2.30 /<*x*>/OnNetwork/HPLMN/VPLMN/Service

Table 8.2.30.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service

OnNetwork/HPLMN/VPLMN/Service

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This interior node indicates the MCPTT related services on a per VPLMN and HPLMN basis.

8.2.31 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef

Table 8.2.31.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef

OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains the configuration parameters for establishment of the PDN connection for the MCPTT service on a per VPLMN and HPLMN basis.

8.2.32 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef/<x>

Table 8.2.32.1: /<*x*>/OnNetwork/HPLMN/Service/MCPTTToConRef/<x>

OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per VPLMN and HPLMN basis.

8.2.33 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef/<x>/ConRef

Table 8.2.33.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef/<x>/ConRef

OnNetwork/HPLMN/VPLMN/Service/MCPTTToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per VPLMN and HPLMN basis.

- Values: <A network access point object>

8.2.34 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef

Table 8.2.34.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef

OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains the configuration parameters for establishment of the PDN connection for the MC common core service on a per VPLMN and HPLMN basis.

8.2.35 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>

Table 8.2.35.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>

OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per VPLMN and HPLMN basis.

8.2.36 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

Table 8.2.36.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

OnNetwork/HPLMN/VPLMN/Service/MCCommonCoreToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per VPLMN and HPLMN basis.

- Values: <A network access point object>

8.2.37 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef

Table 8.2.37.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef

OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node contains te configuration parameters for establishment of the PDN connection for the MC identity management service on a per VPLMN and HPLMN basis.

8.2.38 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>

Table 8.2.38.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>

OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>

Status	Occurrence	Format	Min. Access Types
Required	OneorMore	node	Get, Replace

This run-time node acts as a placeholder for each reference to the connectivity parameters on a per VPLMN and HPLMN basis.

8.2.39 /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>/ConRef

Table 8.2.39.1: /<*x*>/OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>/ConRef

OnNetwork/HPLMN/VPLMN/Service/MCIDMToConRef/<x>/ConRef

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

The ConRef specifies a specific linkage to the connectivity parameters on a per VPLMN and HPLMN basis.

- Values: <A network access point object>

8.2.40 /<*x*>/OnNetwork/AppServerInfo

Table 8.2.40.1: /<*x*>/OnNetwork/AppServerInfo

OnNetwork/AppServerInfo

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the application plane server identity information configuration.

8.2.41 /<*x*>/OnNetwork/AppServerInfo/IDMS

Table 8.2.41.1: /<*x*>/OnNetwork/AppServerInfo/IDMS

OnNetwork/AppServerInfo/IDMS

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the identity management server identity information.

The value is a URI as specified in 3GPP TS 23.003 [5].

8.2.42 /<*x*>/OnNetwork/AppServerInfo/GMS

Table 8.2.42.1: /<*x*>/OnNetwork/AppServerInfo/GMS

OnNetwork/AppServerInfo/GMS

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the group management server identity information.

The value is a URI as specified in 3GPP TS 23.003 [5].

8.2.43 /<x>/OnNetwork/AppServerInfo/CMS

Table 8.2.43.1: /<x>/OnNetwork/AppServerInfo/CMS

OnNetwork/AppServerInfo/CMS

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates the configuration management server identity information.

The value is a URI as specified in 3GPP TS 23.003 [5].

8.2.44 /<x>/OnNetwork/AppServerInfo/KMS

Table 8.2.44.1: /<x>/OnNetwork/AppServerInfo/KMS

OnNetwork/AppServerInfo/KMS

Status	Occurrence	Format	Min. Access Types
Required	One	chr	Get, Replace

This leaf node indicates key management server identity information.

The value is a URI as specified in 3GPP TS 23.003 [5].

8.2.45 /<x>/OffNetwork

Table 8.2.45.1: /<x>/OffNetwork

OffNetwork

Status	Occurrence	Format	Min. Access Types
Required	ZeroOrOne	node	Get, Replace

This interior node represents a container for the off-network operation.

8.2.46 /<x>/OffNetwork/Timers

Table 8.2.46.1: /<x>/OffNetwork/Timers

OffNetwork/Timers

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the timer configuration.

