**3GPP TSG-CT WG1 Meeting #130-eC1-213xyz**

**Electronic meeting, 20-28 May 2021 (revision of** **C1-212976)**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.484** | **CR** | **0182** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network | **x** |

|  |
| --- |
|  |
| ***Title:***  | Call forwarding for MCPTT private call, Configuration Management part |
|  |  |
| ***Source to WG:*** | Kontron Transportation France |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | eMONASTERY2 |  | ***Date:*** | 2021-05-12 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)...Rel-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | Adding call forwarding for MCPTT private call |
|  |  |
| ***Summary of change:*** | Extending structure, XML schema, and data semantics to support forwarding of MCPTT private calls. |
|  |  |
| ***Consequences if not approved:*** | Required feature not available. |
|  |  |
| ***Clauses affected:*** | 8.3.2.1, 8.3.2.3, 8.3.2.7, 8.4.2.1, 8.4.2.3, 8.4.2.7 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* First Change \* \* \* \*

#### 8.3.2.1 Structure

The MCPTT user profile configuration document structure is specified in this subclause.

The <mcptt-user-profile> document:

1) shall include an "XUI-URI" attribute;

2) may include a <Name> element;

3) shall include one <Status> element;

4) shall include a "user-profile-index" attribute;

5) may include any other attribute for the purposes of extensibility;

6) may include one <ProfileName> element;

7) may include a <Pre-selected-indication> element;

8) shall include one <Common> element, which:

a) shall have an "index" attribute;

b) shall include one <UserAlias> element containing one or more <alias-entry> elements;

c) shall include one <MCPTTUserID> element that contains a <uri-entry> element;

d) shall include one <PrivateCall> element. The <PrivateCall> element contains:

i) a <PrivateCallList> element that contains one or more of the following:

A) a <PrivateCallURI> element that contains one <uri-entry> element, which contains:

I) an <anyExt> element that may contain a <PrivateCallKMSURI> element that contains one <PrivateCallKMSURI> element that contains one <uri-entry> element;

B) a <PrivateCallProSeUser> element that contains one <User‑Info‑ID> element; and

C) an <anyExt> element which may contain:

I) a <PrivateCallKMSURI> element that contains one <PrivateCallKMSURI> element that contains one <uri-entry> element; and

ii) one <EmergencyCall> element containing one <MCPTTPrivateRecipient> element that contains:

A) an <entry> element; and

B) a <ProSeUserID-entry> element;

e) shall contain one <MCPTT-group-call> element containing:

i) one <MaxSimultaneousCallsN6> element;

ii) one <EmergencyCall> element containing one <MCPTTGroupInitiation>element that contains an <entry> element;

iii) one <ImminentPerilCall> element containing one <MCPTTGroupInitiation> element that contains an <entry> element;

iv) one <EmergencyAlert> element containing an <entry> element; and

v) one <Priority> element;

f) may contain one <ParticipantType> element; and

g) shall contain one <MissionCriticalOrganization> element indicating the name of the mission critical organization the MCPTT User belongs to;

9) shall include zero or one <OffNetwork> element which:

a) shall contain an "index" attribute;

b) shall include one <MCPTTGroupInfo> element, containing one or more <entry> elements;

c) an <anyExt> element which may contain:

i) one or more <OffNetworkGroupServerInfo> elements each of which:

A) shall include one or more <GMS-Serv-Id> elements, each containing one or more <entry> elements;

B) shall include one or more <IDMS-token-endpoint> elements, each containing one or more <entry> elements;

C) shall include one or more <KMS-URI> elements, each containing one or more <entry> elements; and

D) may include an <anyExt> element which may contain:

a) zero or one <RelativePresentationPriority> element, each containing one or more <Priority> elements;

10) shall include zero or one <OnNetwork> element which:

a) shall have an "index" attribute;

b) shall include one <MCPTTGroupInfo> element, containing one or more <entry> elements;

c) shall include one <MaxAffiliationsN2>element;

d) may include one <ImplicitAffiliations> element, containing one or more <entry> elements;

e) shall include one <MaxSimultaneousTransmissionsN7> element;

f) shall include one <PrivateEmergencyAlert> element containing an <entry> element; and

g) an <anyExt> element which may contain:

i) one <RemoteGroupSelectionURIList> element which contains one or more <entry> elements;

ii) one or more <GroupServerInfo> elements each of which:

A) shall include one or more <GMS-Serv-Id> elements, each containing one or more <entry> elements;

B) shall include one or more <IDMS-token-endpoint> elements, each containing one or more <entry> elements;

C) shall include one or more <KMS-URI> elements, each containing one or more <entry> elements; and

D) may include an <anyExt> element which may contain:

a) zero or one <RelativePresentationPriority> element, each containing one or more <Priority> elements; and

iii) one <FunctionalAliasList> element which contains one or more <entry> elements;

iv) one <IncomingPrivateCallList> element that contains one or more of the following:

A) a <PrivateCallURI> element that contains one <uri-entry> element, which contains:

I) an <anyExt> element that may contain a <PrivateCallKMSURI> element, which contains one <PrivateCallKMSURI> element that contains one <uri-entry> element; and

B) an <anyExt> element which may contain a <PrivateCallKMSURI> element that contains one <PrivateCallKMSURI> element, which contains one <uri-entry> element;

v) an <AllowedMCPTTIdsForCallTransfer> element which contains one or more <entry> elements;

vi) an <AllowedFunctionalAliasesForCallTransfer> element which contains one or more <entry> elements;

vii) a <call-forwarding-no-answer-timeout> element;

viii) a <call-forwarding-condition> element; and

ix) a <call-forwarding-target> element.

11) a <ruleset> element conforming to IETF RFC 4745 [13] containing a sequence of zero or more <rule> elements:

a) the <conditions> of a <rule> element may include the <identity> element as described in IETF RFC 4745 [13];

b) the <actions> child element of any <rule> element may contain:

i) an <allow-presence-status> element;

ii) an <allow-request-presence> element;

iii) an <allow-query-availability-for-private-calls> element;

iv) an <allow-enable-disable-user> element;

v) an <allow-enable-disable-UE> element;

vi) an <allow-create-delete-user-alias> element;

vii) an <allow-private-call> element;

viii) an <allow-manual-commencement> element;

ix) an <allow-automatic-commencement> element;

x) an <allow-force-auto-answer> element;

xi) an <allow-failure-restriction> element;

xii) an <allow-emergency-group-call> element;

xiii) an <allow-emergency-private-call> element;

xiv) an <allow-cancel-group-emergency> element;

xv) an <allow-cancel-private-emergency-call> element;

xvi) an <allow-imminent-peril-call> element;

xvii) an <allow-cancel-imminent-peril> element;

xviii) an <allow-activate-emergency-alert> element;

xix) an <allow-cancel-emergency-alert> element;

xx) an <allow-offnetwork> element;

xxi) an <allow-imminent-peril-change> element;

xxii) an <allow-private-call-media-protection> element;

xxiii) an <allow-private-call-floor-control-protection> element;

xxiv) an <allow-request-affiliated-groups> element;

xxv) an <allow-request-to-affiliate-other-users> element;

xxvi) an <allow-recommend-to-affiliate-other-users> element;

xxvii) an <allow-private-call-to-any-user> element;

xxviii) an <allow-regroup> element;

xxix) an <allow-private-call-participation> element;

xxx) an <allow-override-of-transmission> element;

xxxi) an <allow-manual-off-network-switch> element;

xxxii) an <allow-listen-both-overriding-and-overridden> element;

xxxiii) an <allow-transmit-during-override> element;

xxxiv) an <allow-off-network-group-call-change-to-emergency> element;

xxxv) an<allow-revoke-transmit> element;

xxxvi) an <allow-create-group-broadcast- group> element;

xxxvii) an <allow-create-user-broadcast-group> element; and

xxxviii) an <anyExt> element which may contain:

A) an <allow-request-private-call-call-back> element;

B) an <allow-cancel-private-call-call-back> element;

C) an <allow-request-remote-initiated-ambient-listening> element;

D) an <allow-request-locally-initiated-ambient -listening> element;

E) an <allow-request-first-to-answer-call> element;

F) an <allow-request-remote-init-private-call> element;

G) an <allow-request-remote-init-group-call> element;

H) an <allow-query-functional-alias-other-user> element;

I) an <allow-takeover-functional-alias-other-user> element;

J) an <allow-location-info-when-talking> element;

K) an <allow-to-receive-private-call-from-any-user> element;

L) an <allow-to-receive-non-acknowledged-users-information> element;

M) an <allow-call-transfer> element;

N) an <allow-call-transfer-to-any-user> element;

O) an <allow-call-forwarding> element;

P) a <call-forwarding-on> element;

Q) a <forward-to-functional-alias> element; and

R) an <allow-call-forward-manual-input> element.

12) may include any other element for the purposes of extensibility.

The <entry> elements:

1) shall contain a <uri-entry> element;

2) shall contain an"index" attribute;

3) may contain a <display-name> element;

4) may contain an "entry-info" attribute; and

5) may include an <anyExt> element which may contain:

a) a <LocationCriteriaForActivation> element containing:

i) one or more <EnterSpecificArea> elements, each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

ii) one or more <ExitSpecificArea> elements, each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element.

b) a <LocationCriteriaForDeactivation> element containing:

i) one or more <EnterSpecificArea> elements, each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

ii) one or more <ExitSpecificArea> elements, each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element;

c) a <manual-deactivation-not-allowed-if-location-criteria-met> element;

d) one <MaxSimultaneousEmergencyGroupCalls> element;

e) a <RulesForAffiliation> element containing:

i) one <ListOfLocationCriteria> element containing;

A) one or more <EnterSpecificArea> elements each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

B) one or more <ExitSpecificArea> elements each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

ii) zero or one <ListOfActiveFunctionalAliasCriteria> element which contains one or more <entry> elements;

f) a <RulesForDeaffiliation> element containing;

i) zero or one <ListOfLocationCriteria> element containing;

A) one or more <EnterSpecificArea> elements each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

B) one or more <ExitSpecificArea> elements each containing a <PolygonArea> element or an <EllipsoidArcArea> element, and may include an <anyExt> element with a <Speed> element and a <Heading> element; and

ii) zero or one <ListOfActiveFunctionalAliasCriteria> element which contains one or more <entry> elements;

g) a <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element.

h) a <ListOfAllowedFAsToCall> element which contains one or more <entry> elements; and

i) a <ListOfAllowedFAsToBeCalledFrom> element which contains one or more <entry> elements.

The <PolygonArea> elements shall contain 3 up to 15 <PointCoordinateType> elements.

The <EllipsoidArcArea> elements shall contain:

1) a <Center> element that contains a <PointCoordinateType> element;

2) a <Radius> element;

3) an <OffsetAngle> element; and

4) an <IncludedAngle> element.

The <PointCoordinateType> elements shall contain a <Longitude> element and a <Latitude> element.

The <Longitude> elements shall contain a <CoordinateType> element.

The <Latitude> elements shall contain a <CoordinateType> element.

The <Speed> elements shall contain a <MinimumSpeed> element and <MaximumSpeed> element.

The <Heading> elements shall contain a <MinimumHeading> element and <MaximumHeading> element.

The <ProSeUserID-entry> elements:

1) shall contain a <DiscoveryGroupID> element;

2) shall contain an <User-Info-ID> element; and

3) shall contain an "index" attribute.

