**3GPP TSG-CT WG1 Meeting #134-eC1-222086**

**E-Meeting, 17th – 25th February 2022**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.484** | **CR** | **0216** | **rev** | **1** | **Current version:** | **17.4.0** |  |
|  |
| *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** |

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|  |
| ***Title:***  | Structure of group info and presentation priorities |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | MCImp-eMCPTT-CT, MCImp-MCDATA-CT, MCImp-MCVIDEO-CT |  | ***Date:*** | 2022-02-24 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***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:*** | The presentation priorities per group are not clearly described. The presentation priority is per group, but the current structure does nowhere indicate that this is the case. The structure of the <RelativePresentationPriority> element and the servers associated to the group is that it is a list of elements is in the same order as the group identities in the <MCPTTGroupInfo> element. Such structure is hard to maintain and it is hard to understand how it works. |
|  |  |
| ***Summary of change:*** | Grouping the info on servers and the Priority together with the group id.Introducing comments in the XML schema to group together all <actions> child elements and all anyExt child elements.Updating the validation constraints accordingly.Updating the data semantics accordingly. |
|  |  |
| ***Consequences if not approved:*** | The priority mechanism for groups will not work. It is unclear which priority relates to which group. The configuration of group servers are likely to be incorrect. |
|  |  |
| ***Clauses affected:*** | 8.3.2.1, 8.3.2.3, 8.3.2.6, 8.3.2.7 |
|  |  |
|  | **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:*** | rev1: Removed <OffNetworkGroupServerInfo>Corrected <RelativePresentationPriority> in the semantics descriptionAdded clauses affectedrev2: Removed "OffNetwork" from <OffNetworkGroupServerInfo> in three places. Added <OnNetwork> and <OffNetwork> in the chain of elements beginning with <GMS-Serv-Id> for MCPTT in the data semantics.Added <entry> element and removed "list" for some further elements that are not list elements |

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

#### 8.3.2.1 Structure

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

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; and

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

iii) 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;

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

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

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

vii) a <call-forwarding-condition> element;

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

ix) a <user-max-simultaneous-authorizations> 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;

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

S) an <allow-functional-alias-binding-with-group> 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;

j) a <GroupServerInfo> element containing:

i) one <GMS-Serv-Id> element;

ii) one <IDMS-token-endpoint> element; and

iii) one <KMS-URI> element; and

k) a <RelativePresentationPriority> element.

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>

<!-- Child elements to the <actions> element defined in this specification -->

 <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"/>

<!-- Elements included in anyExt elements -->

 <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="allow-functional-alias-binding-with-group" 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="user-max-simultaneous-authorizations" type="xs:positiveInteger"/>

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

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

 <xs:complexType name="GroupServerInfoType">

 <xs:sequence>

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

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

 <xs:element name="KMS-URI" 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="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:PriorityType"/>

 <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 \* \* \* \*

#### 8.3.2.6 Validation Constraints

The MCPTT user profile configuration document shall conform to the XML Schema described in clause 8.3.2.3 "*XML Schema*", with the clarifications given in this clause.

The value of the "XUI-URI" attribute of the <mcptt-user-profile> element shall be the same as the XUI value of the Document URI for the MCPTT user profile configuration document. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Wrong User Profile URI".

The document name of the MCPTT user profile configuration document shall comply with the naming convention: mcptt‑user‑profile‑<profile‑index>.xml. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "The user profile document name does not comply with the format: 'mcptt-user-profile-<profile-index>.xml'".

The value of the <RelativePresentationPriority> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element of the <OnNetwork> element shall be within the range of 0 to 255. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Priority value out of range".

The value of the <RelativePresentationPriority> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element of the <OffNetwork> element shall be within the range of 0 to 255. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Priority value out of range".

The value of the <Priority> element of the <MCPTT-group-call> element shall be within the range of 0 to 255. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Priority value out of range".

The value of the <DiscoveryGroupID> shall be 3 octets expressed in hexadecimal format. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Invalid Discovery Group ID".

The value of the <User-Info-ID> shall be 6 octets expressed in hexadecimal format. If not, the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Invalid User Info ID".

If more than one MCPTT user profile document is specified for the MCPTT user in the "XDM collections" in the user's directory, then only one MCPTT user profile document shall contain the <Pre-selected-indication> element. If there is only one MCPTT user profile specified for the MCPTT user in the user's directory, then it is optional to include the <Pre-selected-indication> element. If a MCPTT user profile document containing the <Pre-selected-indication> element already exists for the MCPTT user in the "XDM collections" the XDMS shall return an HTTP "409 Conflict" response as described in IETF RFC 4825 [14], including the <constraint-failure> error element. If included, the "phrase" attribute should be set to "Pre-selected User Profile Indication already exists in:" including the contents of the <Profile-Name> element of the MCPTT user profile document that already contains the <Pre-selected-indication> element.

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

#### 8.3.2.7 Data Semantics

The <Name> element is of type "token", and corresponds to the "Name" element of clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2.48C4 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInfo> 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 clause 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 clause 5.2.48U4 in 3GPP TS 24.483 [4];

- the <entry> element of the <GMS-Serv-Id> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element of the <OnNetwork> element contains the URI used to contact the group management server for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "GMSServID" element of clause 5.2.48V5 in 3GPP TS 24.483 [4];

- the <entry> element of the <IDMS-token-endpoint> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element contains the URI used to contact the identity management server token endpoint for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "IDMSTokenID" element of clause 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> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element contains the URI used to contact the key management server for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "KMSURI" element of clause 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 clause 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 clause 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 clause 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 clause 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 clause 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> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element of the <OffNetwork> element contains the URI used to contact the group management server for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "GMSServID" element of clause 5.2.58A5 in 3GPP TS 24.483 [4];

- the <entry> element of the <IDMS-token-endpoint> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element contains the URI used to contact the identity management server for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "IDMSTokenID" element of clause 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> element of the <GroupServerInfo> element of the <anyExt> element of the <entry> element of the <MCPTTGroupInfo> element contains the URI used to contact the key management server for the MCPTT group ID in the <uri-entry> element of the <entry> element of the <MCPTTGroupInfo> element and corresponds to the "KMSURI" element of clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2.19A in 3GPP TS 24.483 [4];

- the <entry> element of the <MCPTTGroupInfo> 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 clause 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 clause 5.2.48C5 in 3GPP TS 24.483 [4]; and

- the <entry> element of the <MCPTTGroupInfo> 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2.10 in 3GPP TS 24.483 [4].

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

- the <MCPTTGroupInfo> 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 clause 5.2.48V14 in 3GPP TS 24.483 [4]; and

- the <MCPTTGroupInfo> 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2 in 3GPP TS 23.032 [31];

b) <EllipsoidArcArea>, an optional element specifying the area as an Ellipsoid Arc specified in clause 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 clause 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 clause 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> 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 clause 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 clause 5.2 in 3GPP TS 23.032 [31];

ii) <EllipsoidArcArea>, an optional element specifying the area as an Ellipsoid Arc specified in clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2.48B4A47 in 3GPP TS 24.483 [4];

The <RulesForDeaffiliation> element within the <anyExt> element of the <entry> element within the <MCPTTGroupInfo> 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 clause 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 clause 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> element of the <anyExt> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "ManualDeaffiliationNotAllowedIfAffiliation RulesAreMet" element of clause 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 <user-max-simultaneous-authorizations> element of the <anyExt> element contained in the <OnNetwork> element is of type "positiveInteger" and indicates the maximum allowed number of simultaneous service authorizations for the MCPTT user.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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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" | Indicates that the MCPTT user is authorised to request the list of MCPTT groups to which a specified MCPTT user is affiliated. |
| "false" | Indicates 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" | Indicates that the MCPTT user is authorised to request specified MCPTT user(s) to be affiliated to/deaffiliated from specified MCPTT group(s). |
| "false" | Indicates 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 5.2.48P in 3GPP TS 24.483 [4].

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

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is authorised to request a private call call-back using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | indicatesthat 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 clause 5.2.48Q in 3GPP TS 24.483 [4].

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

|  |  |
| --- | --- |
| "true" | indicates 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" |  indicates 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 clause 5.2.48R in 3GPP TS 24.483 [4].

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

|  |  |
| --- | --- |
| "true" | indicates 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" | indicates 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 clause 5.2.48S in 3GPP TS 24.483 [4].

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

|  |  |
| --- | --- |
| "true" | indicates 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" | indicates 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 clause 5.2.48T in 3GPP TS 24.483 [4].

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

|  |  |
| --- | --- |
| "true" | indicates that the MCPTT user is authorised to request a first-to-answer call using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | indicates 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 clause 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 <forward-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" |  indicates that the target of the private call forwarding is a functional alias using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | indicates 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 clause 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; |

The <allow-functional-alias-binding-with-group> element is of type Boolean, as specified in table 8.3.2.7-56, and corresponds to the "AllowedFunctionalAliasGroupBinding" element of clause 5.2.48W11 in 3GPP TS 24.483 [4].

Table 8.3.2.7-56: Values of <allow-functional-alias-binding-with-group>

|  |  |
| --- | --- |
| "true" | instructs the originating participating MCPTT function, serving the MCPTT user, that the MCPTT user is authorised to request the binding of a particular functional alias with a group or list of groups using the procedures defined in 3GPP TS 24.379 [9]. |
| "false" | instructs the originating participating MCPTT function, serving the MCPTT user, that the MCPTT user is not authorised to request the binding of a particular functional alias with a group or list of groups and reject such requests using the procedures defined in 3GPP TS 24.379 [9]. |

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

#### 9.3.2.1 Structure

The MCVideo user profile configuration document structure is specified in this clause.