8.2.47 /<x>/OffNetwork/Timers/TFG1

Table 8.2.47.1: /<x>/OffNetwork/Timers/TFG1

OffNetwork/Timers/TFG1

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for wait for call announcement as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFG1 is in milliseconds.

8.2.48 /<*x*>/OffNetwork/Timers/TFG2

Table 8.2.48.1: /<*x*>/OffNetwork/Timers/TFG2

OffNetwork/Timers/TFG2

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for call announcement as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFG2 is in milliseconds.

8.2.49 /<*x*>/OffNetwork/Timers/TFG3

Table 8.2.49.1: /<*x*>/OffNetwork/Timers/TFG3

OffNetwork/Timers/TFG3

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for call probe retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFG3 is in milliseconds.

8.2.50 /<*x*>/OffNetwork/Timers/TFG4

Table 8.2.50.1: /<*x*>/OffNetwork/Timers/TFG4

OffNetwork/Timers/TFG4

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for waiting for the MCPTT user as specified in 3GPP TS 24.379 [7].

- Values: 0-60

The timer TFG4 is in seconds.

8.2.51 /<*x*>/OffNetwork/Timers/TFG5

Table 8.2.51.1: /<*x*>/OffNetwork/Timers/TFG5

OffNetwork/Timers/TFG5

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for not present incoming call announcements as specified in 3GPP TS 24.379 [7].

- Values: 0-255

The timer TFG5 is in seconds.

8.2.52 /<x>/OffNetwork/Timers/TFG11

Table 8.2.52.1: /<x>/OffNetwork/Timers/TFG11

OffNetwork/Timers/TFG11

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for MCPTT emergency end retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

The timer TFG11 is in seconds.

8.2.53 /<x>/OffNetwork/Timers/TFG12

Table 8.2.53.1: /<x>/OffNetwork/Timers/TFG12

OffNetwork/Timers/TFG12

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for MCPTT imminent peril end retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

The timer TFG12 is in seconds.

8.2.54 /<x>/OffNetwork/Timers/TFG13

Table 8.2.54.1: /<x>/OffNetwork/Timers/TFG13

OffNetwork/Timers/TFG13

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for implicit priority downgrade as specified in 3GPP TS 24.379 [7].

- Values: 0-255

The timer TFG13 is in seconds.

8.2.55 /<x>/OffNetwork/Timers/TFP1

Table 8.2.55.1: /<x>/OffNetwork/Timers/TFP1

OffNetwork/Timers/TFP1

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for private call request retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFP1 is in milliseconds.

8.2.56 /<x>/OffNetwork/Timers/TFP2

Table 8.2.56.1: /<x>/OffNetwork/Timers/TFP2

OffNetwork/Timers/TFP2

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for waiting for call response message as specified in 3GPP TS 24.379 [7].

- Values: 0-60

The timer TFP2 is in seconds.

8.2.57 /<x>/OffNetwork/Timers/TFP3

Table 8.2.57.1: /<x>/OffNetwork/Timers/TFP3

OffNetwork/Timers/TFP3

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for private call release retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFP3 is in milliseconds.

8.2.58 /<x>/OffNetwork/Timers/TFP4

Table 8.2.58.1: /<x>/OffNetwork/Timers/TFP4

OffNetwork/Timers/TFP4

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for private call accept retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFP4 is in milliseconds.

8.2.59 /<x>/OffNetwork/Timers/TFP5

Table 8.2.59.1: /<x>/OffNetwork/Timers/TFP5

OffNetwork/Timers/TFP5

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for call release as specified in 3GPP TS 24.379 [7].

- Values: 0-600

The timer TFP5 is in seconds.

8.2.60 /<x>/OffNetwork/Timers/TFP6

Table 8.2.60.1: /<x>/OffNetwork/Timers/TFP6

OffNetwork/Timers/TFP6

Status	Occurrence	Format	Min. Access Types

Required	One	int	Get, Replace

This leaf node indicates the timer for MCPTT emergency private call cancel retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-65535

The timer TFP6 is in milliseconds.

8.2.61 /<*x*>/OffNetwork/Timers/TFP7

Table 8.2.61.1: /<*x*>/OffNetwork/Timers/TFP7

OffNetwork/Timers/TFP7

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for waiting for any message with same call identifier as specified in 3GPP TS 24.379 [7].

- Values: 0-255

The timer TFP7 is in seconds.