\* \* \* Next Change \* \* \* \*

#### 8.3.2.3 XML Schema

The MCPTT user profile configuration document shall be composed according to the following XML schema:

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema

 xmlns:mcpttup="urn:3gpp:mcptt:user-profile:1.0"

 xmlns:xs="http://www.w3.org/2001/XMLSchema"

 targetNamespace="urn:3gpp:mcptt:user-profile:1.0"

 elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xs:import namespace="http://www.w3.org/XML/1998/namespace"

 schemaLocation="http://www.w3.org/2001/xml.xsd"/>

 <!-- This import brings in common policy namespace from RFC 4745 -->

 <xs:import namespace="urn:ietf:params:xml:ns:common-policy"

 schemaLocation="http://www.iana.org/assignments/xml-registry/schema/common-policy.xsd"/>

 <xs:element name="mcptt-user-profile">

 <xs:complexType>

 <xs:choice minOccurs="1" maxOccurs="unbounded">

 <xs:element name="Name" type="mcpttup:NameType"/>

 <xs:element name="Status" type="xs:boolean"/>

 <xs:element name="ProfileName" type="mcpttup:NameType"/>

 <xs:element name="Pre-selected-indication" type="mcpttup:emptyType"/>

 <xs:element name="Common" type="mcpttup:CommonType"/>

 <xs:element name="OffNetwork" type="mcpttup:OffNetworkType"/>

 <xs:element name="OnNetwork" type="mcpttup:OnNetworkType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attribute name="XUI-URI" type="xs:anyURI" use="required"/>

 <xs:attribute name="user-profile-index" type="xs:unsignedByte" use="required"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 </xs:element>

 <xs:complexType name="NameType">

 <xs:simpleContent>

 <xs:extension base="xs:token">

 <xs:attribute ref="xml:lang"/>

 </xs:extension>

 </xs:simpleContent>

 </xs:complexType>

 <xs:complexType name="CommonType">

 <xs:choice minOccurs="1" maxOccurs="unbounded">

 <xs:element name="UserAlias" type="mcpttup:UserAliasType"/>

 <xs:element name="MCPTTUserID" type="mcpttup:EntryType"/>

 <xs:element name="PrivateCall" type="mcpttup:MCPTTPrivateCallType"/>

 <xs:element name="MCPTT-group-call" type="mcpttup:MCPTTGroupCallType"/>

 <xs:element name="MissionCriticalOrganization" type="xs:string"/>

 <xs:element name="ParticipantType" type="xs:string"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="MCPTTPrivateCallType">

 <xs:sequence>

 <xs:element name="PrivateCallList" type="mcpttup:PrivateCallListEntryType"/>

 <xs:element name="EmergencyCall" type="mcpttup:EmergencyCallType" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="PrivateCallListEntryType">

 <xs:choice minOccurs="1" maxOccurs="unbounded">

 <xs:element name="PrivateCallURI" type="mcpttup:EntryType"/>

 <xs:element name="PrivateCallProSeUser" type="mcpttup:ProSeUserEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="UserAliasType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="alias-entry" type="mcpttup:AliasEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="AliasEntryType">

 <xs:simpleContent>

 <xs:extension base="xs:token">

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:attribute ref="xml:lang"/>

 </xs:extension>

 </xs:simpleContent>

 </xs:complexType>

 <xs:complexType name="ListEntryType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="entry" type="mcpttup:EntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attribute ref="xml:lang"/>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="EntryType">

 <xs:sequence>

 <xs:element name="uri-entry" type="xs:anyURI"/>

 <xs:element name="display-name" type="mcpttup:DisplayNameElementType" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:attribute name="entry-info" type="mcpttup:EntryInfoTypeList"/>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="GeographicalAreaChangeType">

 <xs:sequence>

 <xs:element name="EnterSpecificArea" type="mcpttup:GeographicalAreaType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="ExitSpecificArea" type="mcpttup:GeographicalAreaType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="GeographicalAreaType">

 <xs:choice>

 <xs:element name="PolygonArea" type="mcpttup:PolygonAreaType" minOccurs="0"/>

 <xs:element name="EllipsoidArcArea" type="mcpttup:EllipsoidArcType" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="PolygonAreaType">

 <xs:sequence>

 <xs:element name="Corner" type="mcpttup:PointCoordinateType" minOccurs="3" maxOccurs="15"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="EllipsoidArcType">

 <xs:sequence>

 <xs:element name="Center" type="mcpttup:PointCoordinateType"/>

 <xs:element name="Radius" type="xs:nonNegativeInteger"/>

 <xs:element name="OffsetAngle" type="xs:unsignedByte"/>

 <xs:element name="IncludedAngle" type="xs:unsignedByte"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="PointCoordinateType">

 <xs:sequence>

 <xs:element name="Longitude" type="mcpttup:CoordinateType"/>

 <xs:element name="Latitude" type="mcpttup:CoordinateType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:simpleType name="CoordinateType">

 <xs:restriction base="xs:integer">

 <xs:minInclusive value="0"/>

 <xs:maxInclusive value="16777215"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="RulesForAffiliationManagementType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="ListOfLocationCriteria" type="mcpttup:GeographicalAreaChangeType"/>

 <xs:element name="ListOfActiveFunctionalAliasCriteria" type="mcpttup:ListEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="SpeedType">

 <xs:sequence>

 <xs:element name="MinimumSpeed" type="xs:unsignedShort"/>

 <xs:element name="MaximumSpeed" type="xs:unsignedShort"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="HeadingType">

 <xs:sequence>

 <xs:element name="MinimumHeading" type="xs:unsignedShort"/>

 <xs:element name="MaximumHeading" type="xs:unsignedShort"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="ProSeUserEntryType">

 <xs:sequence>

 <xs:element name="DiscoveryGroupID" type="xs:hexBinary" minOccurs="0"/>

 <xs:element name="User-Info-ID" type="xs:hexBinary"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:simpleType name="EntryInfoTypeList">

 <xs:restriction base="xs:normalizedString">

 <xs:enumeration value="UseCurrentlySelectedGroup"/>

 <xs:enumeration value="DedicatedGroup"/>

 <xs:enumeration value="UsePreConfigured"/>

 <xs:enumeration value="LocallyDetermined"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="DisplayNameElementType">

 <xs:simpleContent>

 <xs:extension base="xs:string">

 <xs:attribute ref="xml:lang"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:extension>

 </xs:simpleContent>

 </xs:complexType>

 <xs:complexType name="MCPTTGroupCallType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="MaxSimultaneousCallsN6" type="xs:positiveInteger"/>

 <xs:element name="EmergencyCall" type="mcpttup:EmergencyCallType"/>

 <xs:element name="ImminentPerilCall" type="mcpttup:ImminentPerilCallType"/>

 <xs:element name="EmergencyAlert" type="mcpttup:EmergencyAlertType"/>

 <xs:element name="Priority" type="xs:unsignedShort"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="EmergencyCallType">

 <xs:sequence>

 <xs:choice>

 <xs:element name="MCPTTGroupInitiation" type="mcpttup:MCPTTGroupInitiationEntryType"/>

 <xs:element name="MCPTTPrivateRecipient" type="mcpttup:MCPTTPrivateRecipientEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="ImminentPerilCallType">

 <xs:sequence>

 <xs:element name="MCPTTGroupInitiation" type="mcpttup:MCPTTGroupInitiationEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="EmergencyAlertType">

 <xs:sequence>

 <xs:element name="entry" type="mcpttup:EntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="MCPTTGroupInitiationEntryType">

 <xs:choice>

 <xs:element name="entry" type="mcpttup:EntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="MCPTTPrivateRecipientEntryType">

 <xs:sequence>

 <xs:element name="entry" type="mcpttup:EntryType"/>

 <xs:element name="ProSeUserID-entry" type="mcpttup:ProSeUserEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="OffNetworkType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="MCPTTGroupInfo" type="mcpttup:ListEntryType"/>

 <xs:element name="User-Info-ID" type="xs:hexBinary"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="OnNetworkType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="MCPTTGroupInfo" type="mcpttup:ListEntryType"/>

 <xs:element name="MaxAffiliationsN2" type="xs:nonNegativeInteger"/>

 <xs:element name="MaxSimultaneousTransmissionsN7" type="xs:nonNegativeInteger"/>

 <xs:element name="ImplicitAffiliations" type="mcpttup:ListEntryType"/>

 <xs:element name="PrivateEmergencyAlert" type="mcpttup:EmergencyAlertType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attributeGroup ref="mcpttup:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:element name="allow-presence-status" type="xs:boolean"/>

 <xs:element name="allow-request-presence" type="xs:boolean"/>

 <xs:element name="allow-query-availability-for-private-calls" type="xs:boolean"/>

 <xs:element name="allow-enable-disable-user" type="xs:boolean"/>

 <xs:element name="allow-enable-disable-UE" type="xs:boolean"/>

 <xs:element name="allow-create-delete-user-alias" type="xs:boolean"/>

 <xs:element name="allow-private-call" type="xs:boolean"/>

 <xs:element name="allow-manual-commencement" type="xs:boolean"/>

 <xs:element name="allow-automatic-commencement" type="xs:boolean"/>

 <xs:element name="allow-force-auto-answer" type="xs:boolean"/>

 <xs:element name="allow-failure-restriction" type="xs:boolean"/>

 <xs:element name="allow-emergency-group-call" type="xs:boolean"/>

 <xs:element name="allow-emergency-private-call" type="xs:boolean"/>

 <xs:element name="allow-cancel-group-emergency" type="xs:boolean"/>

 <xs:element name="allow-cancel-private-emergency-call" type="xs:boolean"/>

 <xs:element name="allow-imminent-peril-call" type="xs:boolean"/>

 <xs:element name="allow-cancel-imminent-peril" type="xs:boolean"/>

 <xs:element name="allow-activate-emergency-alert" type="xs:boolean"/>

 <xs:element name="allow-cancel-emergency-alert" type="xs:boolean"/>

 <xs:element name="allow-offnetwork" type="xs:boolean"/>

 <xs:element name="allow-imminent-peril-change" type="xs:boolean"/>

 <xs:element name="allow-private-call-media-protection" type="xs:boolean"/>

 <xs:element name="allow-private-call-floor-control-protection" type="xs:boolean"/>

 <xs:element name="allow-request-affiliated-groups" type="xs:boolean"/>

 <xs:element name="allow-request-to-affiliate-other-users" type="xs:boolean"/>

 <xs:element name="allow-recommend-to-affiliate-other-users" type="xs:boolean"/>

 <xs:element name="allow-private-call-to-any-user" type="xs:boolean"/>

 <xs:element name="allow-regroup" type="xs:boolean"/>

 <xs:element name="allow-private-call-participation" type="xs:boolean"/>

 <xs:element name="allow-override-of-transmission" type="xs:boolean"/>

 <xs:element name="allow-manual-off-network-switch" type="xs:boolean"/>

 <xs:element name="allow-listen-both-overriding-and-overridden" type="xs:boolean"/>

 <xs:element name="allow-transmit-during-override" type="xs:boolean"/>

 <xs:element name="allow-off-network-group-call-change-to-emergency" type="xs:boolean"/>

 <xs:element name="allow-revoke-transmit" type="xs:boolean"/>

 <xs:element name="allow-create-group-broadcast-group" type="xs:boolean"/>

 <xs:element name="allow-create-user-broadcast-group" type="xs:boolean"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType"/>

 <xs:element name="allow-request-private-call-call-back" type="xs:boolean"/>

 <xs:element name="allow-cancel-private-call-call-back" type="xs:boolean"/>

 <xs:element name="allow-request-remote-initiated-ambient-listening" type="xs:boolean"/>

 <xs:element name="allow-request-locally-initiated-ambient-listening" type="xs:boolean"/>

 <xs:element name="allow-request-first-to-answer-call" type="xs:boolean"/>

 <xs:element name="allow-request-remote-init-private-call" type="xs:boolean"/>

 <xs:element name="allow-request-remote-init-group-call" type="xs:boolean"/>

 <xs:element name="allow-query-functional-alias-other-user" type="xs:boolean"/>

 <xs:element name="allow-takeover-functional-alias-other-user" type="xs:boolean"/>

 <xs:element name="allow-location-info-when-talking" type="xs:boolean"/>

 <xs:element name="allow-to-receive-private-call-from-any-user" type="xs:boolean"/>

 <xs:element name="allow-to-receive-non-acknowledged-users-information" type="xs:boolean"/>

 <xs:element name="AllowedMCPTTIdsForCallTransfer" type="mcpttup:ListEntryType"/>

 <xs:element name="AllowedFunctionalAliasesForCallTransfer" type="mcpttup:ListEntryType"/>

 <xs:element name="allow-call-transfer" type="xs:boolean"/>

 <xs:element name="allow-call-transfer-to-any-user" type="xs:boolean"/>

 <xs:element name="allow-call-forwarding" type="xs:boolean"/>

 <xs:element name="call-forwarding-on" type="xs:boolean"/>

 <xs:element name="call-forwarding-no-answer-timeout" type="xs:duration" minOccurs="0"/>

 <xs:element name="call-forwarding-condition" type="xs:string"/>

 <xs:element name="call-forwarding-target" type="xs:anyURI"/>

 <xs:element name="forward-to-functional-alias" type="xs:boolean"/>

 <xs:element name="allow-call-forward-manual-input" type="xs:boolean"/>

 <xs:element name="RemoteGroupSelectionURIList" type="mcpttup:ListEntryType"/>

 <xs:element name="GroupServerInfo" type="mcpttup:GroupServerInfoType"/>

 <xs:element name="FunctionalAliasList" type="mcpttup:ListEntryType"/>

 <xs:element name="ListOfAllowedFAsToCall" type="mcpttup:ListEntryType"/>

 <xs:element name="ListOfAllowedFAsToBeCalledFrom" type="mcpttup:ListEntryType"/>

 <xs:element name="LocationCriteriaForActivation" type="mcpttup:GeographicalAreaChangeType"/>

 <xs:element name="LocationCriteriaForDeactivation" type="mcpttup:GeographicalAreaChangeType"/>

 <xs:element name="manual-deactivation-not-allowed-if-location-criteria-met" type="xs:boolean"/>

 <xs:element name="RulesForAffiliation" type="mcpttup:RulesForAffiliationManagementType"/>

 <xs:element name="RulesForDeaffiliation" type="mcpttup:RulesForAffiliationManagementType"/>

 <xs:element name="Speed" type="mcpttup:SpeedType"/>

 <xs:element name="Heading" type="mcpttup:HeadingType"/>

 <xs:element name="manual-deaffiliation-not-allowed-if-affiliation-rules-are-met" type="xs:boolean"/>