The <mcvideo-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 <MCVideoUserID> element that contains a <uri-entry> element;

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

i) a <PrivateCallList> element that contains:

A) zero or more <PrivateCallOnNetwork> elements that each contain:

I) a <PrivateCallURI> element than contains an <entry> element; and

II) a <PrivateCallKMSURI> element that contains an <entry> element; and

B) zero or more <PrivateCallOffNetwork> elements that each contain:

I) a <PrivateCallProSeUser> element than contains a <DiscoveryGroupID> element and a <User‑Info‑ID> element; and

II) a <PrivateCallKMSURI> element that contains an <entry> element; and

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

A) an <entry> element; and

B) a <ProSeUserID-entry> element;

e) shall include one <MCVideo-group-call> element containing:

i) one <MaxSimultaneousCallsN6> element;

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

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

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

v) one <Priority> element;

f) may include one <ParticipantType> element;

g) shall include one <MissionCriticalOrganization> indicating the name of the mission critical organization the MCVideo User belongs to; and

h) may include an <anyExt> element;

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

a) shall have an "index" attribute;

b) shall include one or more <MCVideoGroupInfo> elements each containing:

i) an <MCVideo-Group-ID> element;

ii) an <GMS-Serv-Id> element containing one <entry> element;

iii) an <IdMS-Token-Endpoint> element containing one <entry> element;

iv) one <RelativePresentationPriority> element; and

v) a <GroupKMSURI> element that contains one <entry> element;

c) shall include one <MaxAffiliationsN2>element;

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

e) may include a <MaxSimultaneousVideoStreams> element

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

g) shall include one <RemoteGroupSelectionURIList> element, each containing one or more <entry> elements; and

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

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

ii) 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; and

iii) a <user-max-simultaneous-authorizations> element;

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

a) shall contain an "index" attribute;

b) shall include one or more <MCVideoGroupInfo> elements each containing:

i) an <MCVideo-Group-ID> element;

ii) one <GMS-Serv-Id> element containing one <entry> element;

iii) one <IdMS-Token-Endpoint> element containing one <entry> element;

iv) one <RelativePresentationPriority> element; and

v) one <GroupKMSURI> element that contains one <entry> element;

11) shall include 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]; and

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-request-affiliated-groups> element;

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

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

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

xxvii) an <allow-regroup> element;

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

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

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

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

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

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

xxxiv) an <anyExt> element which may contain:

A) an <allow-request-remote-initiated-ambient-viewing> element;

B) an <allow-request-locally-initiated-ambient-viewing> element;

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

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

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

F) an <allow-functional-alias-binding-with-group> element.

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; and

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

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 \* \* \* \*

#### 9.3.2.3 XML Schema

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

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

<xs:schema

 xmlns:mcvideoup="urn:3gpp:ns:mcvideo:user-profile:1.0"

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

 targetNamespace="urn:3gpp:ns:mcvideo: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="mcvideo-user-profile">

 <xs:complexType>

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

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

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

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

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

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

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

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

 <xs:element name="anyExt" type="mcvideoup: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="mcvideoup:UserAliasType"/>

 <xs:element name="MCVideoUserID" type="mcvideoup:EntryType"/>

 <xs:element name="PrivateCall" type="mcvideoup:MCVideoPrivateCallType"/>

 <xs:element name="MCVideo-group-call" type="mcvideoup:MCVideoGroupCallType"/>

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

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

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

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

 </xs:choice>

 <xs:attributeGroup ref="mcvideoup: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="mcvideoup:AliasEntryType"/>

 <xs:element name="anyExt" type="mcvideoup: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="mcvideoup:IndexType"/>

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

 </xs:extension>

 </xs:simpleContent>

 </xs:complexType>

 <xs:complexType name="MCVideoPrivateCallType">

 <xs:sequence>

 <xs:element name="PrivateCallList" type="mcvideoup:PrivateCallListType"/>

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

 <xs:element name="anyExt" type="mcvideoup: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="PrivateCallListType">

 <xs:sequence>

 <xs:element name="PrivateCallOnNetwork" type="mcvideoup:PrivateCallOnNetworkType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="PrivateCallOffNetwork" type="mcvideoup:PrivateCallOffNetworkType" minOccurs="0" maxOccurs="unbounded"/>

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

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

 </xs:sequence>

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

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

 </xs:complexType>

 <xs:complexType name="PrivateCallOnNetworkType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcvideoup: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="PrivateCallOffNetworkType">

 <xs:sequence>

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

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

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

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

 </xs:sequence>

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

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

 </xs:complexType>

 <xs:complexType name="PrivateCallKMSURIEntryType">

 <xs:sequence>

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

 <xs:element name="anyExt" type="mcvideoup: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="MCVideoGroupCallType">

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

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

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

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

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

 <xs:element name="Priority" type="mcvideoup:PriorityType"/>

 <xs:element name="anyExt" type="mcvideoup: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="MCVideoGroupInitiation" type="mcvideoup:MCVideoGroupInitiationEntryType"/>

 <xs:element name="MCVideoPrivateRecipient" type="mcvideoup:MCVideoPrivateRecipientEntryType"/>

 <xs:element name="anyExt" type="mcvideoup: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="MCVideoGroupInitiation" type="mcvideoup:MCVideoGroupInitiationEntryType"/>

 <xs:element name="anyExt" type="mcvideoup: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="mcvideoup:EntryType"/>

 <xs:element name="anyExt" type="mcvideoup: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="MCVideoGroupInitiationEntryType">

 <xs:choice>

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

 <xs:element name="anyExt" type="mcvideoup: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="MCVideoPrivateRecipientEntryType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcvideoup: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="OnNetworkType">

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

 <xs:element name="MCVideoGroupInfo" type="mcvideoup:MCVideoGroupInfoType"/>

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

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

 <xs:element name="MaxSimultaneousVideoStreams" type="xs:positiveInteger" minOccurs="0"/>

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

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

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:complexType name="OffNetworkType">

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

 <xs:element name="MCVideoGroupInfo" type="mcvideoup:MCVideoGroupInfoType"/>

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:complexType name="MCVideoGroupInfoType">

 <xs:sequence>

 <xs:element name="MCVideo-Group-ID" type="mcvideoup:EntryType"/>

 <xs:element name="GMS-Serv-Id" type="mcvideoup:EntryType"/>

 <xs:element name="IdMS-Token-Endpoint" type="mcvideoup:EntryType"/>

 <xs:element name="RelativePresentationPriority" type="mcvideoup:PriorityType"/>

 <xs:element name="GroupKMSURI" type="mcvideoup:EntryType"/>

 <xs:element name="anyExt" type="mcvideoup: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="PriorityType">

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

 <xs:minInclusive value="0"/>

 <xs:maxInclusive value="255"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="ListEntryType">

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

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

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

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

 </xs:choice>

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

 <xs:attributeGroup ref="mcvideoup: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="mcvideoup:DisplayNameElementType" minOccurs="0"/>

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

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

 </xs:sequence>

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

 <xs:attributeGroup ref="mcvideoup: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:simpleType name="protectionType">

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

 <xs:enumeration value="Normal"/>

 <xs:enumeration value="Encrypted"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="GeographicalAreaChangeType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcvideoup: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="mcvideoup:PolygonAreaType" minOccurs="0"/>

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

 <xs:element name="anyExt" type="mcvideoup: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="mcvideoup:PointCoordinateType" minOccurs="3" maxOccurs="15"/>

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

 </xs:sequence>

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

 </xs:complexType>

 <xs:complexType name="PointCoordinateType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcvideoup: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="CoordinateType">

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

 <xs:element name="threebytes" type="mcvideoup:tThreeByteType" minOccurs="0"/>

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

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

 </xs:choice>

 <xs:attribute name="type" type="mcvideoup:protectionType"/>

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

 </xs:complexType>

 <!-- anyExt elements for "PointCoordinateType" -->

 <xs:element name="altitude" type="mcvideoup:tCoordinateType2Bytes"/>

 <xs:complexType name="tCoordinateType2Bytes">

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

 <xs:element name="twobytes" type="mcvideoup:tTwoByteType" minOccurs="0"/>

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

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

 </xs:choice>

 <xs:attribute name="type" type="mcvideoup:protectionType"/>

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

 </xs:complexType>

 <xs:simpleType name="tThreeByteType">

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

 <xs:minInclusive value="0"/>

 <xs:maxInclusive value="16777215"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:simpleType name="tTwoByteType">

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

 <xs:minInclusive value="-32768"/>

 <xs:maxInclusive value="32767"/>

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="RulesForAffiliationManagementType">

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

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

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

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

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

 </xs:choice>

 <xs:attributeGroup ref="mcvideoup: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="mcvideoup: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="mcvideoup:anyExtType" minOccurs="0"/>

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

 </xs:sequence>

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

</xs:complexType>

<!-- anyExt elements for Functional Alias-->

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

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

 <xs:element name="allow-functional-alias-binding-with-group" type="xs:boolean"/>

<!-- anyExt elements for Functional Alias for Location change-->

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

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

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

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

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

<!-- anyExt elements for Functional Alias for Affiliation change-->

<!-- Note: anyExt elements for Functional Alias for Affiliation change include speed and heading-->

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

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

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

<!-- anyExt elements for Private call lists-->

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

 <xs:complexType name="PrivateCallListEntryType">

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

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

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

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:element name="user-max-simultaneous-authorizations" type="xs:positiveInteger"/>

 <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-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-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-manual-off-network-switch" 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="allow-request-remote-initiated-ambient-viewing" type="xs:boolean"/>

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

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

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

 <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 \* \* \* \*

#### 9.3.2.7 Data Semantics

The <Name> element is of type "token" and corresponds to the "Name" element of clause 13.2.3 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 MCVideo user and corresponds to the leaf nodes of the "UserAlias" element of clause 13.2.13 in 3GPP TS 24.483 [4].