8.2.62 /<*x*>/OffNetwork/Timers/TFB1

Table 8.2.62.1: /<*x*>/OffNetwork/Timers/TFB1

OffNetwork/Timers/TFB1

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for max duration as specified in 3GPP TS 24.379 [7].

- Values: 0-600

The timer TFB1 is in seconds.

8.2.63 /<*x*>/OffNetwork/Timers/TFB2

Table 8.2.63.1: /<*x*>/OffNetwork/Timers/TFB2

OffNetwork/Timers/TFB2

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for broadcast retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-10

The timer TFB2 is in seconds.

8.2.64 /<*x*>/OffNetwork/Timers/TFB3

Table 8.2.64.1: /<*x*>/OffNetwork/Timers/TFB3

OffNetwork/Timers/TFB3

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for waiting for the MCPTT user as specified in 3GPP TS 24.379 [7].

- Values: 0-60

The timer TFB3 is in seconds.

8.2.65 /<x>/OffNetwork/Timers/T201

Table 8.2.65.1: /<x>/OffNetwork/Timers/T201

OffNetwork/Timers/T201

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T201 is in seconds.

8.2.66 /<x>/OffNetwork/Timers/T203

Table 8.2.66.1: /<x>/OffNetwork/Timers/T203

OffNetwork/Timers/T203

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for end of RTP media as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T203 is in seconds.

8.2.67 /<x>/OffNetwork/Timers/T204

Table 8.2.67.1: /<x>/OffNetwork/Timers/T204

OffNetwork/Timers/T204

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor queue position request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T204 is in seconds.

8.2.68 /<x>/OffNetwork/Timers/T205

Table 8.2.68.1: /<x>/OffNetwork/Timers/T205

OffNetwork/Timers/T205

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for floor granted request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T205 is in seconds.

8.2.69 /<x>/OffNetwork/Timers/T230

Table 8.2.69.1: /<x>/OffNetwork/Timers/T230

OffNetwork/Timers/T230

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for during silence as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T230 is in seconds.

8.2.70 /<x>/OffNetwork/Timers/T233

Table 8.2.70.1: /<x>/OffNetwork/Timers/T233

OffNetwork/Timers/T233

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for pending user action as specified in 3GPP TS 24.380 [8].

- Values: 0-255

The timer T233 is in seconds.

8.2.71 /<x>/OffNetwork/Timers/TFE1

Table 8.2.71.1: /<x>/OffNetwork/Timers/TFE1

OffNetwork/Timers/TFE1

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for MCPTT emergency alert as specified in 3GPP TS 24.379 [7].

- Values: 0-60

The timer TFE1 is in seconds.

8.2.72 /<x>/OffNetwork/Timers/TFE2

Table 8.2.72.1: /<x>/OffNetwork/Timers/TFE2

OffNetwork/Timers/TFE2

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the timer for MCPTT emergency alert retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-10

The timer TFE2 is in seconds.

8.2.73 /<x>/OffNetwork/Counters

Table 8.2.73.1: /<x>/OffNetwork/Counters

OffNetwork/Counters

Status	Occurrence	Format	Min. Access Types
Required	One	node	Get, Replace

This interior node is a placeholder for the counter configuration.

8.2.74 /<*x*>/OffNetwork/Counters/CFP1

Table 8.2.74.1: /<*x*>/OffNetwork/Counters/CFP1

OffNetwork/Counters/CFP1

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for private call request retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.75 /<*x*>/OffNetwork/Counters/CFP3

Table 8.2.75.1: /<*x*>/OffNetwork/Counters/CFP3

OffNetwork/Counters/CFP3

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for private call release retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.76 /<*x*>/OffNetwork/Counters/CFP4

Table 8.2.76.1: /<*x*>/OffNetwork/Counters/CFP4

OffNetwork/Counters/CFP4

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for private call accept retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.77 /<*x*>/OffNetwork/Counters/CFP6

Table 8.2.77.1: /<*x*>/OffNetwork/Counters/CFP6

OffNetwork/Counters/CFP6

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for private call accept retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.78 /<*x*>/OffNetwork/Counters/CFP11

Table 8.2.78.1: /<*x*>/OffNetwork/Counters/CFP11

OffNetwork/Counters/CFP11

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for MCPTT group call emergency end retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.79 /<*x*>/OffNetwork/Counters/CFP12

Table 8.2.79.1: /<*x*>/OffNetwork/Counters/CFP12

OffNetwork/Counters/CFP12

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for MCPTT imminent peril call emergency end retransmission as specified in 3GPP TS 24.379 [7].