 <xs:element name="MaxSimultaneousEmergencyGroupCalls" type="xs:positiveInteger"/>

 <xs:element name="IncomingPrivateCallList" type="mcpttup:PrivateCallListEntryType"/>

 <xs:element name="OffNetworkGroupServerInfo" type="mcpttup:GroupServerInfoType"/>

 <xs:complexType name="GroupServerInfoType">

 <xs:sequence>

 <xs:element name="GMS-Serv-Id" type="mcpttup:ListEntryType"/>

 <xs:element name="IDMS-token-endpoint" type="mcpttup:ListEntryType"/>

 <xs:element name="KMS-URI" type="mcpttup:ListEntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:element name="PrivateCallKMSURI" type="mcpttup:PrivateCallKMSURIEntryType"/>

 <xs:complexType name="PrivateCallKMSURIEntryType">

 <xs:sequence>

 <xs:element name="PrivateCallKMSURI" type="mcpttup:EntryType"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

<xs:element name="RelativePresentationPriority" type="mcpttup:PriorityListEntryType"/>

 <xs:complexType name="PriorityListEntryType">

 <xs:sequence>

 <xs:element name="Priority" type="mcpttup:PriorityType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcpttup:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 </xs:complexType>

 <xs:simpleType name="PriorityType">

 <xs:restriction base="xs:nonNegativeInteger">

 <xs:minInclusive value="0"/>

 <xs:maxInclusive value="255"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:attributeGroup name="IndexType">

 <xs:attribute name="index" type="xs:token"/>

 </xs:attributeGroup>

 <!-- empty complex type -->

 <xs:complexType name="emptyType"/>

 <xs:complexType name="anyExtType">

 <xs:sequence>

 <xs:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 </xs:complexType>

</xs:schema>

\* \* \* Next Change \* \* \* \*

#### 8.3.2.7 Data Semantics

The <Name> element is of type "token", and corresponds to the "Name" element of subclause 5.2.3 in 3GPP TS 24.483 [4].

The <alias-entry> element of the <UserAlias> element is of type "token" and indicates an alphanumeric alias of the MCPTT user, and corresponds to the leaf nodes of the "UserAlias" element of subclause 5.2.8 in 3GPP TS 24.483 [4].

The <uri-entry> element is of type "anyURI" and when it appears within:

- the <MCPTTUserID> element contains the MCPTT user identity (MCPTT ID) of the MCPTT user, and corresponds to the "MCPTTUserID" element of subclause 5.2.7 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInitiation> element of the <EmergencyCall> element of the <MCPTT-group-call> element, indicates the MCPTT group used on initiation of an MCPTT emergency group call and corresponds to the "GroupID" element of the "MCPTTGroupInitiation" element of subclause 5.2.34B in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTPrivateRecipient> of the <EmergencyCall> element of the <PrivateCall> element indicates the recipient MCPTT user for an MCPTT emergency private call and corresponds to the "ID" element of subclause 5.2.29B in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInitiation> element of the <ImminentPerilCall> element of the <MCPTT-group-call> element, indicates the MCPTT group used on initiation of an MCPTT imminent peril group call and corresponds to the "GroupID" element of subclause 5.2.39B in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <MCPTT-group-call> element, indicates the MCPTT group recipient for an MCPTT emergency Alert and corresponds to the "ID" element of subclause 5.2.43B in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <PrivateEmergencyAlert> element indicates the MCPTT user recipient for an on-network MCPTT emergency private alert and corresponds to the "ID" element of subclause 5.2.48J4 in 3GPP TS 24.483 [4];

- the <PrivateCallURI> of the <PrivateCall> list element indicates an MCPTT ID of an MCPTT user that the MCPTT user is authorised to initiate a private call to and corresponds to the "MCPTTID" element of subclause 5.2.17 in 3GPP TS 24.483 [4];

- the <uri-entry> element of the <PrivateCallKMSURI> element of the <PrivateCallKMSURI> element of the <anyExt> element of the <PrivateCallList> element of the <PrivateCall> element of the <Common> element contains the URI used to contact the KMS associated with the MCPTT IDs contained in the PrivateCallURI elements of the <PrivateCallList> element and corresponds to the "PrivateCallKMSURI" element of subclause 5.2.19B in 3GPP TS 24.483 [4]; If the <uri-entry> element is empty, the KMS present in the MCS initial configuration document is used;

- The <PrivateCallKMSURI> element of the <anyExt> element of the <PrivateCallURI> element of the <PrivateCallList> element of the <Common> element is only present if the URI of the KMS for the associated MCPTT ID is different from the KMS URI in <uri-entry> element of the <PrivateCallKMSURI> element of the <PrivateCallKMSURI> element of the <anyExt> element of the <PrivateCallList> element of the <PrivateCall> element of the <Common> element and corresponds to the "PrivateCallKMSURI" element of subclause 5.2.19B in 3GPP TS 24.483 [4];

- the <entry> element of the <ImplicitAffiliations> list element indicates an MCPTT group ID of an MCPTT group that the MCPTT user is implicitly affiliated with and corresponds to the "MCPTTGroupID" element of subclause 5.2.48C4 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInfo> list element of the <OnNetwork> element indicates an MCPTT group ID of an MCPTT group that the MCPTT user is authorised to affiliate with during on-network operation and corresponds to the "MCPTTGroupID" element of subclause 5.2.48B4 in 3GPP TS 24.483 [4];

- the <entry> element of the <RemoteGroupSelectionURIList> list element of the <anyExt> element of the <OnNetwork> element indicates an MCPTT ID of an MCPTT user whose selected group is authorised to be remotely changed by the MCPTT user and corresponds to the "MCPTTID" element of subclause 5.2.48U4 in 3GPP TS 24.483 [4];

- the <entry> element of the <GMS-Serv-Id> list element of the <GroupServerInfo> element of the <anyExt> element of the <OnNetwork> element contains the URI used to contact the group management server associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "GMSServID" element of subclause 5.2.48V5 in 3GPP TS 24.483 [4];

NOTE 1: The "parallel entry in the <MCPTTGroupInfo> element" phrasing means that the GMS server identity contained in the i'th entry of the <GMS-Serv-Id> list element corresponds to the MCPTT group ID contained in the i'th entry of the <MCPTTGroupInfo> element. The same relationship to entries in the<MCPTTGroupInfo> element is also in effect for <IDMS-token-endpoint> and <KMS-URI> entries.

- the <entry> element of the <IDMS-token-endpoint> list element of the <GroupServerInfo> element of the <anyExt> element of the <OnNetwork> element contains the URI used to contact the identity management server token endpoint associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "IDMSTokenID" element of subclause 5.2.48V9 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS initial configuration document are used;

- the <entry> element of the <KMS-URI> list element of the <GroupServerInfo> element of the <anyExt> element of the <OnNetwork> element contains the URI used to contact the key management server associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "KMSURI" element of subclause 5.2.48V13 in 3GPP TS 24.483 [4]. If the entry element is empty, the kms present in the MCS initial configuration document is used;

- the <PrivateCallURI> element of the <IncomingPrivateCallList> element of the <anyExt> element of the <OnNetwork> element indicates an MCPTT ID of an MCPTT user from whom the MCPTT user is authorised to receive a private call and corresponds to the "MCPTTID" element of subclause 5.2.48Y4 in 3GPP TS 24.483 [4];

- the <PrivateCallKMSURI> element of the <PrivateCallKMSURI> of the <anyExt> element of the <PrivateCallURI> element of the <IncomingPrivateCallList> element of the <anyExt> element of the <OnNetwork> element is only present if the URI of the KMS for the associated MCPTT ID is different from the KMS URI in <uri-entry> element of the <PrivateCallKMSURI> element of the <PrivateCallKMSURI> element of the <anyExt> element of the <IncomingPrivateCallList> element of the <OnNetwork> element and corresponds to the "PrivateCallKMSURI" element of subclause 5.2.48Y5 in 3GPP TS 24.483 [4];

- the <PrivateCallKMSURI> element of the <PrivateCallKMSURI> element of the <anyExt> element of the <IncomingPrivateCallList> element of the <OnNetwork> element contains the URI used to contact the KMS associated with the MCPTT IDs contained in the PrivateCallURI elements of the <IncomingPrivateCallList> element and corresponds to the "PrivateCallKMSURI" element of subclause 5.2.48Y5 in 3GPP TS 24.483 [4]; If the <uri-entry> element is empty, the KMS present in the MCS initial configuration document is used;

- the <entry> element of the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element contains a functional alias that the MCPTT user is authorised to activate and corresponds to the "FunctionalAlias" element of subclause 5.2.48W6 in 3GPP TS 24.483 [4];

- the <entry> element of the <ListOfAllowedFAsToCall> element in the <anyExt> element of the <FunctionalAliasList> element within the <anyExt> element of the <OnNetwork> element contains a target functional alias that the MCPTT user is authorised to call, if it has activated and is using the parent functional alias (see <FunctionalAliasList> element), and corresponds to the "FunctionalAlias" element of subclause 5.2.48W7E in 3GPP TS 24.483 [4];

- the <entry> element of the <ListOfAllowedFAsToBeCalledFrom> element in the <anyExt> element of the <FunctionalAliasList> element within the <anyExt> element of the <OnNetwork> element contains a functional alias from which the MCPTT user is authorised to receive a call, if it has activated and is using the parent functional alias (see <FunctionalAliasList> element);

- the <entry> element of the <GMS-Serv-Id> list element of the <OffNetworkGroupServerInfo> element of the <anyExt> element of the <OffNetwork> element contains the URI used to contact the group management server associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "GMSServID" element of subclause 5.2.58A5 in 3GPP TS 24.483 [4];

NOTE 2: The "parallel entry in the <MCPTTGroupInfo> element" phrasing means that the GMS server identity contained in the i'th entry of the <GMS-Serv-Id> list element corresponds to the MCPTT group ID contained in the i'th entry of the <MCPTTGroupInfo> element. The same relationship to entries in the<MCPTTGroupInfo> element is also in effect for <IDMS-token-endpoint> and <KMS-URI> entries.

- the <entry> element of the <IDMS-token-endpoint> list element of the <OffNetworkGroupServerInfo> element of the <anyExt> element of the <OffNetwork> element contains the URI used to contact the key management server associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "IDMSTokenID" element of subclause 5.2.58A9 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS initial configuration document are used;

- the <entry> element of the <KMS-URI> list element of the <OffNetworkGroupServerInfo> element of the <anyExt> element of the <OffNetwork> element contains the URI used to contact the key management server associated with the parallel entry in the <MCPTTGroupInfo> element and corresponds to the "KMSURI" element of subclause 5.2.58A13 in 3GPP TS 24.483 [4]. If the entry element is empty, the kms present in the MCS initial configuration document is used;

- the <entry> element of the <AllowedMCPTTIdsForCallTransfer> list element of the <anyExt> element of the <OnNetwork> element indicates an MCPTT ID that is allowed to be used as target ID for a private call transfer and and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4];

- the <entry> element of the <AllowedFunctionalAliasesForCallTransfer> list element of the <anyExt> element of the <OnNetwork> element contains a functional alias that is allowed to be used as target ID for a private call transfer and and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4]; and

- the <call-forwarding-target> element within the <anyExt> element of the <OnNetwork> element is of type "anyURI" and indicates the target MCPTT ID or functional alias of the call forwarding and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

The <DiscoveryGroupID> element is of type "hexBinary" and is used as the Discovery Group ID in the ProSe discovery procedures as specified in 3GPP TS 23.303 [18] and 3GPP TS 23.334 [19]. When it appears within:

- the <MCPTTPrivateRecipient> element of the <EmergencyCall> element it identifies the Discovery Group ID that the MCPTT UE uses to initiate an off-network MCPTT emergency private call and corresponds to the "DiscoveryGroupID" element of subclause 5.2.29C in 3GPP TS 24.483 [4]; and

- the <PrivateCallProSeUser> element of the <PrivateCallList> element it identifies the Discovery Group ID that the MCPTT UE uses to initiate a private call during off-network operation and corresponds to the "DiscoveryGroupID" element of subclause 5.2.18 in 3GPP TS 24.483 [4].