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

- <entry> element of the <MCVideoUserID> element of the <Common> element, contains the MCVideo user identity (MCVideo ID) of the MCVideo user, and corresponds to the "MCVideoUserID" element of clause 13.2.7 in 3GPP TS 24.483 [4];

- the <entry> element of the the <PrivateCallURI> element of the <PrivateCallOnNetwork> element of the <PrivateCallList> element of the <PrivateCall> list element indicates an MCVideo ID of an MCVideo user that the MCVideo user is authorised to initiate a private call to and corresponds to the "MCVideoID" element of clause 13.2.38I5 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoGroupInitiation> element of the <EmergencyCall> element of the <MCVideo-group-call> element indicates the MCVideo group used on initiation of an MCVideo emergency group call and corresponds to the "GroupID" element of the "MCVideoGroupInitiation" element of clause 13.2.38D3 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoGroupInitiation> element of the <ImminentPerilCall> element of the <MCVideo-group-call> element indicates the MCVideo group used on initiation of an MCVideo imminent peril group call and corresponds to the "GroupID" element of clause 13.2.38G3 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoPrivateRecipient> of the <EmergencyCall> element of the <PrivateCall> element indicates the recipient MCVideo user for an on-network MCVideo emergency private call and corresponds to the "ID" element of clause 13.2.38T in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <MCVideo-group-call> element, indicates the MCVideo group for an on-network MCVideo emergency group alert and corresponds to the "ID" element of clause 13.2.38A5 in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <PrivateEmergencyAlert> element indicates the MCVideo user recipient for an on-network MCVideo emergency private alert and corresponds to the "ID" element of clause 13.2.87G in 3GPP TS 24.483 [4];

- the <entry> element of the <RemoteGroupSelectionURIList> list element of the <OnNetwork> element indicates an MCVideo ID of an MCVideo user whose selected group is authorised to be remotely changed by the MCVideo user and corresponds to the "MCVideoID" element of clause 13.2.87M in 3GPP TS 24.483 [4];

- the <entry> element of the <GMS-Serv-Id> element of the <MCVideoGroupInfo> element of the <OnNetwork> element contains the URI used to contact the group management server for the MCVideo group identified by the <MCVideo-Group-ID> element, and corresponds to the "GMSAppServId" element of clause 13.2.47 in 3GPP TS 24.483 [4];

- the <entry> element of the <GroupKMSURI> element of the <MCVideoGroupInfo> element of the <OnNetwork> element contains the URI used to contact the key management server associated with the MCVideo Group ID in the <MCVideo-Group-ID> element and corresponds to the "KMSURI" element of clause 13.2.50D in 3GPP TS 24.483 [4]. If the entry element is empty, the KMS URI present in the MCS initial configuration document is used;

- - the <entry> element of the <GroupKMSURI> element of the <MCVideoGroupInfo> element of the <OffNetwork> element contains the URI used to contact the key management server associated with the MCVideo Group ID in the <MCVideo-Group-ID> element and corresponds to the "KMSURI" element of clause 13.2.100C in 3GPP TS 24.483 [4]. If the entry element is empty, the KMS URI present in the MCS initial configuration document is used;

- the <entry> element of the <PrivateCallKMSURI> element of the <PrivateCallOnNetwork> element of the <PrivateCallList> element of the <PrivateCall> element of the <Common> element contains the URI used to contact the KMS associated with the MCVideo ID contained in the <PrivateCallURI> element of the same <PrivateCallOnNetwork> element of the <PrivateCallList> element of the <PrivateCall> element of the <Common> element and corresponds to the "PrivateCallKMSURI" element of clause 13.2.38I9 in 3GPP TS 24.483 [4]; If the entry element is empty, the KMS URI present in the MCS initial configuration document is used;

- the <entry> element of the <PrivateCallKMSURI> element of the <PrivateCallOffNetwork> element of the same <PrivateCallList> element of the <PrivateCall> element of the <Common> element contains the URI used to contact the KMS associated with the User-Info-ID contained in the <PrivateCallProSeUser> element of the same <PrivateCallOffNetwork> element of the <PrivateCallList> element of the <PrivateCall> element of the <Common> element and corresponds to the "PrivateCallKMSURI" element of clause 13.2.38I9 in 3GPP TS 24.483 [4]; If the entry element is empty, the KMS URI present in the MCS initial configuration document is used;

- the <MCVideo-Group-ID> element of the <MCVideoGroupInfo> element of the <OnNetwork> element contains the MCVideo group ID of an on-network MCVideo group for use by the configured MCVideo user, and corresponds to the "MCVideoGroupID" element of clause 13.2.43 in 3GPP TS 24.483 [4];

- the <MCVideo-Group-ID> element of the <MCVideoGroupInfo> element of the <OffNetwork> element contains the MCVideo group ID of an off-network MCVideo group for use by the configured MCVideo user, and corresponds to the "MCVideoGroupID" element of clause 13.2.93 in 3GPP TS 24.483 [4];

-- the <entry> element of the <GMS-Serv-Id> element of the <MCVideoGroupInfo> element of the <OnNetwork> element, contains the URI of the group management server hosting the on-network MCVideo group identified by the <MCVideo-Group-ID> element, and corresponds to the "GMSAppServId" element of clause 13.2.47 in 3GPP TS 24.483 [4];

- the <entry> element of the <IdMS-Token-Endpoint> element of the <MCVideoGroupInfo> element of the <OnNetwork> element, contains the URI used to contact the identity management server token endpoint for the on-network MCVideo group identified by the <MCVideo-Group-ID> element, and corresponds to the "IdMSTokenEndPoint" element of clause 13.2.50 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS UE initial configuration document are used;

- the <entry> element of the <GMS-Serv-Id> element of the <MCVideoGroupInfo> element of the <OffNetwork> element, contains the URI of the group management server hosting the off-network MCVideo group identified by the <MCVideo-Group-ID> element, and corresponds to the "GMSAppServId" element of clause 13.2.97 in 3GPP TS 24.483 [4];

- the <entry> element of the <IdMS-Token-Endpoint> element of the <MCVideoGroupInfo> element of the <OffNetwork> element, contains the URI used to contact the identity management server token endpoint for the off-network MCVideo group identified by the <MCVideo-Group-ID> element, and corresponds to the "IdMSTokenEndPoint" element of clause 13.2.100 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS UE initial configuration document are used;

- the <entry> element of the <ImplicitAffiliations> list element of the <OnNetwork> element indicates an MCVideo group ID of an MCVideo group that the MCVideo user is implicitly affiliated with, and corresponds to the "MCVideoGroupID" element of clause 13.2.55 in 3GPP TS 24.483 [4];

- the <entry> element of the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element contains a functional alias that the MCVideo user is authorised to activate and corresponds to the "FunctionalAlias" element of clause 13.2.87A6 in 3GPP TS 24.483 [4];

- the <PrivateCallURI> element of the <IncomingPrivateCallList> element of the <anyExt> element of the <OnNetwork> element indicates an MCVideo ID of an MCVideo user from whom the MCVideo user is authorised to receive a private call and corresponds to the "MCVideoID" element of clause 13.2.87C3 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 MCVideo 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 "MCVideoIDKMSURI" element of clause 13.2.87C4 in 3GPP TS 24.483 [4]; and

- 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 MCVideo IDs contained in the PrivateCallURI elements of the <IncomingPrivateCallList> element and corresponds to the "MCVideoIDKMSURI" element of clause 13.2.87C4 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 <display-name> element is of type "string", contains a human readable name and when it appears within:

- the <MCVideo-Group-ID> element of the <MCVideoGroupInfo> element of the <OnNetwork> element contains the name of an on-network MCVideo group for use by the configured MCVideo user, and corresponds to the "DisplayName" element of clause 13.2.44 in 3GPP TS 24.483 [4];

- the <MCVideo-Group-ID> element of the <MCVideoGroupInfo> element of the <OffNetwork> element contains the name of an off-network MCVideo group for use by the configured MCVideo user, and corresponds to the "DisplayName" element of clause 13.2.94 in 3GPP TS 24.483 [4];

- the <entry> element of the <ImplicitAffiliations> list element of the <OnNetwork> element indicates the name of an MCVideo group that the MCVideo user is implicitly affiliated with, and corresponds to the "DisplayName" element of clause 13.2.56 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoGroupInitiation> element of the <EmergencyCall> element of the <MCVideo-group-call> element indicates the name of the MCVideo group used on initiation of an MCVideo emergency group call, and corresponds to the "DisplayName" element of the "MCVideoGroupInitiation" element of clause 13.2.38D4 in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoPrivateRecipient> of the <EmergencyCall> element of the <PrivateCall> element indicates the name of the recipient MCVideo user for an MCVideo emergency private call and corresponds to the "DisplayName" element of clause 13.2.38W in 3GPP TS 24.483 [4];

- the <entry> element of the <MCVideoGroupInitiation> element of the <ImminentPerilCall> element of the <MCVideo-group-call> element indicates the name of the MCVideo group used on initiation of an MCVideo imminent peril group call and corresponds to the "DisplayName" element of clause 13.2.38G4 in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <MCVideo-group-call> element, indicates the name of the recipient MCVideo group for an MCVideo emergency Alert and corresponds to the "DisplayName" element of clause 13.2.38A6 in 3GPP TS 24.483 [4];

- the <entry> element of the <EmergencyAlert> element of the <PrivateEmergencyAlert> element indicates the name of the MCVideo user recipient for an on-network MCVideo emergency private alert and corresponds to the "DisplayName" element of clause 13.2.87H in 3GPP TS 24.483 [4]; and

- the <entry> element of the <PrivateCallURI> of the <PrivateCallList> element indicates the name of an MCVideo ID of an MCVideo user that the MCVideo user is authorised to initiate a private call to and corresponds to the "DisplayName" element of clause 13.2.38I8 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 MCVideo user profile is enabled or disabled and corresponds to the "Status" element of clause 13.2.103 in 3GPP TS 24.483 [4]. When set to "true" this MCVideo user profile is enabled. When set to "false" this MCVideo user profile is disabled.

The "user-profile-index" is of type "unsignedByte" and indicates the particular MCVideo user profile configuration document in the collection and corresponds to the "MCVideoUserProfileIndex" element of clause 13.2.8 in 3GPP TS 24.483 [4].

The <ProfileName> element is of type "token" and specifies the name of the MCVideo user profile configuration document in the MCVideo user profile XDM collection and corresponds to the "MCVideoUserProfileName" element of clause 13.2.9 in 3GPP TS 24.483 [4].

The <Pre-selected-indication> element is of type "mcvideoup:emptyType". Presence of the <Pre-selected-indication> element indicates that this particular MCVideo user profile is designated to be the pre-selected MCVideo user profile as defined in 3GPP TS 23.281 [27], and corresponds to the "PreSelectedIndication" element of clause 13.2.10 in 3GPP TS 24.483 [4]. Absence of the <Pre-selected-indication> element indicates that this MCVideo user profile is not designated as the pre-selected MCVideo user profile within the collection of MCVideo user profiles for the MCVideo user or is the only MCVideo user profile within the collection and is the pre-selected MCVideo user profile by default.