- Values: 0-255

8.2.80 /<*x*>/OffNetwork/Counters/C201

Table 8.2.80.1: /<*x*>/OffNetwork/Counters/C201

OffNetwork/Counters/C201

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for floor request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

8.2.81 /<*x*>/OffNetwork/Counters/C204

Table 8.2.81.1: /<*x*>/OffNetwork/Counters/C204

OffNetwork/Counters/C204

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for floor queue position request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

8.2.82 /<*x*>/OffNetwork/Counters/C205

Table 8.2.82.1: /<*x*>/OffNetwork/Counters/C205

OffNetwork/Counters/C205

Status	Occurrence	Format	Min. Access Types
Required	One	int	Get, Replace

This leaf node indicates the counter for floor granted request as specified in 3GPP TS 24.380 [8].

- Values: 0-255

Annex A (informative): MCPTT UE configuration MO DDF

This DDF is the standardized minimal set. A vendor can define it"s own DDF for the complete device. This DDF can include more features than this minimal standardized version. The DDF is included as an XML file.

Annex B (informative): MCPTT user profile MO DDF

This DDF is the standardized minimal set. A vendor can define it"s own DDF for the complete device. This DDF can include more features than this minimal standardized version. The DDF is included as an XML file.

Annex C (informative): MCPTT group configuration MO DDF

This DDF is the standardized minimal set. A vendor can define it"s own DDF for the complete device. This DDF can include more features than this minimal standardized version. The DDF is included as an XML file.

Annex D (informative): MCPTT service configuration MO DDF

This DDF is the standardized minimal set. A vendor can define it"s own DDF for the complete device. This DDF can include more features than this minimal standardized version. The DDF is included as an XML file.

Annex E (informative): MCPTT UE initial configuration MO DDF

This DDF is the standardized minimal set. A vendor can define it"s own DDF for the complete device. This DDF can include more features than this minimal standardized version. The DDF is included as an XML file.

Annex F (informative): Change history

Change history							
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
2015-07					Initial proposal to CT1	-	0.0.0
2015-08					Included skeleton from C1ah-150016 and scope from C1ah-150038 agreed at CT1#92bis	0.0.0	0.10
2015-08					Included CRs C1-152964 and C1-152965 agreed at CT1#93	0.1.0	0.2.0
2015-08					Revision number changed due to cover sheet modifications	0.2.0	0.2.1
2015-09					Modifying the cover sheet to add the TS number. Changes by the rapporteur.	0.2.1	0.2.2
2015-10					Included CRs C1-153754,and C1-153755 agreed at CT1#94	0.2.2	0.3.0
2016-01					Included CRs C1-160352, C1-160474, C1-160475, C1-160476, C1-160477 and C1-160478 agreed at CT1#95bis	0.3.0	0.4.0
2016-01					Editorial and formatting fixes	0.4.0	0.4.1
2016-02					Included CRs C1-161077, C1-161078, C1-161231, C1-161324, C1-161326, C1-161327, C1-161509 and C1-161510 agreed at CT1#96 Editorial and formatting fixes by the rapporteur.	0.4.1	0.5.0
2016-03	CT-71	CP-160056			Version 1.0.0 created for presentation for information and approval	0.5.0	1.0.0
2016-03	CT-71				Version 13.0.0 created after approval	1.0.0	13.0.0
2016-03					An editorial change from TS rapporteur	13.0.0	13.0.1
2016-06	CT-72	CP-160322	0002	1	Corrections to the scope of MCPTT Management Object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0003	3	Correction for MCPTT UE configuration management object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0004	3	Correction for MCPTT user profile management object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0005	2	Correction for MCPTT group configuration management object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0006	1	Correction for MCPTT service configuration management object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0007	3	Correction for MCPTT UE initial configuration management object (MO)	13.0.1	13.1.0
2016-06	CT-72	CP-160322	0011		Correction for security configuration parameters in MCPTT management object (MO)	13.0.1	13.1.0

History

Document history		
V13.0.1	May 2016	Publication
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