The <display-name> element is of type "string", contains a human readable name and when it appears within:

- the <entry> element of the <MCPTTGroupInitiation> element of the <EmergencyCall> element of the <MCPTT-group-call> element, indicates the name of the MCPTT group used on initiation of an MCPTT emergency group call and corresponds to the "DisplayName" element of the "MCPTTGroupInitiation" element of subclause 5.2.34C in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTPrivateRecipient> of the <EmergencyCall> element of the <PrivateCall> element indicates the name of the recipient MCPTT user for an MCPTT emergency private call and corresponds to the "DisplayName" element of subclause 5.2.29E in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInitiation> element of the <ImminentPerilCall> element of the <MCPTT-group-call> element, indicates the name of the MCPTT group used on initiation of an MCPTT imminent peril group call and corresponds to the "DisplayName" element of subclause 5.2.39C in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <MCPTT-group-call> element, indicates the name of the MCPTT group recipient for an MCPTT emergency Alert and corresponds to the "DisplayName" element of subclause 5.2.43D in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <PrivateEmergencyAlert> element indicates the name of the MCPTT user recipient for an on-network MCPTT emergency private alert and corresponds to the "DisplayName" element of subclause 5.2.48J5 in 3GPP TS 24.483 [4];

- the <PrivateCallURI> of the <PrivateCallList> element indicates the name of an MCPTT ID of an MCPTT user that the MCPTT user is authorised to initiate a private call to and corresponds to the "DisplayName" element of subclause 5.2.19A in 3GPP TS 24.483 [4];

- the <MCPTTGroupInfo> list element of the <OnNetwork> element indicates the name of an MCPTT group ID of an MCPTT group that the MCPTT user is authorised to affiliate with during on-network operation and corresponds to the "DisplayName" element of subclause 5.2.48B5 in 3GPP TS 24.483 [4]; and

- the <ImplicitAffiliations> list element indicates the name of of an MCPTT group that the MCPTT user is implicitly affiliated with and corresponds to the "DisplayName" element of subclause 5.2.48C5 in 3GPP TS 24.483 [4]; and

- the <MCPTTGroupInfo> list element of the <OffNetwork> element indicates the name of an off-network MCPTT group that the MCPTT user is authorised to join during off-network operation and corresponds to the "DisplayName" element of subclause 5.2.53A in 3GPP TS 24.483 [4].

The "index" attribute is of type "token" and is included within some elements for uniqueness purposes, and does not appear in the user profile configuration managed object specified in 3GPP TS 24.483 [4].

The <Status> element is of type "Boolean" and indicates whether this particular MCPTT user profile is enabled or disabled and corresponds to the "Status" element of subclause 5.2.59 in 3GPP TS 24.483 [4]. When set to "true" this MCPTT user profile is enabled. When set to "false" this MCPTT user profile is disabled.

The "user-profile-index" is of type "unsignedByte" and indicates the particular MCPTT user profile configuration document in the collection and corresponds to the "MCPTTUserProfileIndex" element of subclause 5.2.7A in 3GPP TS 24.483 [4].

The <ProfileName> element is of type "token" and specifies the name of the MCPTT user profile configuration document in the MCPTT user profile XDM collection and corresponds to the "MCPTTUserProfileName" element of subclause 5.2.7B in 3GPP TS 24.483 [4].

The <Pre-selected-indication> element is of type "mcpttup:emptyType". Presence of the <Pre-selected-indication> element indicates that this particular MCPTT user profile is designated to be the pre-selected MCPTT user profile as defined in 3GPP TS 23.379 [8], and corresponds to the "PreSelectedIndication" element of subclause 5.2.7C in 3GPP TS 24.483 [4]. Absence of the <Pre-selected-indication> element indicates that this MCPTT user profile is not designated as the pre-selected MCPTT user profile within the collection of MCPTT user profiles for the MCPTT user or is the only MCPTT user profile within the collection and is the pre-selected MCPTT user profile by default.

The "XUI-URI" attribute is of type "anyURI" that contains the XUI of the MCPTT user for whom this MCPTT user profile configuration document is intended and does not appear in the user profile configuration managed object specified in 3GPP TS 24.483 [4].

The <ParticipantType> element of the <Common> element is of type "token" and indicates the functional category of the MCPTT user (e.g., first responder, second responder, dispatch, dispatch supervisor). The <ParticipantType> element corresponds to the "ParticipantType" element of subclause 5.2.10 in 3GPP TS 24.483 [4].

The <Priority> element of the <RelativePresentationPriority> element of the <anyExt> element when it appears in:

- the <GroupServerInfo> element of the <anyExt> element of the <OnNetwork> element, contains an integer value between 0 and 255 indicating the presentation priority of the on-network group relative to other on-network groups and on-network users, and corresponds to the "PresentationPriority" element of subclause 5.2.48V14 in 3GPP TS 24.483 [4]; and

- the <OffnetworkGroupServerInfo> element of the <anyExt> element of the <OffNetwork> element, contains an integer value between 0 and 255 indicating the presentation priority of the off-network group relative to other off-network groups and off-network users, and corresponds to the "PresentationPriority" element of subclause 5.2.58A14 in 3GPP TS 24.483 [4].

The <MaxAffiliationsN2> element is of type "nonNegativeInteger", and indicates to the MCPTT server the maximun number of MCPTT groups that the MCPTT user is authorised to affiliate with.

The <MaxSimultaneousCallsN6> element of the <MCPTT-group-call> element is of type "positiveInteger" and indicates the maximum number of simultaneously received MCPTT group calls, and corresponds to the "MaxSimultaneouCallsN6" element of subclause 5.2.31 in 3GPP TS 24.483 [4].

The <MaxSimultaneousTransmissionsN7> element is of type "positiveInteger", and indicates to the MCPTT server the maximum number of simultaneous transmissions received in one MCPTT group call for override.

The <MaxSimultaneousEmergencyGroupCalls> element of the <anyExt> element within the <entry> element of the <FunctionalAliasList> list element of the <anyExt> element within the <OnNetwork> element is of type "positiveInteger" and indicates the maximum number of simultaneous MCPTT emergency group calls for the specific functional alias, and corresponds to the "MaxSimultaneousEmergencyGroupCalls" element of subclause 5.2.48W7A in 3GPP TS 24.483 [4].

The <Priority> element of the <MCPTT-group-call> element is of a type "nonNegativeInteger", indicates the priority of the MCPTT user for initiating and receiving MCPTT calls and corresponds to the "Priority" element of subclause 5.2.44 in 3GPP TS 24.483 [4].

The <User-Info-ID> element is of type "hexBinary". When the <User-Info-ID> element appears within:

- the <ProSeUserID-entry> element of the <MCPTTPrivateRecipient> of the <EmergencyCall> element indicates the ProSe "User Info ID" as defined in 3GPP TS 23.303 [18] and 3GPP TS 24.334 [19] of the recipient MCPTT user for an MCPTT emergency private call and corresponds to the "UserInfoID" element of subclause 5.2.29D in 3GPP TS 24.483 [4];

- the <PrivateCallProSeUser> element of the <PrivateCallList> element, indicates a ProSe "User Info ID" as defined in 3GPP TS 23.303 [18] and 3GPP TS 24.334 [19] of another MCPTT user that the MCPTT user is authorised to initiate a private call to and corresponds to the "UserInfoID" element of subclause 5.2.19 in 3GPP TS 24.483 [4]; and

- the <OffNetwork> element, indicates the ProSe "User Info ID" as defined in 3GPP TS 23.303 [18] and 3GPP TS 24.334 [19] of the MCPTT UE for off-network operation and corresponds to the "UserInfoID" element of subclause 5.2.58 in 3GPP TS 24.483 [4].

The "entry-info" attribute is of type "string" and when it appears within:

- the <entry> element of the <MCPTTGroupInitiation> element of the <EmergencyCall> element of the <MCPTT-group-call> element, it corresponds to the "Usage" element of subclause 5.2.34D in 3GPP TS 24.483 [4] and indicates to use as the destination address for an emergency group call:

a) the MCPTT user currently selected MCPTT group if the "entry-info"attribute has the value of 'UseCurrentlySelectedGroup'; or

b) the value in the <uri-entry> element within the <entry> element of the <MCPTTGroupInitiation> element for an on-network emergency group call, if the "entry-info" attribute has the value of 'DedicatedGroup' or if the "entry-info"attribute has the value of 'UseCurrentlySelectedGroup' and the MCPTT user has no currently selected MCPTT group;

- the <entry> element of the <MCPTTPrivateRecipient> element of the <EmergencyCall> element of the <PrivateCall> element, it corresponds to the "Usage" element of subclause 5.2.29F in 3GPP TS 24.483 [4] and indicates to use as the destination address for an emergency private call:

a) an MCPTT ID of an MCPTT user that is selected by the MCPTT user if the "entry-info"attribute has the value of 'LocallyDetermined';

b) the value in the <uri-entry> element within the <entry> element of the <MCPTTPrivateRecipient> for an on-network emergency private call, if the "entry-info"attribute has the value of 'UsePreConfigured'; or

c) the value in the <User-Info-ID> element within the <ProSeUserID-entry> element of the <MCPTTPrivateRecipient> for an off-network emergency private call, if the "entry-info"attribute has the value of 'UsePreConfigured';

- the <entry> element of the <MCPTTGroupInitiation> element of the <ImminentPerilCall> element of the <MCPTT-group-call> element, it corresponds to the "Usage" element of subclause 5.2.39D in 3GPP TS 24.483 [4] and indicates to use as the destination for the MCPTT imminent peril group call:

a) the MCPTT user currently selected MCPTT group if the "entry-info" attribute has the value of 'UseCurrentlySelectedGroup'; or

b) the value in the <uri-entry> element within the <entry> element of the <MCPTTGroupInitiation> for an on-network imminent peril call, if the "entry-info" attribute has the value of:

i) 'DedicatedGroup'; or

ii) 'UseCurrentlySelectedGroup' and the MCPTT user has no currently selected MCPTT group; and

- the <entry> element within the <EmergencyAlert> element, it corresponds to the "Usage" element of subclause 5.2.43E in 3GPP TS 24.483 [4] and indicates to use as the destination address for a group emergency alert:

a) the MCPTT user currently selected MCPTT group if the "entry-info"attribute has the value of 'UseCurrentlySelectedGroup';

b) the value in the <uri-entry> element within the <entry> element of the <EmergencyAlert> element for an on-network group emergency alert, if the "entry-info" attribute has the value of:

i) 'DedicatedGroup'; or

ii) 'UseCurrentlySelectedGroup' and the MCPTT user has no currently selected MCPTT group.

- the <entry> element within the <PrivateEmergencyAlert> element, it corresponds to the "Usage" element of subclause 5.2.48J6 in 3GPP TS 24.483 [4] and indicates to use as the destination address for on-network private emergency alert:

a) the MCPTT ID of an MCPTT user that is selected by the MCPTT user if the "entry-info"attribute has the value of 'LocallyDetermined'; and

b) the value in the <uri-entry> element within the <entry> element of the <PrivateEmergencyAlert> element, if the "entry-info" attribute has the value of:

i) 'UsePreConfigured'; or

ii) 'LocallyDetermined' and the MCPTT user has no currently selected MCPTT user.

The <LocationCriteriaForActivation> element within the <anyExt> element of the <entry> element within the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element indicates the geographical area changes that trigger the functional alias activation. It corresponds to the "LocationCriteriaForActivation" element of subclause 5.2.48W6A in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <EnterSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element indicating a geographical area which when entered triggers the functional alias activation. The <EnterSpecificArea> element has the following sub-elements:

a) <PolygonArea>, an optional element specifying the area as a polygon specified in subclause 5.2 in 3GPP TS 23.032 [31];

b) <EllipsoidArcArea>, an optional element specifying the area as an Ellipsoid Arc specified in subclause 5.7 in 3GPP TS 23.032 [31];

c) an <anyExt> element which may contain a <Speed> element; and

d) an <anyExt> element which may contain a <Heading> element.

- <ExitSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element indicating a geographical area which when exited triggers the functional alias activation and has the same sub-elements as <EnterSpecificArea>.

The <LocationCriteriaForDeactivation> element within the <anyExt> element of the <entry> element within the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element indicates the geographical area changes that trigger the functional alias de-activation. It corresponds to the "LocationCriteriaForDeactivation" element of subclause 5.2.48W6B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <EnterSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element specifying a geographical area which when entered triggers the functional alias de-activation; and

- <ExitSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element specifying a geographical area which when exited triggers the functional alias de-activation.

The <manual-deactivation-not-allowed-if-location-criteria-met> element within the <anyExt> element of the <entry> element within the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "ManualDeactivationNotAllowedIfLocationCriteriaMet" element of subclause 5.2.48W6C in 3GPP TS 24.483 [4]. When set to "true" the MCPTT user is not allowed to deactivate the functional alias while the location criteria for activation are met.

The <RulesForAffiliation> element within the <anyExt> element of the <entry> element within the <MCPTTGroupInfo> list element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCPTT client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCPTT client triggers the group affiliation. It corresponds to the "RulesForAffiliation" element of subclause 5.2.48B4A in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcpttup: GeographicalAreaChangeType". It is an optional element indicating the location related criteria of a rule. The <ListOfLocationCriteria> element has the following sub-elements:

a) <EnterSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element indicating a geographical area which when entered triggers the evaluation of the rules. If any rule is fulfilled it triggers the group affiliation. The <EnterSpecificArea> element has the following sub-elements:

i] <PolygonArea>, an optional element specifying the area as a polygon specified in subclause 5.2 in 3GPP TS 23.032 [31];

ii) <EllipsoidArcArea>, an optional element specifying the area as an Ellipsoid Arc specified in subclause 5.7 in 3GPP TS 23.032 [31];

iii <anyExt> optional element which may contain a <Speed> element that has the following sub-elements:

A) <MinimumSpeed> is of type "unsignedShort", indicates the minimum speed that is considered in the evaluation of a rule for a specific area that would trigger affiliation and corresponds to the "MinimumSpeed" element of subclause 5.2.48B4A19 in 3GPP TS 24.483 [4].