The "XUI-URI" attribute is of type "anyURI" that contains the XUI of the MCVideo user for whom this MCVideo 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 MCVideo user (e.g., first responder, second responder, dispatch, dispatch supervisor). The <ParticipantType> element corresponds to the "ParticipantType" element of clause 13.2.15 in 3GPP TS 24.483 [4].

The <MissionCriticalOrganization> element of the <Common> element is of type "string" and indicates the name of the mission critical organization the MCVideo User belongs to. The <MissionCriticalOrganization> element corresponds to the "Organization" element of clause 13.2.16 in 3GPP TS 24.483 [4].

The <RelativePresentationPriority> element is of type "nonNegativeInteger" and when it appears in:

- the <MCVideoGroupInfo> 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 clause 13.2.51 in 3GPP TS 24.483 [4];

- the <MCVideoGroupInfo> 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 clause 13.2.101 in 3GPP TS 24.483 [4];

The <MaxAffiliationsN2> element is of type "nonNegativeInteger", and indicates the maximum number of MCVideo groups that the MCVideo user is authorised to affiliate with, and corresponds to the "MaxAffiliationsNc2" element of clause 13.2.67 in 3GPP TS 24.483 [4].

The <MaxSimultaneousCallsN6> element of the <MCVideo-group-call> element is of type "positiveInteger" and indicates the maximum number of simultaneously received MCVideo group calls, and corresponds to the "MaxSimultaneousCallsN6" element of clause 13.2.38G7 in 3GPP TS 24.483 [4].

The <MaxSimultaneousVideoStreams> element of the <OnNetwork> element is of type "unsignedShort" and contains maximum number of simultaneous video streams that can be received by the MCVideo user, and corresponds to the "MaxStreams" element of clause 13.2.74 in 3GPP TS 24.483 [4].

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 MCVideo emergency group calls for the specific functional alias, and corresponds to the "MaxSimultaneousEmergencyGroupCalls" element of clause 13.2.87A7A in 3GPP TS 24.483 [4].

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 clause 13.2.87A6A in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <EnterSpecificArea> element is of type "mcvideoup: 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 clause 5.2 in 3GPP TS 23.032 [31];

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

c) <anyExt> element containing a <Speed> element; and

d) <anyExt> element containing a <Heading> element.

- <ExitSpecificArea> element is of type "mcvideoup: 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 clause 13.2.87A6B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <EnterSpecificArea> element is of type "mcvideoup: 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 "mcvideoup: 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 clause 13.2.87A6C in 3GPP TS 24.483 [4]. When set to "true" the MCVideo 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 <MCVideoGroupInfo> element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCVideo client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCVideo client triggers the group affiliation. It corresponds to the "RulesForAffiliation" element of clause 13.2.43A in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcvideoup: 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 "mcvideoup: 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 clause 5.2 in 3GPP TS 23.032 [31];

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

iii) an <anyExt> optional element containing 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 clause 13.2.43A19 in 3GPP TS 24.483 [4]; and

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 clause 13.2.43A20 in 3GPP TS 24.483 [4]; and

iv) an <anyExt> optional element containing 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 "MinimumHeading" element of clause 13.2.43A22 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 "MaximumHeading" element of clause 13.2.43A23 in 3GPP TS 24.483 [4]; and

b) <ExitSpecificArea> element is of type "mcvideoup: 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 containg the <anyExt> element set to the functional alias whose activation or deactivation triggers evaluation of the rules and corresponds to the "FunctionalAlias" element of clause 13.2.43A47 in 3GPP TS 24.483 [4];

The <RulesForDeaffiliation> element within the <anyExt> element of the <entry> element within the <MCVideoGroupInfo> element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCVideo client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCVideo client triggers the group deaffiliation. It corresponds to the "RulesForDeaffiliation" element of clause 13.2.43B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcvideoup: 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 triggers evaluation of the rules and corresponds to the "FunctionalAlias" element of clause 13.2.43B47 in 3GPP TS 24.483 [4];

The <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element within the <anyExt> element of the <entry> element within the <MCVideoGroupInfo> element of the <anyExt> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "ManualDeaffiliationNotAllowedIfAffiliationRulesAreMet" element of clause 13.2.43C in 3GPP TS 24.483 [4]. When set to "true" the MCVideo user is not allowed to deaffiliate from the group if the rules for affiliation are met.

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

- the <ProSeUserID-entry> element of the <MCVideoPrivateRecipient> 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 MCVideo user for an MCVideo emergency private call and corresponds to the "UserInfoID" element of clause 13.2.38V in 3GPP TS 24.483 [4]; and

- 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 MCVideo user that the MCVideo user is authorised to initiate a private call to and corresponds to the "UserInfoID" element of clause 13.2.38I7 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 <MCVideoPrivateRecipient> element of the <EmergencyCall> element, it identifies the Discovery Group ID that the MCVideo UE uses to initiate an off-network MCVideo emergency private call and corresponds to the "DiscoveryGroupID" element of clause 13.2.38U in 3GPP TS 24.483 [4]; and

- the <PrivateCallProSeUser> element of the <PrivateCallList> element, it identifies the Discovery Group ID that the MCVideo UE uses to initiate a private call during off-network operation and corresponds to the "DiscoveryGroupID" element of clause 13.2.38I6 in 3GPP TS 24.483 [4].

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

- the <entry> element of the <MCVideoGroupInitiation> element of the <EmergencyCall> element of the <MCVideo-group-call> element, it corresponds to the "Usage" element of clause 13.2.38D5 in 3GPP TS 24.483 [4] and indicates the group to use as the destination address for an emergency group call:

a) the MCVideo user currently selected MCVideo 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 <MCVideoGroupInitiation> 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 MCVideo user has no currently selected MCVideo group;

- the <entry> element of the <MCVideoPrivateRecipient> element of the <EmergencyCall> element of the <PrivateCall> element, it corresponds to the "Usage" element of clause 13.2.38X in 3GPP TS 24.483 [4] and indicates to use as the destination address for an emergency private call:

a) an MCVideo ID of an MCVideo user that is selected by the MCVideo 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 <MCVideoPrivateRecipient> 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 <MCVideoPrivateRecipient> for an off-network emergency private call, if the "entry-info"attribute has the value of 'UsePreConfigured';

- the <entry> element of the <MCVideoGroupInitiation> element of the <ImminentPerilCall> element of the <MCVideo-group-call> element, it corresponds to the "Usage" element of clause 13.2.38G5 in 3GPP TS 24.483 [4] and indicates to use as the destination for the MCVideo imminent peril group call:

a) the MCVideo user currently selected MCVideo 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 <MCVideoGroupInitiation> for an on-network imminent peril call, if the "entry-info" attribute has the value of:

i) 'DedicatedGroup'; or

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

- the <entry> element within the <EmergencyAlert> element, it corresponds to the "Usage" element of clause 13.2.38A7 in 3GPP TS 24.483 [4] and indicates to use as the destination address for a group emergency alert:

a) the MCVideo user currently selected MCVideo 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 MCVideo user has no currently selected MCVideo group.

- the <entry> element within the <PrivateEmergencyAlert> element, it corresponds to the "Usage" element of clause 13.2.87I in 3GPP TS 24.483 [4] and indicates to use as the destination address for on-network private emergency alert:

a) the MCVideo ID of an MCVideo user that is selected by the MCVideo 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 MCVideo user has no currently selected MCVideo user.

The <user-max-simultaneous-authorizations> element of the <anyExt> element contained in the <OnNetwork> element is of type "positiveInteger" and indicates the maximum allowed number of simultaneous service authorizations for the MCVideo user.

The <allow-presence-status> element is of type Boolean, as specified in table 9.3.2.7-1, and corresponds to the "AllowedPresenceStatus" element of clause 13.2.69 in 3GPP TS 24.483 [4].

Table 9.3.2.7-1: Values of <allow-presence-status>

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

The <allow-request-presence> element is of type Boolean, as specified in table 9.3.2.7-2, and corresponds to the "AllowedPresence" element of clause 13.2.70 in 3GPP TS 24.483 [4].

Table 9.3.2.7-2: Values of <allow-request-presence>

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

The <allow-query-availability-for-private-calls> element is of type Boolean, as specified in table 9.3.2.7-3, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-3: Values of <allow-query-availability-for-private-calls>

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

The <allow-enable-disable-user> element is of type Boolean, as specified in table 9.3.2.7-4, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-4: Values of <allow-enable-disable-user>

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

The <allow-enable-disable-UE> element is of type Boolean, as specified in table 9.3.2.7-5, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-5: Values of <allow-enable-disable-UE>

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

The <allow-private-call> element is of type Boolean, as specified in table Table 9.3.2.7-6, and corresponds to the "Authorised" element of clause 13.2.38I in 3GPP TS 24.483 [4].

Table Table 9.3.2.7-6: Values of <allow-private-call>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a private call request using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, to reject private call request using the procedures defined in 3GPP TS 24.281 [28]. 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 9.3.2.7-7, and corresponds to the "ManualCommence" element of clause 13.2.38J in 3GPP TS 24.483 [4].

Table 9.3.2.7-7: Values of <allow-manual-commencement>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a private call with manual commencement using the procedures defined in 3GPP TS 24.281 [28].  |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request a private call with manual commencement using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-automatic-commencement> element is of type Boolean, as specified in table 9.3.2.7-8, corresponds to the "AutoCommence" element of clause 13.2.38K in 3GPP TS 24.4283 [4].

Table 9.3.2.7-8: Values of <allow-automatic-commencement>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a private call with automatic commencement using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request a private call with automatic commencement using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-force-auto-answer> element is of type Boolean, as specified in table 9.3.2.7-9, and corresponds to the "AutoAnswer" element of clause 13.2.38M in 3GPP TS 24.483 [4].

Table 9.3.2.7-9: Values of <allow-force-auto-answer>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a private call and force automatic commencement using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request a private call and force automatic commencement using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-failure-restriction> element is of type Boolean, as specified in table 9.3.2.7-10, and corresponds to the "FailRestrict" element of clause 13.2.38L in 3GPP TS 24.483 [4].