B) <MaximumSpeed> is of type "unsignedShort", indicates the maximum speed that is considered in the evaluation of a rule for a specific area that would trigger affiliation and corresponds to the "MaximumSpeed" element of subclause 5.2.48B4A20 in 3GPP TS 24.483 [4].

iv) <anyExt> optional element which may contain a <Heading> element that has the following sub-elements:

A) <MinimumHeading> is of type "unsignedShort", indicates the minimum heading that is considered in the evaluation of a rule for a specific area that would trigger affiliation and corresponds to the "Minimum" element of subclause 5.2.48B4A22 in 3GPP TS 24.483 [4]; and

B) <MaximumHeading> is of type "unsignedShort", indicates the maximum heading that is considered in the evaluation of a rule for a specific area that would trigger affiliation and corresponds to the "Maximum" element of subclause 5.2.48B4A23 in 3GPP TS 24.483 [4].

b) <ExitSpecificArea> element is of type "mcpttup: GeographicalAreaType". It is an optional element indicating a geographical area which when exited triggers the evaluation of the rules- If any rule is fulfilled it triggers it triggers the group affiliation. It has the same sub-elements as <EnterSpecificArea>.

- <ListOfActiveFunctionalAliasCriteria> containing one or more <entry> elements containing the <anyExt> element set to the functional alias whose activation or deactivation trigger evaluation of the rules and corresponds to the "FunctionalAlias" element of subclause 5.2.48B4A47 in 3GPP TS 24.483 [4];

The <RulesForDeaffiliation> element within the <anyExt> element of the <entry> element within the <MCPTTGroupInfo> list element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCPTT client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCPTT client triggers the group deaffiliation. It corresponds to the "RulesForDeaffiliation" element of subclause 5.2.48B4B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcpttup: GeographicalAreaChangeType". It is an optional element indicating the location related criteria of a rule.

- <ListOfActiveFunctionalAliasCriteria> containing one or more <entry> elements containg the <anyExt> element set to the functional alias whose activation or deactivation trigger evaluation of the rules and corresponds to the "FunctionalAlias" element of subclause 5.2.48B4B47 in 3GPP TS 24.483 [4];

The <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element within the <anyExt> element element within the <MCPTTGroupInfo> list element of the <anyExt> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "ManualDeaffiliationNotAllowedIfAffiliation RulesAreMet" element of subclause 5.2.48B6 in 3GPP TS 24.483 [4]. When set to "true" the MCPTT user is not allowed to deaffiliate from the group if the rules for affiliation are met.

The <call-forwarding-no-answer-timeout> element within the <anyExt> element of the <OnNetwork> element is of type "duration" and indicates the duration of the no answer timer for call forwarding and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4];

The <call-forwarding-condition> element within the <anyExt> element of the <OnNetwork> element is of type "string", and indicates the condition of the call forwarding and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4]:

- set to a value of "immediate" for call forwarding immediate; or

- set to a value of "no-answer" for call forwarding no answer.

The <allow-presence-status> element is of type Boolean, as specified in table 8.3.2.7-1, and corresponds to the "AllowedPresenceStatus" element of subclause 5.2.48E in 3GPP TS 24.483 [4].

Table 8.3.2.7-1: Values of <allow-presence-status>

|  |  |
| --- | --- |
| "true" | indicates to the MCPTT user that their presence on the network is available. |
| "false" | indicates to the MCPTT user that their presence on the network is not available |

The <allow-request-presence> element is of type Boolean, as specified in table 8.3.2.7-2, and corresponds to the "AllowedPresence" element of subclause 5.2.48F in 3GPP TS 24.483 [4].

Table 8.3.2.7-2: Values of <allow-request-presence>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to request whether a particular MCPTT User is present on the network. |
| "false" | indicates that the MCPTT user is not locally authorised to request whether a particular MCPTT User is present on the network. |

The <allow-query-availability-for-private-calls> element is of type Boolean, as specified in table 8.3.2.7-3, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-3: Values of <allow-query-availability-for-private-calls>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to query the availability of other MCPTT users to participate in a private call. |
| "false" | indicates that the MCPTT user is not locally authorised to query the availability of other MCPTT users to participate in a private call. |

The <allow-enable-disable-user> element is of type Boolean, as specified in table 8.3.2.7-4, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-4: Values of <allow-enable-disable-user>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to enable/disable other MCPTT users from receiving MCPTT service. |
| "false" | indicates that the MCPTT user is not locally authorised to enable/disable other MCPTT users from receiving MCPTT service. |

The <allow-enable-disable-UE> element is of type Boolean, as specified in table 8.3.2.7-5, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-5: Values of <allow-enable-disable-UE>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to enable/disable other MCPTT UEs from receiving MCPTT service. |
| "false" | indicates that the MCPTT user is not locally authorised to enable/disable other MCPTT UEs from receiving MCPTT service. |

The <allow-create-delete-user-alias> element is of type Boolean, as specified in table 8.3.2.7-6, and corresponds to the "AuthorisedAlias" element of subclause 5.2.9 in 3GPP TS 24.483 [4].

Table 8.3.2.7-6: Values of <allow-create-delete-user-alias>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to create or delete aliases of an MCPTT user and its associated user profiles. |
| "false" | indicates that the MCPTT user is not locally authorised to create or delete aliases of an MCPTT user and its associated user profiles. |

The <allow-private-call> element is of type Boolean, as specified in table 8.3.2.7-7, and corresponds to the "Authorised" element of subclause 5.2.13 in 3GPP TS 24.483 [4].

Table 8.3.2.7-7: Values of <allow-private-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call request using the procedures defined in 3GPP TS 24.379 [9]. The recipient must be a MCPTT user identified in a <entry> element of the <PrivateCall> element, which corresponds to leaf nodes of "UserList" in subclause 5.2.16 in 3GPP TS 24.483 [4]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, to reject private call request using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-manual-commencement> element is of type Boolean, as specified in table 8.3.2.7-8, and corresponds to the "ManualCommence" element of subclause 5.2.20 in 3GPP TS 24.483 [4].

Table 8.3.2.7-8: Values of <allow-manual-commencement>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call with manual commencement using the procedures defined in 3GPP TS 24.379 [9].  |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a private call with manual commencement using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-automatic-commencement> element is of type Boolean, as specified in table 8.3.2.7-9, corresponds to the "AutoCommence" element of subclause 5.2.21 in 3GPP TS 24.483 [4].

Table 8.3.2.7-9: Values of <allow-automatic-commencement>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call with automatic commencement using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a private call with automatic commencement using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-force-auto-answer> element is of type Boolean, as specified in table 8.3.2.7-10, and corresponds to the "AutoAnswer" element of subclause 5.2.22 in 3GPP TS 24.483 [4].

Table 8.3.2.7-10: Values of <allow-force-auto-answer>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call and force automatic commencement using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a private call and force automatic commencement using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-failure-restriction> element is of type Boolean, as specified in table 8.3.2.7-11, and corresponds to the "FailRestrict" element of subclause 5.2.23 in 3GPP TS 24.483 [4].

Table 8.3.2.7-11: Values of <allow-failure-restriction>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to restrict the notification of a call failure reason for a private call (with or without floor control) using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to restrict the notification of a call failure reason for a private call (with or without floor control) using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-emergency-group-call> element is of type Boolean, as specified in table 8.3.2.7-12, and corresponds to the "Enabled" element of subclause 5.2.33 in 3GPP TS 24.483 [4].

Table 8.3.2.7-12: Values of <allow-emergency-group-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request an emergency group call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request an emergency group call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-emergency-private-call> element is of type Boolean, as specified in table 8.3.2.7-13, and corresponds to the "Authorised" element of subclause 5.2.27 in 3GPP TS 24.483 [4].

Table 8.3.2.7-13: Values of <allow-emergency-private-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request an emergency private call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request an emergency private call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-cancel-group-emergency> element is of type Boolean, as specified in table 8.3.2.7-14, and corresponds to the "CancelMCPTTGroup" element of subclause 5.2.35 in 3GPP TS 24.483 [4].

Table 8.3.2.7-14: Values of <allow-cancel-group-emergency>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to cancel an emergency group call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to cancel an emergency group call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-cancel-private-emergency-call> element is of type Boolean, as specified in table 8.3.2.7-15, and corresponds to the "CancelPriority" element of subclause 5.2.28 in 3GPP TS 24.483 [4].

Table 8.3.2.7-15: Values of <allow-cancel-private-emergency-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to cancel an emergency priority in an emergency private call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to cancel an emergency priority in an emergency private call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-imminent-peril-call> element is of type Boolean, as specified in table 8.3.2.7-16, and corresponds to the "Authorised" element of subclause 5.2.37 in 3GPP TS 24.483 [4].

Table 8.3.2.7-16: Values of <allow-imminent-peril-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request an imminent peril group call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request an imminent peril group call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-cancel-imminent-peril> element is of type Boolean, as specified in table 8.3.2.7-17, and corresponds to the "Cancel" element of subclause 5.2.38 in 3GPP TS 24.483 [4].

Table 8.3.2.7-17: Values of <allow-cancel-imminent-peril>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to cancel an imminent peril group call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to cancel an imminent peril group call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-activate-emergency-alert> element is of type Boolean, as specified in table 8.3.2.7-18, and corresponds to the "Authorised" element of subclause 5.2.41 in 3GPP TS 24.483 [4].

Table 8.3.2.7-18: Values of <allow-activate-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-cancel-emergency-alert> element is of type Boolean, as specified in table 8.3.2.7-19, and corresponds to the "Cancel" element of subclause 5.2.42 in 3GPP TS 24.483 [4].

Table 8.3.2.7-19: Values of <allow-cancel-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-offnetwork> element is of type Boolean, as specified in table 8.3.2.7-20, and corresponds to the "Authorised" element of subclause 5.2.50 in 3GPP TS 24.483 [4].

Table 8.3.2.7-20: Values of <allow-offnetwork>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised for off-network operation using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised for off-network operation using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-imminent-peril-change> element is of type Boolean, as specified in table 8.3.2.7-21, and corresponds to the "ImminentPerilCallChange" element of subclause 5.2.57 in 3GPP TS 24.483 [4].

Table 8.3.2.7-21: Values of <allow-imminent-peril-change>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to change an off-network MCPTT group call in-progress to an off-network imminent peril group call using the procedures defined in 3GPP TS 24.379 [9]. The default value for the <allow-imminent-peril-change> element is "true" |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to change an off-network MCPTT group call in-progress to an off-network imminent peril group call using the proceduresdefined in 3GPP TS 24.379 [9]. |

The <allow-private-call-media-protection> element is of type Boolean, as specified in table 8.3.2.7-22, and corresponds to the "AllowedMediaProtection" element of subclause 5.2.24 in 3GPP 24.483 [4];

Table 8.3.2.7-22: Values of <allow-private-call-media-protection>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to protect the confidentiality and integrity of media for on-network and off-network private calls. The default value for the <allow-private-call-media-protection> element is "true". |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to protect the confidentiality and integrity of media for on-network and off-network private calls. |

The <allow-private-call-floor-control-protection> element is of type Boolean, as specified in table 8.3.2.7-23, and corresponds to the "AllowedFloorControlProtection" element of subclause 5.2.25 in 3GPP 24.483 [4];

Table 8.3.2.7-23: Values of <allow-private-call-floor-control-protection>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to protect the confidentiality and integrity of floor control signalling for both on-network and off-network private calls |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to protect the confidentiality and integrity of floor control signalling for both on-network and off-network private calls |

The <allow-request-affiliated-groups> element is of type Boolean, as specified in table 8.3.2.7-24, and does not appear in the user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-24: Values of <allow-request-affiliated-groups>

|  |  |
| --- | --- |
| "true" | Instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request the list of MCPTT groups to which a specified MCPTT user is affiliated. |
| "false" | Instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request the list of MCPTT groups to which the a specified MCPTT user is affiliated. |

The <allow-request-to-affiliate-other-users> element is of type Boolean, as specified in table 8.3.2.7-25, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-25: Values of <allow-request-to-affiliate-other-users>

|  |  |
| --- | --- |
| "true" | Instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request specified MCPTT user(s) to be affiliated to/deaffiliated from specified MCPTT group(s). |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request specified MCPTT user(s) to be affiliated to/deaffiliated from specified MCPTT group(s). |

The <allow-recommend-to-affiliate-other-users> element is of type Boolean, as specified in table 8.3.2.7-26, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-26: Values of <allow-recommend-to-affiliate-other-users>

|  |  |
| --- | --- |
| "true" | Instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to recommend to specified MCPTT user(s) to affiliate to specified MCPTT group(s). |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to recommend tospecified MCPTT user(s) to affiliate to specified MCPTT group(s). |

The <allow-private-call-to-any-user> element is of type Boolean, as specified in table 8.3.2.7-27, and corresponds to the "AuthorisedAny" element of subclause 5.2.14 in 3GPP TS 24.483 [4].