Table 9.3.2.7-10: Values of <allow-failure-restriction>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to restrict the notification of a call failure reason for a private call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to restrict the notification of a call failure reason for a private call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-emergency-group-call> element is of type Boolean, as specified in table 9.3.2.7-11, and corresponds to the "Enabled" element of clause 13.2.38C in 3GPP TS 24.483 [4].

Table 9.3.2.7-11: Values of <allow-emergency-group-call>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request an emergency group call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request an emergency group call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-emergency-private-call> element is of type Boolean, as specified in table 9.3.2.7-12, and corresponds to the "Authorised" element of clause 13.2.38P in 3GPP TS 24.483 [4].

Table 9.3.2.7-12: Values of <allow-emergency-private-call>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request an emergency private call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request an emergency private call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-cancel-group-emergency> element is of type Boolean, as specified in table 9.3.2.7-13, and corresponds to the "CancelMCVideoGroup" element of clause 13.2.38D in 3GPP TS 24.483 [4].

Table 9.3.2.7-13: Values of <allow-cancel-group-emergency>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to cancel an emergency group call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to cancel an emergency group call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-cancel-private-emergency-call> element is of type Boolean, as specified in table 9.3.2.7-14, and corresponds to the "CancelPriority" element of clause 13.2.38Q in 3GPP TS 24.483 [4].

Table 9.3.2.7-14: Values of <allow-cancel-private-emergency-call>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to cancel an emergency priority in an emergency private call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to cancel an emergency priority in an emergency private call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-imminent-peril-call> element is of type Boolean, as specified in table 9.3.2.7-15, and corresponds to the "Authorised" element of clause 13.2.38F in 3GPP TS 24.483 [4].

Table 9.3.2.7-15: Values of <allow-imminent-peril-call>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request an imminent peril group call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request an imminent peril group call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-cancel-imminent-peril> element is of type Boolean, as specified in table 9.3.2.7-16, and corresponds to the "Cancel" element of clause 13.2.38G in 3GPP TS 24.483 [4].

Table 9.3.2.7-16: Values of <allow-cancel-imminent-peril>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to cancel an imminent peril group call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to cancel an imminent peril group call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-activate-emergency-alert> element is of type Boolean, as specified in table 9.3.2.7-17, and corresponds to the "AllowedActivateAlert" element of clause 13.2.29 in 3GPP TS 24.483 [4].

Table 9.3.2.7-17: Values of <allow-activate-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-cancel-emergency-alert> element is of type Boolean, as specified in table 9.3.2.7-18, and corresponds to the "AllowedCancelAlert" element of clause 13.2.30 in 3GPP TS 24.483 [4].

Table 9.3.2.7-18: Values of <allow-cancel-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-offnetwork> element is of type Boolean, as specified in table 9.3.2.7-19, and corresponds to the "Authorised" element of clause 13.2.89 in 3GPP TS 24.483 [4].

Table 9.3.2.7-19: Values of <allow-offnetwork>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised for off-network operation using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised for off-network operation using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-imminent-peril-change> element is of type Boolean, as specified in table 9.3.2.7-20, and corresponds to the "ImminentPerilCallChange" element of clause 13.2.102B in 3GPP TS 24.483 [4].

Table 9.3.2.7-20: Values of <allow-imminent-peril-change>

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

The <allow-private-call-media-protection> element is of type Boolean, as specified in table 9.3.2.7-21, and corresponds to the "AllowedMediaProtection" element of clause 13.2.38N in 3GPP 24.483 [4];

Table 9.3.2.7-21: Values of <allow-private-call-media-protection>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo 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 MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to protect the confidentiality and integrity of media for on-network and off-network private calls. |

The <allow-request-affiliated-groups> element is of type Boolean, as specified in table 9.3.2.7-22, and does not appear in the user profile configuration managed object specified in 3GPP TS 24.483 [4]

Table 9.3.2.7-22: Values of <allow-request-affiliated-groups>

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

The <allow-request-to-affiliate-other-users> element is of type Boolean, as specified in table 9.3.2.7-23, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-23: Values of <allow-request-to-affiliate-other-users>

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

The <allow-recommend-to-affiliate-other-users> element is of type Boolean, as specified in table 9.3.2.7-24, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-24: Values of <allow-recommend-to-affiliate-other-users>

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

The <allow-private-call-to-any-user> element is of type Boolean, as specified in table 9.3.2.7-25, and corresponds to the "AuthorisedAny" element of clause 13.2.38I1 in 3GPP TS 24.483 [4].

Table 9.3.2.7-25: Values of <allow-private-call-to-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a private call request using the procedures defined in 3GPP TS 24.281 [28]. The recipient is not constrained to MCVideo users identified in <entry> elements of the <PrivateCall> element i.e., to any MCVideo users.  |
| "false" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, to reject private call requests using the procedures defined in 3GPP TS 24.281 [28]. 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 9.3.2.7-26, and corresponds to the "AllowedRegroup" element of clause 13.2.68 in 3GPP TS 24.483 [4].

Table 9.3.2.7-26: Values of <allow-regroup>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the originating participating MCVideo function for the MCVideo user, that the MCVideo user is locally authorised to send a dynamic regrouping request according to the procedures defined in 3GPP TS 24.481 [5]. |
| "false" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo 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 9.3.2.7-27, and corresponds to the "EnabledParticipation" element of clause 13.2.87A in 3GPP TS 24.483 [4].

Table 9.3.2.7-27: Values of <allow-private-call-participation>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the terminating participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to participate in private calls that they are invited to using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the terminating participating MCVideo function for the MCVideo user, that the MCVideo user to reject private call requests that they are invited to using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-manual-off-network-switch> element is of type Boolean, as specified in table 9.3.2.7-28, and corresponds to the "AllowedManualSwitch" element of clause 13.2.71 in 3GPP TS 24.483 [4].

Table 9.3.2.7-28: Values of <allow-manual-off-network-switch>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to manually switch to off-network operation while in on-network operation using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to manually switch to off-network operation while in on-network operation using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-off-network-group-call-change-to-emergency> element is of type Boolean, as specified in table 9.3.2.7-29, and corresponds to the "EmergencyCallChange" element of clause 13.2.102A in 3GPP TS 24.483 [4].

Table 9.3.2.7-29: Values of <allow-off-network-group-call-change-to-emergency>

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

The <allow-revoke-transmit> element is of type Boolean, as specified in table 9.3.2.7-30, and does not appear in the MCVideo user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 9.3.2.7-30: Values of <allow-revoke-transmit>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to revoke the permission to transmit of another participant. |
| "false" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo 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 9.3.2.7-31, and corresponds to the "Authorised" element of clause 13.2.18 in 3GPP TS 24.483 [4].

Table 9.3.2.7-31: Values of <allow-create-group-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCVideo 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 MCVideo 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 9.3.2.7-32, and corresponds to the "Authorised" element of clause 13.2.20 in 3GPP TS 24.483 [4].

Table 9.3.2.7-32: Values of <allow-create-user-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCVideo 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 MCVideo 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-remote-initiated-ambient-viewing> element is of type Boolean, as specified in table 9.3.2.7-33, and corresponds to the "AllowedRemoteInitiatedAmbientViewing" element of clause 13.2.87A1 in 3GPP TS 24.483 [4].

Table 9.3.2.7-33: Values of <allow-request-remote-initiated-ambient-viewing>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the controlling MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a remote initiated ambient viewing call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the controlling MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request a remote initiated ambient viewing call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-request-locally-initiated-ambient-viewing> element is of type Boolean, as specified in table 9.3.2.7-34, and corresponds to the "AllowedLocallyInitiatedAmbientViewing" element of clause 13.2.87A2 in 3GPP TS 24.483 [4].

Table 9.3.2.7-34: Values of <allow-request-locally-initiated-ambient-viewing>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the controlling MCVideo function for the MCVideo user, that the MCVideo user is authorised to request a locally initiated ambient viewing call using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the controlling MCVideo function for the MCVideo user, that the MCVideo user is not authorised to request a locally initiated ambient viewing call using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-query-functional-alias-other-user> element is of type Boolean, as specified in table 9.3.2.7-35, and corresponds to the "AllowedQueryFunctionalAliasOtherUser" element of clause 13.2.87A8 in 3GPP TS 24.483 [4].

Table 9.3.2.7-35: Values of <allow-query-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to query the functional alias(es) activated by another MCVideo user using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to query the functional alias(es) activated by another MCVideo user using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-takeover-functional-alias-other-user> element is of type Boolean, as specified in table 9.3.2.7-36, and corresponds to the "AllowedTakeoverFunctionalAliasOtherUser" element of clause 13.2.87A9 in 3GPP TS 24.483 [4].

Table 9.3.2.7-36: Values of <allow-takeover-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is authorised to take over the functional alias(es) previously activated by another MCVideo user using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the MCVideo server performing the participating MCVideo function for the MCVideo user, that the MCVideo user is not authorised to take over the functional alias(es) previously activated by another MCVideo user using the procedures defined in 3GPP TS 24.281 [28]. |

The <allow-to-receive-private-call-from-any-user> element is of type Boolean, as specified in table 9.3.2.7-37, and corresponds to the "AuthorisedIncomingAny" element of clause 13.2.87B in 3GPP TS 24.483 [4].

Table 9.3.2.7-37: Values of <allow-to-receive-private-call-from-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCVIDEO server performing the terminating participating MCVIDEO function for the MCVIDEO user, that the MCVIDEO user is authorised to receive a private call request using the procedures defined in 3GPP TS 24.281 [28]. The recipient is not constrained to be called by MCVIDEO users identified in <entry> elements of the <IncomingPrivateCallList> element i.e., by any MCVIDEO user.  |
| "false" | instructs the MCVIDEO server performing the terminating participating MCVIDEO function for the MCVIDEO user, to reject private call requests using the procedures defined in 3GPP TS 24.281 [28]. This shall be the default value taken in the absence of the element; |

The <allow-functional-alias-binding-with-group> element is of type Boolean, as specified in table 9.3.2.7-37, and corresponds to the "AllowedFunctionalAliasGroupBinding" element of clause 13.2.87A10 in 3GPP TS 24.483 [4].

Table 9.3.2.7-37: Values of <allow-functional-alias-binding-with-group>

|  |  |
| --- | --- |
| "true" | instructs the originating participating MCVideo function, serving the MCVideo user, that the MCVideo user is authorised to request the binding of a particular functional alias with a group or list of groups using the procedures defined in 3GPP TS 24.281 [28]. |
| "false" | instructs the originating participating MCVideo function, serving the MCVideo user, that the MCVideo user is not authorised to request the binding of a particular functional alias with a group or list of groups and reject such requests using the procedures defined in 3GPP TS 24.281 [28]. |

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

#### 10.3.2.1 Structure

Editor's note: Need to add semantics/validation for MCData elements <allow-emergency-private-call>, <allow-cancel-private-emergency-call>, <MCData-group-call>, <allow-emergency-private-call>, <allow-cancel-private-emergency-call>, <EmergencyCall>.

The MCData user profile configuration document structure is specified in this clause.

The <mcdata-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 <MCDataUserID> element that contains an <entry> element;

d) may include one <MCDataUserID-KMSURI> element that contains an <entry> element;

e) may contain one <ParticipantType> element;

f) shall contain one <MissionCriticalOrganization>;

g) shall include one <FileDistribution> element. The <FileDistribution> element contains:

i) one or more <FD-Cancel-List-Entry> elements containing:

A) an <MCData-ID> element that contains an <entry> element; and

B) a <MCData-ID-KMSURI> element that contains an <entry> element;

h) shall include one <TxRxControl> element. The <TxRxControl> element contains:

i) one <MaxData1To1> element;

ii) one <MaxTime1to1> element; and

iii) an <TxReleaseList> element that contains zero or more <entry> elements;

i) shall include one <GroupEmergencyAlert> element containing an <entry> element; and

j) may contain an <One-to-One-Communication> element containing:

i) one or more <One-to-One-CommunicationListEntry> elements containing:

A) an <MCData-ID> element that contains an <entry> element;

B) a <ProSeUserID-entry> element; and

C) an <MCData-ID-KMSURI> element that contains an <entry> element; and

ii) may include an <anyExt> element which:

A) may contain one <EmergencyCall> element containing:

I) zero or one <MCDataGroupInitiation> element that contains an <entry> element; and

II) zero or one <MCDataPrivateRecipient> element that contains an <entry> element;

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

a) shall have an "index" attribute;

b) shall include one or more <MCDataGroupInfo> elements each containing:

i) an <MCData-Group-ID> element containing an <entry> element;

ii) an <GMS-App-Serv-Id> element containing one <entry> element;

iii) an <IdMS-Token-Endpoint> element containing one <entry> element;

iv) one <RelativePresentationPriority> element;

v) a <GroupKMSURI> element that contains one <entry> element; and

v) zero or one <allow-store-group-comm-in-msgstore> element;

c) shall include one <MaxAffiliationsN2>element;

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

e) may include a <PresenceStatus> element containing one or more <entry> elements;

f) may include a <RemoteGroupChange> element, containing one or more <entry> elements;

g) may contain one <ConversationManagement> element containing

i) one or more <MCDataGroupHangTime> elements each containing:

A) an <MCData-Group-ID> element containing an <entry> element; and

B) a <Hang-Time> element

ii) a <DeliveredDisposition> element, containing zero or more <entry> elements; and

iii) a <ReadDisposition> element, containing zero or more <entry> elements;

h) shall include one <One-To-One-EmergencyAlert> element containing an <entry> element; and

i) shall include an <anyExt> element which:

i) shall contain one <MCDataContentServerURI> element;

ii) may contain one <FunctionalAliasList> element which contains one or more <entry> elements;

iii) shall contain one <MessageStoreHostname> element;

iv) may contain one <IncomingOne-to-OneCommunicationList> element with one or more <One-to-One-CommunicationListEntry> elements each containing:

A) an <MCData-ID> element that contains an <entry> element; and

B) an <MCData-ID-KMSURI> element that contains an <entry> element; and

v) may contain a <user-max-simultaneous-authorizations> element;

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

a) shall contain an "index" attribute;

b) shall include one or more <MCDataGroupInfo> elements each containing:

i) an <MCData-Group-ID> element containing an <entry> element;

ii) an <GMS-App-Serv-Id> element containing one <entry> element;

iii) an <IdMS-Token-Endpoint> element containing one <entry> element;

iv) one <RelativePresentationPriority> element; and

v) a <GroupKMSURI> element that contains one <entry> element; and

c) a <User-Info-Id> element; and

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]; and

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

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

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

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

iv) an <allow-transmit-data> element;

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

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

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

viii) an <allow-regroup> element;

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

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

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

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

xiii) an <allow-cancel-emergency-alert-any-user> element;

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

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

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

xvii) an <allow-off-network> element;

xviii) zero or one <allow-store-comms-in-msgstore> element;

xix) zero or one <allow-store-private-comms-in-msgstore> element; and

xx) an <anyExt> element which may contain:

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

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

C) an <allow-one-to-one-communication-from-any-user> element; and

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

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

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

G) an <allow-functional-alias-binding-with-group> element;and

H) an <MCData-group-call> element;

I) an <allow-emergency-private-call> element; and

J) an <allow-cancel-private-emergency-call> element.

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;

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

a) an <IPInformation> element containing:

i) one or more <IPInformationListEntry> each containing an <IPv4Address> element, an <IPv6Address> element or a <FQDN> element;

b) 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;

c) 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; and

d) a <manual-deactivation-not-allowed-if-location-criteria-met> 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 each containing a <FunctionaAlias> element;

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 withand a <Speed> element and a <Heading> element; and

ii) zero or one <ListOfActiveFunctionalAliasCriteria> element which contains one or more <entry> elements each containing a <FunctionaAlias> element;

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

h) one <MaxSimultaneousEmergencyGroupCalls> element.

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

The <Heading> elements shall contain a <MinimumHeading> element and a <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 \* \* \* \*

#### 10.3.2.3 XML Schema

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

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

<xs:schema

 xmlns:mcdataup="urn:3gpp:ns:mcdata:user-profile:1.0"

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

 targetNamespace="urn:3gpp:ns:mcdata: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="mcdata-user-profile">

 <xs:complexType>

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

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

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

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

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

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

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

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

 <xs:element name="anyExt" type="mcdataup: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="mcdataup:UserAliasType"/>

 <xs:element name="MCDataUserID" type="mcdataup:EntryType"/>

 <xs:element name="MCDataUserID-KMSURI" type="mcdataup:EntryType"/>

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

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

 <xs:element name="FileDistribution" type="mcdataup:FileDistributionType"/>

 <xs:element name="TxRxControl" type="mcdataup:TxRxControlType"/>

 <xs:element name="GroupEmergencyAlert" type="mcdataup:EmergencyAlertType"/>

 <xs:element name="One-to-One-Communication" type="mcdataup:One-to-One-CommunicationType"/>

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:complexType name="OnNetworkType">

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

 <xs:element name="MCDataGroupInfo" type="mcdataup:MCDataGroupInfoType"/>

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

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

 <xs:element name="PresenceStatus" type="mcdataup:ListEntryType"/>

 <xs:element name="RemoteGroupChange" type="mcdataup:ListEntryType"/>

 <xs:element name="ConversationManagement" type="mcdataup:ConversationManagementType"/>

 <xs:element name="One-To-One-EmergencyAlert" type="mcdataup:EmergencyAlertType"/>

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

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

 </xs:choice>

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

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

 </xs:complexType>

<!-- anyExt elements for OnNetworkType-->

 <xs:element name="IncomingOne-to-OneCommunicationList" type="mcdataup:One-to-One-CommunicationType" minOccurs="0"/>

 <xs:complexType name="OffNetworkType">

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

 <xs:element name="MCDataGroupInfo" type="mcdataup:MCDataGroupInfoType"/>

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

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

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

 </xs:choice>

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

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

 </xs:complexType>

<xs:complexType name="One-to-One-CommunicationType">

 <xs:sequence>

 <xs:element name="One-to-One-CommunicationListEntry" type="mcdataup:One-to-One-CommunicationListEntryType" minOccurs="0" maxOccurs="unbounded"/>

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

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

 </xs:sequence>

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

 </xs:complexType>

<!-- anyExt elements for One-to-One-CommunicationType-->

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

 <xs:complexType name="One-to-One-CommunicationListEntryType">

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

 <xs:element name="MCData-ID" type="mcdataup:EntryType"/>

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

 <xs:element name="MCData-ID-KMSURI" type="mcdataup:EntryType"/>

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:complexType name="EmergencyAlertType">

 <xs:sequence>

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

 <xs:element name="anyExt" type="mcdataup: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="ConversationManagementType">

 <xs:sequence>

 <xs:element name="MCDataGroupHangTime" type="mcdataup:GroupHangTimeType" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="DeliveredDisposition" type="mcdataup:ListEntryType"/>

 <xs:element name="ReadDisposition" type="mcdataup:ListEntryType"/>

 <xs:element name="anyExt" type="mcdataup: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="GroupHangTimeType">

 <xs:sequence>

 <xs:element name="MCData-Group-ID" type="mcdataup:EntryType"/>

 <xs:element name="Hang-Time" type="xs:duration"/>

 <xs:element name="anyExt" type="mcdataup: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="MCDataGroupInfoType">

 <xs:sequence>

 <xs:element name="MCData-Group-ID" type="mcdataup:EntryType"/>

 <xs:element name="GMS-App-Serv-Id" type="mcdataup:EntryType"/>

 <xs:element name="IdMS-Token-Endpoint" type="mcdataup:EntryType"/>

 <xs:element name="Group-KMSURI" type="mcdataup:EntryType"/>

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

 <xs:element name="anyExt" type="mcdataup: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="FileDistributionType">

 <xs:sequence>

 <xs:element name="FD-Cancel-List-Entry" type="mcdataup:FD-Cancel-ListEntryType" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcdataup: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="FD-Cancel-ListEntryType">