Table 8.3.2.7-27: Values of <allow-private-call-to-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call request using the procedures defined in 3GPP TS 24.379 [9]. The recipient is not constrained to MCPTT users identified in <entry> elements of the <PrivateCall> element i.e., to any MCPTT users.  |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, to reject private call requests using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-regroup> element is of type Boolean, as specified in table 8.3.2.7-28, and corresponds to the "AllowedRegroup" element of subclause 5.2.48D in 3GPP TS 24.483 [4].

Table 8.3.2.7-28: Values of <allow-regroup>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is locally authorised to send a dynamic regrouping request according to the procedures defined in 3GPP TS 24.481 [5]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not locally authorised to send a dynamic regrouping request according to the procedures defined in 3GPP TS 24.481 [5]. |

The <allow-private-call-participation> element is of type Boolean, as specified in table 8.3.2.7-29, and corresponds to the "EnabledParticipation" element of subclause 5.2.48G in 3GPP TS 24.483 [4].

Table 8.3.2.7-29: Values of <allow-private-call-participation>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to participate in private calls that they are invited to using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user to reject private call requests that they are invited to using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-override-of-transmission> element is of type Boolean, as specified in table 8.3.2.7-30, and corresponds to the "AllowedTransmission" element of subclause 5.2.48H in 3GPP TS 24.483 [4].

Table 8.3.2.7-30: Values of <allow-override-of-transmission>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to override transmission in a private call. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to override transmission in a private call |

The <allow-manual-off-network-switch> element is of type Boolean, as specified in table 8.3.2.7-31, and corresponds to the "AllowedManualSwitch" element of subclause 5.2.48I in 3GPP TS 24.483 [4].

Table 8.3.2.7-31: Values of <allow-manual-off-network-switch>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to manually switch to off-network operation while in on-network operation using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to manually switch to off-network operation while in on-network operation using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-listen-both-overriding-and-overridden> element is of type Boolean, as specified in table 8.3.2.7-32, and corresponds to the "AllowedListen" element of subclause 5.2.54 in 3GPP TS 24.483 [4].

Table 8.3.2.7-32: Values of <allow-listen-both-overriding-and-overridden>

|  |  |
| --- | --- |
| "true" | Indicates that the MCPTT user is allowed to listen both overriding and overriden transmissions during off-network operation. |
| "false" | Indicates that the MCPTT user is not allowed to listen both overriding and overriden transmissions during off-network operation. |

The <allow-transmit-during-override> element is of type Boolean, as specified in table 8.3.2.7-33, and corresponds to the "AllowedTransmission" element of subclause 5.2.55 in 3GPP TS 24.483 [4].

Table 8.3.2.7-33: Values of <allow-transmit-during-override>

|  |  |
| --- | --- |
| "true" | Indicates that the MCPTT user is allowed to transmit in case of override (overriding and/or overridden).during off-network operation. |
| "false" | Indicates that the MCPTT user is not allowed to transmit in case of override (overriding and/or overridden).during off-network operation. |

The <allow-off-network-group-call-change-to-emergency> element is of type Boolean, as specified in table 8.3.2.7-34, and corresponds to the "EmergencyCallChange" element of subclause 5.2.56 in 3GPP TS 24.483 [4].

Table 8.3.2.7-34: Values of <allow-off-network-group-call-change-to-emergency>

|  |  |
| --- | --- |
| "true" | Indicates that the MCPTT user is allowed to to change an off-network group call in-progress to an off-network MCPTT emergency group call. |
| "false" | Indicates that the MCPTT user is not allowed to change an off-network group call in-progress to an off-network MCPTT emergency group call. |

The <allow-revoke-transmit> element is of type Boolean, as specified in table 8.3.2.7-35, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-35: Values of <allow-revoke-transmit>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to revoke the permission to transmit of another participant. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to revoke the permission to transmit of another participant. |

The <allow-create-group-broadcast-group> element is of type Boolean, as specified in table 8.3.2.7-36, and corresponds to the "Authorised" element of subclause 5.2.46 in 3GPP TS 24.483 [4].

Table 8.3.2.7-36: Values of <allow-create-group-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to send a request to create a group-broadcast group according to the procedures of 3GPP TS 24.481 [5]. |
| "false" | Indicates that the MCPTT user is not locally authorised to send a request to create a group-broadcast group according to the procedures of 3GPP TS 24.481 [5]. |

The <allow-create-user-broadcast-group> element is of type Boolean, as specified in table 8.3.2.7-37, and corresponds to the "Authorised" element of subclause 5.2.48 in 3GPP TS 24.483 [4].

Table 8.3.2.7-37: Values of <allow-create-user-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is locally authorised to send a request to create a user-broadcast group according to the procedures of 3GPP TS 24.481 [5]. |
| "false" | Indicates that the MCPTT user is not locally authorised to send a request to create a user-broadcast group according to the procedures of 3GPP TS 24.481 [5]. |

The <allow-request-private-call-call-back> element is of type Boolean, as specified in table 8.3.2.7-38, and corresponds to the "AllowedCallBackRequest" element of subclause 5.2.48P in 3GPP TS 24.483 [4].

Table 8.3.2.7-38: Values of <allow-request-private-call-call-back>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a private call call-back using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a private call call-back using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-cancel-private-call-call-back > element is of type Boolean, as specified in table 8.3.2.7-39, and corresponds to the "AllowedCallBackCancelRequest" element of subclause 5.2.48Q in 3GPP TS 24.483 [4].

Table 8.3.2.7-39: Values of <allow-cancel-private-call-call-back>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to cancel a private call call-back cancel using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to cancel a private call call-back using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-request-remote-initiated-ambient-listening> element is of type Boolean, as specified in table 8.3.2.7-40, and corresponds to the "AllowedRemoteInitiatedAmbientListening" element of subclause 5.2.48R in 3GPP TS 24.483 [4].

Table 8.3.2.7-40: Values of <allow-request-remote-initiated-ambient-listening>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a remote initiated ambient listening call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a remote initiated ambient listening call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-request-locally-initiated-ambient-listening> element is of type Boolean, as specified in table 8.3.2.7-41, and corresponds to the "AllowedLocallyInitiatedAmbientListening" element of subclause 5.2.48S in 3GPP TS 24.483 [4].

Table 8.3.2.7-41: Values of <allow-request-locally-initiated-ambient-listening>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a locally initiated ambient listening call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a locally initiated ambient listening call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-request-first-to-answer-call> element is of type Boolean, as specified in table 8.3.2.7-42, and corresponds to the "AllowedRequestFirstToAnswerCall" element of subclause 5.2.48T in 3GPP TS 24.483 [4].

Table 8.3.2.7-42: Values of <allow-request-first-to-answer-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a first-to-answer call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a first-to-answer call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-request-remote-init-private-call> element is of type Boolean, as specified in table 8.3.2.7-43, and corresponds to the "AllowedRequestRemoteInitPrivateCall" element of subclause 5.2.48W1 in 3GPP TS 24.483 [4].

Table 8.3.2.7-43: Values of <allow-request-remote-init-private-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a remotely initiated private call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a remotely initiated private call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-request-remote-init-group-call> element is of type Boolean, as specified in table 8.3.2.7-44, and corresponds to the "AllowedRequestRemoteInitGroupCall" element of subclause 5.2.48W2 in 3GPP TS 24.483 [4].

Table 8.3.2.7-44: Values of <allow-request-remote-init-group-call>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a remotely initiated group call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to request a remotely initiated group call using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-query-functional-alias-other-user> element is of type Boolean, as specified in table 8.3.2.7-45, and corresponds to the "AllowedQueryFunctionalAliasOtherUser" element of subclause 5.2.48W8 in 3GPP TS 24.483 [4].

Table 8.3.2.7-45: Values of <allow-query-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to query the functional alias(es) activated by another MCPTT user using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to query the functional alias(es) activated by another MCPTT user using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-takeover-functional-alias-other-user> element is of type Boolean, as specified in table 8.3.2.7-46, and corresponds to the "AllowedTakeoverFunctionalAliasOtherUser" element of subclause 5.2.48W9 in 3GPP TS 24.483 [4].

Table 8.3.2.7-46: Values of <allow-takeover-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to take over the functional alias(es) previously activated by another MCPTT user using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the participating MCPTT function for the MCPTT user, that the MCPTT user is not authorised to take over the functional alias(es) previously activated by another MCPTT user using the procedures defined in 3GPP TS 24.379 [9]. |

The <allow-location-info-when-talking> element is of type Boolean, as specified in table 8.3.2.7-47, and corresponds to the "AllowedLocationInfoWhenTalking" element of subclause 5.2.48W10 in 3GPP TS 24.483 [4].

Table 8.3.2.7-47: Values of <allow-location-info-when-talking>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT user that it is authorised to send its location information on the signalling it uses to request the floor on a call;instructs the MCPTT server performing the participating MCPTT function for the MCPTT user that the location information for the MCPTT user is authorised to be sent to the MCPTT server performing the controlling MCPTT function for the call;instructs the MCPTT server performing the controlling MCPTT function for the call that it is authorised to send the location information for the MCPTT user, when the MCPTT user is talking, to other MCPTT users. |
| "false" | instructs the MCPTT user that it is not authorised to send its location information on the signalling it uses to request the floor on a call;instructs the MCPTT server performing the participating MCPTT function for the MCPTT user that the location information for the MCPTT user is not authorised to be sent to the MCPTT server performing the controlling MCPTT function for the call;instructs the MCPTT server performing the controlling MCPTT function for the call that it is not authorised to send the location information for the MCPTT user, when the MCPTT user is talking, to other MCPTT users on the call. |

The <allow-to-receive-private-call-from-any-user> element is of type Boolean, as specified in table 8.3.2.7-28, and corresponds to the "AuthorisedIncomingAny" element of subclause 5.2.48X in 3GPP TS 24.483 [4].

Table 8.3.2.7-48: Values of <allow-to-receive-private-call-from-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to receive a private call request using the procedures defined in 3GPP TS 24.379 [9]. The recipient is not constrained to be called by MCPTT users identified in <entry> elements of the <IncomingPrivateCallList> element i.e., by any MCPTT user.  |
| "false" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, to reject private call requests using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-to-receive-non-acknowledged-users-information> element is of type Boolean, as specified in table 8.3.2.7-49, and corresponds to the "AuthorisedReceiveNonAcknowledged" element of subclause 5.2.48Z in 3GPP TS 24.483 [4].

Table 8.3.2.7-49: Values of <allow-to-receive-non-acknowledged-users-information>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is authorised to receive information of all the users that did not acknowledge an invitation to a group call, and were affiliated and marked with the <on-network-required> on the group document.  |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the MCPTT user is not authorised to receive information of the users that did not acknowledge an invitation to a group call, and were affiliated and marked with the <on-network-required> on the group document. |

The <allow-call-transfer> element is of type Boolean, as specified in table 8.3.2.7-50, and corresponds to the "AllowedCallTransfer" element of subclause 5.2.48T1 in 3GPP TS 24.483 [4].

Table 8.3.2.7-50: Values of <allow-call-transfer>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request a transfer of a private call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, to reject call transfer requests of private calls using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-call-transfer-to-any-user> element is of type Boolean, as specified in table 8.3.2.7-51, and corresponds to the "AllowedCallTransferAny" element of subclause 5.2.48T2 in 3GPP TS 24.483 [4].

Table 8.3.2.7-51: Values of <allow-call-transfer-to-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request the transfer of a private call to any user using the procedures defined in 3GPP TS 24.379 [9]. For call transfers to MCPTT IDs, the target is not constrained to be identified in <entry> elements of the <AllowedTargetMCPTTIDList> element, and for call transfers to functional aliases the target is not constrained to be identified in <entry> elements of the <AllowedTargetFunctionalAliasIDList> element i.e., to any MCPTT user. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, to reject private call transfer requests to target users that are not present as entry elements in the lists of allowed targets for private call transfers (<AllowedTargetMCPTTIDList>/<AllowedTargetFunctionalAliasIDList>) using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-call-forwarding> element is of type Boolean, as specified in table 8.3.2.7-52, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-52: Values of <allow-call-forwarding>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request forwarding immediate and no answer of a private call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, to reject call forwarding immediate and no answer of private calls using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <call-forwarding-on> element is of type Boolean, as specified in table 8.3.2.7-53, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-53: Values of <call-forwarding-on>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user has forwarding immediate or call forwarding no answer of private calls using the procedures defined in 3GPP TS 24.379 [9] enabled. |
| "false" | instructs the MCPTT server performing the terminating participating MCPTT function for the MCPTT user, that the MCPTT user has call forwarding immediate or call forwarding no answer of private calls using the procedures defined in 3GPP TS 24.379 [9] disabled. This shall be the default value taken in the absence of the element; |

The <forwarding-to-functional-alias> element is of type Boolean, as specified in table 8.3.2.7-54, and does not appear in the MCPTT user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 8.3.2.7-54: Values of <forward-to-functional-alias>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the target of the private call forwarding is a functional alias using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the controlling MCPTT function for the MCPTT user, that the target of the private call forwarding is a MCPTT ID using the procedures defined in 3GPP TS 24.379 [9]. This shall be the default value taken in the absence of the element; |

The <allow-call-forward-manual-input> element is of type Boolean, as specified in table 8.3.2.7-55, and corresponds to the "AllowedCallForwardManualInput" element of subclause 5.2.48T3 in 3GPP TS 24.483 [4].