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

 <xs:element name="MCData-ID" type="mcdataup:EntryType"/>

 <xs:element name="MCData-ID-KMSURI" type="mcdataup:EntryType"/>

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

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

 </xs:choice>

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

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

 </xs:complexType>

 <xs:complexType name="TxRxControlType">

 <xs:sequence>

 <xs:element name="MaxData1To1" type="xs:positiveInteger"/>

 <xs:element name="MaxTime1To1" type="xs:duration"/>

 <xs:element name="TxReleaseList" type="mcdataup:ListEntryType"/>

 <xs:element name="anyExt" type="mcdataup: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="UserAliasType">

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

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

 <xs:element name="anyExt" type="mcdataup: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="mcdataup: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="mcdataup:EntryType"/>

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

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

 </xs:choice>

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

 <xs:attributeGroup ref="mcdataup: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="EntryType">

 <xs:sequence>

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

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

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

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

 </xs:sequence>

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

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

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

 </xs:complexType>

 <xs:complexType name="GeographicalAreaChangeType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcdataup: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="mcdataup:PolygonAreaType" minOccurs="0"/>

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

 <xs:element name="anyExt" type="mcdataup: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="mcdataup:PointCoordinateType" minOccurs="3" maxOccurs="15"/>

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

 </xs:sequence>

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

 </xs:complexType>

 <xs:complexType name="PointCoordinateType">

 <xs:sequence>

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

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

 <xs:element name="anyExt" type="mcdataup: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="mcdataup:GeographicalAreaChangeType"/>

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

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

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

 </xs:choice>

 <xs:attributeGroup ref="mcdataup: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="mcdataup: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="mcdataup: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"/>

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

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

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

 </xs:sequence>

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

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

 </xs:complexType>

 <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="IPInformationType">

 <xs:sequence>

 <xs:element name="IPInformationListEntry" type="mcdataup:IPInformationListEntryType" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="mcdataup: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="IPInformationListEntryType">

 <xs:choice>

 <xs:element name="IPv4Address" type="xs:token"/>

 <xs:element name="IPv6Address" type="xs:token"/>

 <xs:element name="FQDN" type="xs:anyURI"/>

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

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

 </xs:choice>

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

 </xs:complexType>

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

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

 <xs:element name="allow-request-presence" 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-cancel-emergency-alert-any-user" 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-off-network-manual-switch" type="xs:boolean"/>

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

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

<!-- elements for User control of communications storage into message store -->

 <xs:element name="allow-store-comms-in-msgstore" type="xs:boolean"/>

 <xs:element name="allow-store-private-comms-in-msgstore" type="xs:boolean"/>

<!-- The following anyExt elements can be included.-->

<!-- anyExt elements for IP Connectivity-->

 <xs:element name="IPInformation" type="mcdataup:IPInformationType"/>

 <xs:element name="user-max-simultaneous-authorizations" type="xs:positiveInteger"/>

<!-- anyExt elements for Functional Alias-->

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

 <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-one-to-one-communication-from-any-user" type="xs:boolean"/>

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

 <xs:element name="allow-functional-alias-binding-with-group" type="xs:boolean"/>

<!-- anyExt elements for Functional Alias for Location change-->

 <!-- Note: anyExt elements for Functional Alias for Location change include speed and heading-->

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

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

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

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

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

<!-- anyExt elements for Functional Alias for Affiliation change-->

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

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

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

<!-- anyExt elements for emergency group communication imminent peril communication and private communication-->

 <xs:element name="allow-emergency-group-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="MCData-group-call" type="mcdataup:MCDataGroupCallType"/>

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

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

<xs:complexType name="MCDataGroupCallType">

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

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

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

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

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

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

 <xs:element name="anyExt" type="mcdataup: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="MCDataGroupInitiation" type="mcdataup:MCDataGroupInitiationEntryType" />

 <xs:element name="MCDataPrivateRecipient" type="mcdataup:MCDataPrivateRecipientEntryType" />

 <xs:element name="anyExt" type="mcdataup: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="MCDataGroupInitiation" type="mcdataup:MCDataGroupInitiationEntryType" />

 <xs:element name="anyExt" type="mcdataup: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="MCDataGroupInitiationEntryType">

 <xs:choice>

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

 <xs:element name="anyExt" type="mcdataup: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="MCDataPrivateRecipientEntryType">

 <xs:sequence>

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

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

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

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

 </xs:sequence>

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

 </xs:complexType>

<!-- anyExt elements for User control of communications storage into message store -->

 <!-- anyExt elements of <MCDataGroupInfo> element -->

 <xs:element name="allow-store-group-comm-in-msgstore" type="xs:boolean"/>

 <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 \* \* \* \*

#### 10.3.2.7 Data Semantics

Editor's Note: In the bullets specified in this clause, the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document needs to be specified in line with the CR#0055 in TS 23.280 (S6-170728) and a corresponding "KMSSEC" element will also need to be specified in the initial configuration document under the AppServerInfo node.

The <Name> element is of type "token", and corresponds to the "Name" element of clause 10.2.3 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 MCData user, and corresponds to the leaf nodes of the "UserAlias" element of clause 10.2.13 in 3GPP TS 24.483 [4].

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

- the <MCDataUserID> element of the <Common> element, contains the MCData user identity (MCData ID) of the MCData user, and corresponds to the "MCDataUserID" element of clause 10.2.21 in 3GPP TS 24.483 [4];

- the <MCDataUserID-KMSURI> element of the <Common> element contains the KMS URI for the security domain of the MCData user identity (MCData ID) of the MCData user and corresponds to the "MCDataUserIDKMSURI" element of clause 10.2.9A in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1;

- the <MCData-ID> element of the <One-to-One-Communication-ListEntry> element of the <One-to-One-Communication> element of the <Common> element, contains the MCData user identity (MCData ID) of an MCData user that the configured MCData user is authorised to initiate a one-to-one communication, and corresponds to the "MCDataID" element of clause 10.2.16E in 3GPP TS 24.483 [4];

- the <MCData-ID-KMSURI> element of the <One-to-One-Communication-ListEntry> element of the <One-to-One-Communication> element of the <Common> element, contains the KMS URI for the security domain of the MCData user identity (MCData ID) of an MCData user that the configured MCData user is authorised to initiate a one-to-one communication, and corresponds to the "MCDataIDKMSURI" element of clause 10.2.16H in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1;

- the <IPInformation> element within the <anyExt> element of the <entry> element within the <MCData-ID> element of the <One-to-One-Communication-ListEntry> element of the <One-to-One-Communication> element of the <Common> element contain the IP Information of associated target hosts used in an IP Connectivity session to the <MCData-ID>, and corresponds to the "IPInformation" element of clause 10.2.16J in 3GPP TS 24.483 [4]; The <IPInformation> element shall be used by the MC Data Client to identify the MC Data User target of an One-to-One IP connectivity session when the MC Data Id is not explicitly included in the request;

- the <MCData-Group-ID> element of the <MCDataGroupInfo> element of the <OnNetwork> element contains the MCData group ID of an on-network MCData group for use by the configured MCData user, and corresponds to the "MCDataGroupID" element of clause 10.2.47 in 3GPP TS 24.483 [4];

- the <Group-KMSURI> element of the <MCDataGroupInfo> element of the <OnNetwork> element contains the KMS URI for the security domain of the MCData group identity (MCData Group ID) of the on-network MCData group and corresponds to the "MCDataGroupIDKMSURI" element of clause 10.2.54A in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1;

- the <entry> element of the <FunctionalAliasList> list element of the <anyExt> element of the <OnNetwork> element contains a functional alias that the MCData user is authorised to activate and corresponds to the "FunctionalAlias" element of clause 10.2.97B in 3GPP TS 24.483 [4];

- the <MCData-Group-ID> element of the <MCDataGroupInfo> element of the <OffNetwork> element contains the MCData group ID of an off-network MCData group for use by the configured MCData user, and corresponds to the "MCDataGroupID" element of clause 10.2.103 in 3GPP TS 24.483 [4];

- the <Group-KMSURI> element of the <MCDataGroupInfo> element of the <OffNetwork> element contains the KMS URI for the security domain of the MCData group identity (MCData Group ID) of the off-network MCData group and corresponds to the "MCDataGroupIDKMSURI" element of clause 10.2.110A in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1;

- the <entry> element of the <GMS-App-Serv-Id> element of the <MCDataGroupInfo> element of the <OnNetwork> element, contains the URI of the group management server hosting the on-network MCData group identified by the <MCData-Group-ID> element, and corresponds to the "GMSAppServId" element of clause 10.2.51 in 3GPP TS 24.483 [4];

- the <entry> element of the <IdMS-Token-Endpoint> element of the <MCDataGroupInfo> element of the <OnNetwork> element, contains the URI used to contact the identity management server token endpoint for the on-network MCData group identified by the <MCData-Group-ID> element, and corresponds to the "IdMSTokenEndPoint" element of clause 10.2.54 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS UE initial configuration document are used;

- the <entry> element of the <GMS-App-Serv-Id> element of the <MCDataGroupInfo> element of the <OffNetwork> element, contains the URI of the group management server hosting the off-network MCData group identified by the <MCData-Group-ID> element, and corresponds to the "GMSAppServId" element of clause 10.2.107 in 3GPP TS 24.483 [4];

- the <entry> element of the <IdMS-Token-Endpoint> element of the <MCDataGroupInfo> element of the <OffNetwork> element, contains the URI used to contact the identity management server token endpoint for the off-network MCData group identified by the <MCData-Group-ID> element, and corresponds to the "IdMSTokenEndPoint" element of clause 10.2.110 in 3GPP TS 24.483 [4]. If the entry element is empty, the idms-auth-endpoint and idms-token-endpoint present in the MCS UE initial configuration document are used;

- the <MCData-Group-ID> element of the <MCDataGroupHangTime> element of the <ConversationManagement> element of the <OnNetwork> element, contains the MCData group ID of an MCData group for which the MCData user has an associated <Hang-Time> duration, and corresponds to the "MCDataGroupID" element of clause 10.2.76 in 3GPP TS 24.483 [4];

- the <MCData-ID> element of the <FD-Cancel-List-Entry> list element of the <FileDistribution> element of the <Common> element, indicates an MCData ID of an MCData user that is allowed to cancel distribution of files beings sent or waiting to be sent, and corresponds to the "MCDataID" element of clause 10.2.21 in 3GPP TS 24.483 [4];