Table 8.3.2.7-55: Values of <allow-call-forward-manual-input>

|  |  |
| --- | --- |
| "true" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, that the MCPTT user is authorised to request call forwarding based on manual user input of a private call to any MCPTT user using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the MCPTT server performing the originating participating MCPTT function for the MCPTT user, to reject private call forwarding based on manual user input requests to any MCPTT user; |

\* \* \* Next Change \* \* \* \*

#### 8.4.2.1 Structure

The service configuration document structure is specified in this subclause.

The <service configuration> document:

1) shall include a "domain" attribute;

2) may include a <common> element;

3) may include an <on-network> element;

4) may include an <off-network> element; and

5) may include any other attribute for the purposes of extensibility.

The <common> element:

1) may include a <min-length-alias> element;

2) may contain a <broadcast-group> element containing:

a) a <num-levels-group-hierarchy> element; and

b) a <num-levels-user-hierarchy> element;

The <on-network> element:

1) may contain a <emergency-call> element containing:

a) a <private-cancel-timeout> element; and

b) a <group-time-limit> element.

2) may contain a <private-call> element containing:

a) a <hang-time> element;

b) a <max-duration-with-floor-control> element; and

c) a <max-duration-without-floor-control> element;

3) may contain a <num-levels-hierarchy> element;

4) may contain a <transmit-time> element containing:

a) a <time-limit> element; and

b) a <time-warning> element;

5) may contain a <hang-time-warning> element;

6) may contain a <floor-control-queue> element containing:

a) a <depth> element; and

b) a <max-user-request-time> element; and

7) shall contain a <fc-timers-counters> element containing:

a) a <T1-end-of-rtp-media> element;

b) a <T3-stop-talking-grace> element;

c) a <T7-floor-idle> element;

d) a <T8-floor-revoke> element;

e) a <T11-end-of-RTP-dual> element;

f) a <T12-stop-talking-dual> element;

g) a <T15-conversation> element;

h) a <T16-map-group-to-bearer> element;

i) a <T17-unmap-group-to-bearer> element;

j) a <T20-floor-granted> element;

k) a <T55-connect> element;

l) a<T56-disconnect> element;

m) a <C7-floor-idle> element;

n) a <C17-unmap-group-to-bearer> element;

o) a <C20-floor-granted> element;

p) a <C55-connect> element; and

q) a <C56-disconnect> element;

8) may contain a <signalling-protection> element containing:

a) a <confidentiality-protection> element; and

b) an <integrity-protection> element;

9) shall include one <emergency-resource-priority> element containing:

a) one <resource-priority-namespace> string element containing a namespace defined in IETF RFC 8101 [20]; and

b) one <resource-priority-priority> string element element containing a priority level in the range specified in IETF RFC 8101 [20];

10) shall include one <imminent-peril-resource-priority> element containing:

a) one <resource-priority-namespace> string element containing a namespace defined in IETF RFC 8101 [20]; and

b) one <resource-priority-priority> string element element containing a priority level in the range specified in IETF RFC 8101 [20];

11) shall include one <normal-resource-priority> element containing:

a) one <resource-priority-namespace> string element containing a namespace defined in IETF RFC 8101 [20]; and

b) one <resource-priority-priority> string element element containing a priority level in the range specified in IETF RFC 8101 [20]; and

12) may contain a <protection-between-mcptt-servers> element containing:

a) an <allow-signalling-protection> element; and

b) an <allow-floor-control-protection> element; and

13) may contain an <anyExt> element containing:

a) a <functional-alias-list> element containing one or more <functional-alias-entry> elements each containing:

i) a <functional-alias> element;

ii) a <max-simultaneous-activations> element;

iii) an <allow-takeover> element;

iv) an <mcptt-user-list> element; and

v) may contain an <anyExt> element containing a <functional-alias-priority> element; and

b) a <max-simultaneous-authorizations> element; and

c) a <max-immediate-forwardings> element.

The <off-network> element:

1) may contain a <emergency-call> element containing:

a) a <private-cancel-timeout> element; and

b) a <group-time-limit> element.

2) may contain a <private-call> element containing:

a) a <hang-time> element; and

b) a <max-duration-with-floor-control> element;

3) may contain a <num-levels-hierarchy> element;

4) may contain a <transmit-time> element containing:

a) a <time-limit> element; and

b) a <time-warning> element.

5) may contain a <hang-time-warning> element;

6) may contain a <default-prose-per-packet-priority> element; and

7) may contain a <allow-log-metadata> element.

\* \* \* Next Change \* \* \* \*

#### 8.4.2.3 XML Schema

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"

xmlns:xs="http://www.w3.org/2001/XMLSchema"

targetNamespace="urn:3gpp:ns:mcpttServiceConfig:1.0"

xmlns:mcpttsc="urn:3gpp:ns:mcpttServiceConfig:1.0">

<xs:import namespace="http://www.w3.org/XML/1998/namespace"

schemaLocation="http://www.w3.org/2001/xml.xsd"/>

<!-- the root element -->

 <xs:element name="service-configuration-info" type="mcpttsc:service-configuration-info-Type"/>

<!-- the root type -->

<!-- this is refined with one or more sub-types -->

 <xs:complexType name="service-configuration-info-Type">

 <xs:sequence>

 <xs:element name="service-configuration-params" type="mcpttsc:service-configuration-params-Type" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

<!-- definition of the service-configuration-params-Type subtype-->

 <xs:complexType name="service-configuration-params-Type">

 <xs:sequence>

 <xs:element name="common" type="mcpttsc:commonType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="on-network" type="mcpttsc:on-networkType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="off-network" type="mcpttsc:off-networkType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:attribute name="domain" type="xs:anyURI" use="required"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="commonType">

 <xs:sequence>

 <xs:element name="min-length-alias" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="broadcast-group" type="mcpttsc:broadcast-groupType" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="on-networkType">

 <xs:sequence>

 <xs:element name="emergency-call" type="mcpttsc:emergency-callType" minOccurs="0"/>

 <xs:element name="private-call" type="mcpttsc:private-callType" minOccurs="0"/>

 <xs:element name="num-levels-priority-hierarchy" type="mcpttsc:priorityhierarchyType" minOccurs="0"/>

 <xs:element name="transmit-time" type="mcpttsc:transmit-timeType" minOccurs="0"/>

 <xs:element name="hang-time-warning" type="xs:duration" minOccurs="0"/>

 <xs:element name="floor-control-queue" type="mcpttsc:floor-control-queueType" minOccurs="0"/>

 <xs:element name="fc-timers-counters" type="mcpttsc:fc-timers-countersType"/>

 <xs:element name="signalling-protection" type="mcpttsc:signalling-protectionType" minOccurs="0"/>

 <xs:element name="protection-between-mcptt-servers" type="mcpttsc:server-protectionType" minOccurs="0"/>

 <xs:element name="emergency-resource-priority" type="mcpttsc:resource-priorityType"/>

 <xs:element name="imminent-peril-resource-priority" type="mcpttsc:resource-priorityType"/>

 <xs:element name="normal-resource-priority" type="mcpttsc:resource-priorityType"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="off-networkType">

 <xs:sequence>

 <xs:element name="emergency-call" type="mcpttsc:emergency-callType" minOccurs="0"/>

 <xs:element name="private-call" type="mcpttsc:private-callType" minOccurs="0"/>

 <xs:element name="num-levels-priority-hierarchy" type="mcpttsc:priorityhierarchyType" minOccurs="0"/>

 <xs:element name="transmit-time" type="mcpttsc:transmit-timeType" minOccurs="0"/>

 <xs:element name="hang-time-warning" type="xs:duration" minOccurs="0"/>

 <xs:element name="default-prose-per-packet-priority" type="mcpttsc:default-prose-per-packet-priorityType" minOccurs="0"/>

 <xs:element name="allow-log-metadata" type="xs:boolean" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="private-callType">

 <xs:sequence>

 <xs:element name="hang-time" type="xs:duration" minOccurs="0"/>

 <xs:element name="max-duration-with-floor-control" type="xs:duration" minOccurs="0"/>

 <xs:element name="max-duration-without-floor-control" type="xs:duration" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="broadcast-groupType">

 <xs:sequence>

 <xs:element name="num-levels-group-hierarchy" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="num-levels-user-hierarchy" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="fc-timers-countersType">

 <xs:sequence>

 <xs:element name="T1-end-of-rtp-media" type="xs:duration"/>

 <xs:element name="T3-stop-talking-grace" type="xs:duration"/>

 <xs:element name="T7-floor-idle" type="xs:duration"/>

 <xs:element name="T8-floor-revoke" type="xs:duration"/>

 <xs:element name="T11-end-of-RTP-dual" type="xs:duration"/>

 <xs:element name="T12-stop-talking-dual" type="xs:duration"/>

 <xs:element name="T15-conversation" type="xs:duration"/>

 <xs:element name="T16-map-group-to-bearer" type="xs:duration"/>

 <xs:element name="T17-unmap-group-to-bearer" type="xs:duration"/>

 <xs:element name="T20-floor-granted" type="xs:duration"/>

 <xs:element name="T55-connect" type="xs:duration"/>

 <xs:element name="T56-disconnect" type="xs:duration"/>

 <xs:element name="C7-floor-idle" type="xs:unsignedShort"/>

 <xs:element name="C17-unmap-group-to-bearer" type="xs:unsignedShort"/>

 <xs:element name="C20-floor-granted" type="xs:unsignedShort"/>

 <xs:element name="C55-connect" type="xs:unsignedShort"/>

 <xs:element name="C56-disconnect" type="xs:unsignedShort"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="emergency-callType">

 <xs:sequence>

 <xs:element name="private-cancel-timeout" type="xs:duration" minOccurs="0"/>

 <xs:element name="group-time-limit" type="xs:duration" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="transmit-timeType">

 <xs:sequence>

 <xs:element name="time-limit" type="xs:duration" minOccurs="0"/>

 <xs:element name="time-warning" type="xs:duration" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="floor-control-queueType">

 <xs:sequence>

 <xs:element name="depth" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="max-user-request-time" type="xs:duration" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="default-prose-per-packet-priorityType">

 <xs:sequence>

 <xs:element name="mcptt-private-call-signalling" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="mcptt-private-call-media" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="mcptt-emergency-private-call-signalling" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="mcptt-emergency-private-call-media" type="xs:unsignedShort" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="signalling-protectionType">

 <xs:sequence>

 <xs:element name="confidentiality-protection" type="xs:boolean" minOccurs="0" default="true"/>

 <xs:element name="integrity-protection" type="xs:boolean" minOccurs="0" default="true"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="server-protectionType">

 <xs:sequence>

 <xs:element name="allow-signalling-protection" type="xs:boolean" minOccurs="0" default="true"/>

 <xs:element name="allow-floor-control-protection" type="xs:boolean" minOccurs="0" default="true"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="resource-priorityType">

 <xs:sequence>

 <xs:element name="resource-priority-namespace" type="xs:string"/>

 <xs:element name="resource-priority-priority" type="xs:string"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <!-- simple type for priority element -->

 <xs:simpleType name="priorityhierarchyType">

 <xs:restriction base="xs:unsignedShort">

 <xs:minInclusive value="4"/>

 <xs:maxInclusive value="256"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:element name="functional-alias-list" type="mcpttsc:functional-alias-listType"/>

 <xs:complexType name="functional-alias-listType">

 <xs:sequence>

 <xs:element name="functional-alias-entry" type="mcpttsc:functional-alias-entryType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="functional-alias-entryType">

 <xs:sequence>

 <xs:element name="functional-alias" type="xs:anyURI"/>

 <xs:element name="max-simultaneous-activations" type="xs:positiveInteger"/>

 <xs:element name="allow-takeover" type="xs:boolean"/>

 <xs:element name="mcptt-user-list" type="mcpttsc:ListEntryType"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:element name="functional-alias-priority" type="xs:positiveInteger"/>

 <xs:element name="max-simultaneous-authorizations" type="xs:positiveInteger"/>

 <xs:element name="max-immediate-forwardings" type="xs:positiveInteger"/>

 <xs:complexType name="ListEntryType">

 <xs:choice minOccurs="0" maxOccurs="unbounded">

 <xs:element name="entry" type="mcpttsc:EntryType"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:choice>

 <xs:attribute ref="xml:lang"/>

 <xs:attributeGroup ref="mcpttsc:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="EntryType">

 <xs:sequence>

 <xs:element name="uri-entry" type="xs:anyURI"/>

 <xs:element name="display-name" type="mcpttsc:DisplayNameElementType" minOccurs="0"/>

 <xs:element name="anyExt" type="mcpttsc:anyExtType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 <xs:attributeGroup ref="mcpttsc:IndexType"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:attributeGroup name="IndexType">

 <xs:attribute name="index" type="xs:token"/>

 </xs:attributeGroup>

 <xs:complexType name="DisplayNameElementType">

 <xs:simpleContent>

 <xs:extension base="xs:string">

 <xs:attribute ref="xml:lang"/>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:extension>

 </xs:simpleContent>

 </xs:complexType>

 <xs:complexType name="anyExtType">

 <xs:sequence>

 <xs:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 </xs:sequence>

 </xs:complexType>

</xs:schema>

\* \* \* Next Change \* \* \* \*

#### 8.4.2.7 Data Semantics

The "domain" attribute of the <service-configuration-params> element contains the domain name of the mission critical organization.

The <common> element contains service configuration data common to both on and off network service.

The <on-network> element contains service configuration data for on-network service only.

The <off-network> element contains service configuration data for off-network service only.

In the <common> element:

1) the <min-length-alias> element contains the minimum length (N3) of alphanumeric names assigned to MCPTT users by the MCPTT administrator, which corresponds to the "MinLengthAliasID" element as specified in subclause 7.2.9 of 3GPP TS 24.483 [4];

2) the <num-levels-group-hierarchy> element of the <broadcast-group> element contains an integer indicating the number levels of group hierarchy for group-broadcast groups, which corresponds to the "NumLevelGroupHierarchy" element as specified in subclause 7.2.7 of 3GPP TS 24.483 [4]; and

3) the <num-levels-user-hierarchy> element of the <broadcast-group> element contains an integer indicating the number levels of user hierarchy for user-broadcast groups, which corresponds to the "NumLevelUserHierarchy" element as specified in subclause 7.2.8 of 3GPP TS 24.483 [4];

In the <on-network> element:

1) the <private-cancel-timeout> element of the <emergency-call> element contains the timeout value for the cancellation of an in-progress on-network emergency private call;

2) the <group-time-limit> element of the <emergency-call> element contains the time limit for an in-progress on-network emergency call on an MCPTT group;

3) the <hang-time> element of the <private-call> element contains the value of the hang timer for on-network private calls;

NOTE 1: The hang time is a configurable maximum length of the inactivity (silence) period between consecutive MCPTT transmissions within the same call.

4) the <max-duration-with-floor-control> element of the <private-call> element contains the maximum duration allowed for an on-network private call with floor control;

5) the <max-duration-without-floor-control > element of the <private-call> element contains the maximum duration allowed for an on-network private call without floor control;

6) the <num-levels-priority-hierarchy> element contains a priority hierarchy for determining what participants, participant types, and urgent transmission types shall be granted a request to override an active on-network MCPTT transmission. Absence of the <num-levels-priority-hierarchy> element in the <on-network> element indicates that the lowest possible value is used according to the schema, to represent the priority hierarchy;

NOTE 2: The higher the value from the priority hierarchy assigned to a participant, the higher the priority given to override an active transmission.

7) the <time-limit> element of the <transmit-time> element contains the transmit time limit in an on-network group or private call transmission;

8) the <time-warning> element of the <transmit-time> element contains the warning time before the on-network transmit time is reached;

9) the <hang-time-warning> element contains the warning time before the on-network hang time is reached;

10) the <depth> element of the <floor-control-queue> element contains the maximum size of the floor control queue;

11) the <max-user-request-time> element of the <floor-control-queue> element contains the maximum time for a user's floor control request to be queued;

12) the <T1-end-of-rtp-media> element of the <fc-timers-counters> element contains the maximum allowed time between RTP media packets;

13) the <T3-stop-talking-grace> element of the <fc-timers-counters> element contains the maximum time the floor control server shall forward RTP media packets after that the permission to send RTP media is revoked;

14) the <T7-floor-idle> element of the <fc-timers-counters> element contains the retransmission interval of the Floor Idle message when the floor is idle. The maximum number of times the Floor Idle is retransmitted is controlled by the counter in the <C7-floor-idle> element;

15) the <T8-floor-revoke> element of the <fc-timers-counters> element contains the retransmission interval time of the Floor Revoke message until the Floor Release message is received;

16) the <T11-end-of-RTP-dual> element of the <fc-timers-counters> element contains the maximum allowed time between RTP media packets for the interrupting participant during dual floor operations;

17) the <T12-stop-talking-dual> element of the <fc-timers-counters> element contains the transmit time limit in an on-network group for the interrupting participant during dual floor operations;

18) the <T15-conversation> element of the <fc-timers-counters> element contains the maximum allowed time of silence in a group session involving an MBMS bearer before the MBMS subchannel shall be released;

19) the <T16-map-group-to-bearer> element of the <fc-timers-counters> element contains the retransmission interval of the Map Group To Bearer message;

20) the <T17-unmap-group-to-bearer> element of the <fc-timers-counters> element contains the retransmission interval of the Unmap Group To Bearer message;

21) the <T20-floor-granted> element of the <fc-timers-counters> element contains the time the floor control server shall wait before retransmitting the Floor Granted message until the Floor Request message is received. The number of times the Floor Granted message shall be sent is controlled by the counter in <C20-floor-granted> element;

22) the <T55-connect> element of the <fc-timers-counters> element contains the retransmission interval of the Connect message. The number of times the Connect message is retransmitted is controlled by the counter in <C56-disconnect> element;

23) the <T56-disconnect> element of the <fc-timers-counters> element contains the retransmission interval of the Disconnect message. The number of times the Disconnect message is retransmitted is controlled by the counter in <C55-connect> element;

24) the <C7-floor-idle> element of the <fc-timers-counters> element contains the maximum number of times the Floor Idle shall be sent;

25) the <C17-unmap-group-to-bearer> element of the <fc-timers-counters> element contains the retransmission interval of the Unmap Group To Bearer message;

26) the <C20-floor-granted> element of the <fc-timers-counters> element contains the maximum times the Floor Granted message shall be retransmitted.

27) the <C55-connect> element of the <fc-timers-counters> element contains the maximum number of times the Connect message is retransmitted;

28) the <C56-disconnect> element of the <fc-timers-counters> element contains the maximum number of times the Disconnect message is retransmitted;

29) the <confidentiality-protection> element of the <signalling-protection> element contains a boolean indicating whether confidentiality protection of MCPTT signalling is enabled or disabled between the MCPTT client and MCPTT server;

30) the <integrity-protection> element of the <signalling-protection> element contains a boolean indicating whether integrity protection of MCPTT signalling is enabled or disabled between the MCPTT client and MCPTT server;

31) The <emergency-resource-priority> element is of type "resource-priorityType" and indicates how a Resource-Priority header field is to be populated for MCPTT emergency calls;

32) The <imminent-peril-resource-priority> element is of type "resource-priorityType" and indicates how a Resource-Priority header field is to be populated for MCPTT Imminent Peril calls;

33) The <normal-resource-priority> element is of type "resource-priorityType" and indicates how a Resource-Priority header field is to be populated when downgrading to normal priority from an MCPTT emergency call or MCPTT imminent peril call;

34) the <allow-signalling-protection> element of the <protection-between-mcptt-servers> element contains a boolean indicating whether protection of MCPTT signalling is enabled between MCPTT servers; and

35) the <allow-floor-control-protection> element of the <protection-between-mcptt-servers> element contains a boolean indicating whether protection of MCPTT floor control signalling is enabled between MCPTT servers;

36) the <functional-alias> element of the <functional-alias-entry> element of the <functional-alias-list> element of the <anyExt> element is of type "anyURI" and contains the identity of a functional alias;

37) the <max-simultaneous-activations> element of the <functional-alias-entry> element of the <functional-alias-list> element of the <anyExt> element is of type "positiveInteger" and contains the allowed number of concurrent activations that are allowed for the functional alias contained in the corresponding <functional-alias> element;

38) the <allow-takeover> element of the <functional-alias-entry> element of the <functional-alias-list> element of the <anyExt> element is of type "boolean" and indicates whether take over by another MCPTT user is allowed for a currently activated functional alias contained in the corresponding <functional-alias> element;

39) the <entry> element of the <mcptt-user-list> element of the <functional-alias-entry> element of the <functional-alias-list> element of the <anyExt> element is of type "entryType" and contains the MCPTT ID of an MCPTT user that is allowed to activate the functional alias contained in the corresponding <functional-alias> element;

40) the <functional-alias-priority> element in the <anyExt> element of the <functional-alias-entry> element of the <functional-alias-list> element in the <anyExt> element is of type "positiveInteger" and indicates the relative priority level of the functional alias contained in the corresponding <functional-alias> element;

NOTE 3: The usage of this parameter by the MCPTT server is up to implementation.

41) the <max-simultaneous-authorizations> element of the <anyExt> element is of type "positiveInteger" and indicates the maximum allowed number of simultaneous service authorizations for an MCPTT user; and

NOTE 4: The default values of the <confidentiality-protection> element, the <integrity-protection> element, the <allow-signalling-protection> element and the <allow-floor-control-protection> element are "true".

42) the <max-immediate-forwardings> element of the <anyExt> element is of type "positiveInteger" and indicates the maximum allowed number of immediate call forwardings.

In the <off-network> element:

1) the <private-cancel-timeout> element of the <emergency-call> element contains the timeout value for the cancellation of an in-progress off-network emergency private call, which corresponds to the "CancelTimeout" element as specified in subclause 7.2.14 of 3GPP TS 24.483 [4];

2) the <group-time-limit> element of the <emergency-call> element contains the time limit for an in-progress off-network emergency call on an MCPTT group, which corresponds to the "MCPTTGroupTimeout" element as specified in subclause 7.2.16 of 3GPP TS 24.483 [4];

3) the <hang-time> element of the <private-call> element contains the value of the hang timer for off-network private calls, which corresponds to the "HangTime" element as specified in subclause 7.2.13 of 3GPP TS 24.483 [4];

4) the <max-duration-with-floor-control> element of the <private-call> element contains the maximum duration allowed for an off-network private call with floor control, which and corresponds to the "MaxDuration" element as specified in subclause 7.2.12 of 3GPP TS 24.483 [4];

5) the <num-levels-priority-hierarchy> element contains a priority hierarchy for determining what participants, participant types, and urgent transmission types shall be granted a request to override an active off-network MCPTT transmission, which corresponds to the "NumLevelHierarchy" element as specified in subclause 7.2.17 of 3GPP TS 24.483 [4]. Absence of the <num-levels-priority-hierarchy> element in the <off-network> element indicates that the lowest possible value is used according to the schema to represent the priority hierarchy;

NOTE 4: The higher the value from the priority hierarchy assigned to a participant, the higher the priority given to override an active transmission;

6) the <time-limit> element of the <transmit-time> element contains the transmit time limit in an off-network group or private call transmission, which corresponds to the "TransmitTimeout" element as specified in subclause 7.2.18 of 3GPP TS 24.483 [4];

7) the <time-warning> element of the <transmit-time> element contains the warning time before the off-network transmit time is reached, which corresponds to the "TransmissionWarning" element as specified in subclause 7.2.19 of 3GPP TS 24.483 [4];

8) the <hang-time-warning> element contains the warning time before the off-network hang time is reached, which corresponds to the "HangTimeWarning" element as specified in subclause 7.2.20 of 3GPP TS 24.483 [4];

9) the <default-prose-per-packet-priority> element contains priority values for off-network calls, for each of the following constituent elements:

a) mcptt private call signalling which corresponds to the "MCPTTPrivateCallSignalling" element as specified in subclause 7.2.22 of 3GPP TS 24.483 [4];

b) mcptt private call media which corresponds to the "MCPTTPrivateCallMedia" element as specified in subclause 7.2.23 of 3GPP TS 24.483 [4];

c) mcptt emergency private call signalling which corresponds to the "MCPTTEmergencyPrivateCallSignalling" element as specified in subclause 7.2.24 of 3GPP TS 24.483 [4]; and

d) mcptt emergency private call media which corresponds to the "MCPTTEmergencyPrivateCallMedia" element as specified in subclause 7.2.25 of 3GPP TS 24.483 [4]; and

10) the <allow-log-metadata> element which corresponds to the "LogMetadata" element as specified in subclause 7.2.26 of 3GPP TS 24.483 [4] and contains one of the following values:

a) "true" which indicates that logging of metadata for MCPTT group calls, MCPTT private calls and non-call activities from MCPTT UEs operating in off-network mode, is enabled; and

b) "false" which indicates that logging of metadata for MCPTT group calls, MCPTT private calls and non-call activities from MCPTT UEs operating in off-network mode, is not enabled.

\* \* \* End of Changes \* \* \* \*