- the <MCData-ID-KMSURI> element of the <FD-Cancel-List-Entry> list element of the <FileDistribution> element of the <Common> element element contains the KMS URI for the security domain of the MCData user identity (MCData ID) of an MCData user that the configured MCData user is authorised to initiate a one-to-one communication, and corresponds to the "MCDataIDKMSURI" element of clause 10.2.21A in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1;

- the <entry> element of the <TxReleaseList> list element of the <TxRxControl> element of the <Common> element, indicates an MCData ID of an MCData user that this MCData user is allowed to request release of an ongoing transmission and corresponds to the "MCDataID" element of clause 10.2.30 in 3GPP TS 24.483 [4];

- the <entry> element of the <GroupEmergencyAlert> element of the <Common> element, indicates the MCData group recipient for an MCData emergency Alert and corresponds to the "ID" element of clause 10.2.38 in 3GPP TS 24.483 [4];

- the <entry> element of the <ImplicitAffiliations> list element of the <OnNetwork> element indicates an MCData group ID of an MCData group that the MCData user is implicitly affiliated with, and corresponds to the "MCDataGroupID" element of clause 10.2.59 in 3GPP TS 24.483 [4];

- the <entry> element of the <PresenceStatus> list element of the <OnNetwork> element indicates an MCData ID of an MCData user that the configured MCData user is authorised to obtain presence status, and corresponds to the "MCDataID" element of clause 10.2.64 in 3GPP TS 24.483 [4];

- the <entry> element of the <RemoteGroupChange> list element of the <OnNetwork> element indicates an MCData ID of an MCData user whose selected groups are authorised to be remotely changed by the configured MCData user and corresponds to the "MCDataID" element of clause 10.2.69 in 3GPP TS 24.483 [4];

- the <entry> element of the <DeliveredDisposition> list element of the <ConversationManagement> element of the <OnNetwork> element, indicates an MCData ID of an MCData user who is to be sent a message delivered disposition notification in addition to the message sender and corresponds to the "MCDataID" element of clause 10.2.82 in 3GPP TS 24.483 [4];

- the <entry> element of the <ReadDisposition> list element of the <ConversationManagement> element of the <OnNetwork> element, indicates an MCData ID of an MCData user who is to be sent a message delivered disposition notification in addition to the message sender, and corresponds to the "MCDataID" element of clause 10.2.87 in 3GPP TS 24.483 [4];

- the <entry> element of the <One-To-One-EmergencyAlert> element of the <OnNetwork> element indicates the MCData user recipient for an on-network MCData emergency one-to-one alert and corresponds to the "ID" element of clause 10.2.91 in 3GPP TS 24.483 [4];

- the <MCData-ID> element of the <One-to-One-Communication-ListEntry> element of the <IncomingOne-to-OneCommunicationList> list element of the <anyExt> element of the <OnNetwork> element, contains the MCData user identity (MCData ID) of an MCData user from whom the configured MCData user is authorised to receive a one-to-one communication, and corresponds to the "MCDataID" element of clause 10.2.97C3 in 3GPP TS 24.483 [4]; and

- the <MCData-ID-KMSURI> element of the <One-to-One-Communication-ListEntry> element of the <IncomingOne-to-OneCommunicationList> list element of the <anyExt> element of the <OnNetwork> element, contains the KMS URI for the security domain of the MCData user identity (MCData ID) of an MCData user from whom the configured MCData user is authorised to receive one-to-one communication, and corresponds to the "MCDataIDKMSURI" element of clause 10.2.97C4 in 3GPP TS 24.483 [4]. If this parameter is absent, the KMS URI is identified by the <kms-sec> element of the <App-Server-Info> of the MCS UE initial configuration document as specified in clause 7.2.2.1.

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 <ProSeUserID-entry> element of the <One-To-One-CommunicationListEntry> element of the <One-To-One-Communication> element of the <OffNetwork> element, it identifies the Discovery Group ID that the MCData UE uses to initiate a one-to-one communication during off-network operation and corresponds to the "DiscoveryGroupID" element of clause 10.2.16F 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 <MCData-ID> element of the <One-to-One-CommunicationListEntry> element of the <One-to-One-Communication> element of the <OffNetwork> element, contains the name of an MCData user that the configured MCData user is authorised to initiate a one-to-one communication, and corresponds to the "DisplayName" element of clause 10.2.16I in 3GPP TS 24.483 [4];

- the <MCData-Group-ID> element of the <MCDataGroupInfo> element of the <OnNetwork> element contains the name of an on-network MCData group for use by the configured MCData user, and corresponds to the "DisplayName" element of clause 10.2.48 in 3GPP TS 24.483 [4];

- the <MCData-Group-ID> element of the <MCDataGroupInfo> element of the <OffNetwork> element contains the name of an off-network MCData group for use by the configured MCData user, and corresponds to the "DisplayName" element of clause 10.2.104 in 3GPP TS 24.483 [4];

- the <MCData-Group-ID> element of the <MCDataGroupHangTime> element of the <ConversationManagement> element of the <OnNetwork> element, contains the name of an MCData group for which the MCData user has an associated <Hang-Time> duration, and corresponds to the "DisplayName" element of clause 10.2.77 in 3GPP TS 24.483 [4];

- the <MCData-ID> element of the <FD-Cancel-List-Entry> list element of the <FileDistribution> element of the <Common> element, indicates the name of an MCData user that is allowed to cancel distribution of files beings sent or waiting to be sent and corresponds to the "DisplayName" element of clause 10.2.22 in 3GPP TS 24.483 [4];

- the <entry> element of the <TxReleaseList> list element of the <TxRxControl> element of the <Common> element, indicates the name of an MCData user that is allowed to request release of an ongoing transmission and corresponds to the "DisplayName" element of clause 10.2.31 in 3GPP TS 24.483 [4];

- the <entry> element of the <GroupEmergencyAlert> element of the <Common> element, indicates the name of the MCData group recipient for an MCData emergency Alert and corresponds to the "DisplayName" element of clause 10.2.39 in 3GPP TS 24.483 [4];

- the <entry> element of the <ImplicitAffiliations> list element of the <OnNetwork> element indicates the name of an MCData group that the MCData user is implicitly affiliated with, and corresponds to the "DisplayName" element of clause 10.2.60 in 3GPP TS 24.483 [4];

- the <entry> element of the <PresenceStatus> list element of the <OnNetwork> element indicates the name of an MCData user that the configured MCData user is authorised to obtain presence status of, and corresponds to the "DisplayName" element of clause 10.2.65 in 3GPP TS 24.483 [4];

- the <entry> element of the <RemoteGroupChange> list element of the <OnNetwork> element indicates the name of an MCData user whose selected groups are authorised to be remotely changed by the configured MCData user and corresponds to the "DisplayName" element of clause 10.2.70 in 3GPP TS 24.483 [4];

- the <entry> element of the <DeliveredDisposition> list element of the <ConversationManagement> element of the <OnNetwork> element, indicates the name of an MCData user who is to be sent a message delivered disposition notification in addition to the message sender, and corresponds to the "DisplayName" element of clause 10.2.83 in 3GPP TS 24.483 [4];

- the <entry> element of the <ReadDisposition> list element of the <ConversationManagement> element of the <OnNetwork> element, indicates the name of an MCData user who is to be sent a message read disposition notification in addition to the message sender, and corresponds to the "DisplayName" element of clause 10.2.88 in 3GPP TS 24.483 [4]; and

- the <entry> element of the <One-To-One-EmergencyAlert> element of the <OnNetwork> element indicates the name of the MCData user recipient for an on-network MCData emergency one-to-one alert and corresponds to the "DisplayName" element of clause 10.2.92 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 MCData user profile is enabled or disabled and corresponds to the "Status" element of clause 10.2.121 in 3GPP TS 24.483 [4]. When set to "true" this MCData user profile is enabled. When set to "false" this MCData user profile is disabled.

The "user-profile-index" is of type "unsignedByte" and indicates the particular MCData user profile configuration document in the collection and corresponds to the "MCDataUserProfileIndex" element of clause 10.2.8 in 3GPP TS 24.483 [4].

The <ProfileName> element is of type "token" and specifies the name of the MCData user profile configuration document in the MCData user profile XDM collection and corresponds to the "MCDataUserProfileName" element of clause 10.2.9 in 3GPP TS 24.483 [4].

The <Pre-selected-indication> element is of type "mcdataup:empty Type". Presence of the <Pre-selected-indication> element indicates that this particular MCData user profile is designated to be the pre-selected MCData user profile as defined in 3GPP TS 23.282 [24], and corresponds to the "PreSelectedIndication" element of clause 10.2.10 in 3GPP TS 24.483 [4]. Absence of the <Pre-selected-indication> element indicates that this MCData user profile is not designated as the pre-selected MCData user profile within the collection of MCData user profiles for the MCData user or is the only MCData user profile within the collection and is the pre-selected MCData user profile by default.

The "XUI-URI" attribute is of type "anyURI" that contains the XUI of the MCData user for whom this MCData 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 MCData user (e.g., first responder, second responder, dispatch, dispatch supervisor). The <ParticipantType> element corresponds to the "ParticipantType" element of clause 10.2.15 in 3GPP TS 24.483 [4].

The <MissionCriticalOrganization> element of the <Common> element is of type "string" and indicates the name of the mission critical organization the MCData User belongs to. The <MissionCriticalOrganization> element corresponds to the "Organization" element of clause 10.2.16 in 3GPP TS 24.483 [4].

The <MaxData1To1> element of the <TxRxControl> element of the <Common> element is of type "positive integer" and indicates the maximum amount of data (in megabytes) that an MCData user can transmit in a single request during one-to-one communication. The <MaxData1To1> element corresponds to the "MaxData1To1" element of clause 10.2.25 in 3GPP TS 24.483 [4].

The <MaxTime1To1> element of the <TxRxControl> element of the <Common> element is of type "duration" and indicates the maximum amount of time that an MCData user can transmit for in a single request during one-to-one communication. The <MaxTime1To1> element corresponds to the "MaxTime1To1" element of clause 10.2.26 in 3GPP TS 24.483 [4].

The <RelativePresentationPriority> element is of type "nonNegativeInteger" and when it appears in:

- the <MCDataGroupInfo> 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 clause 10.2.55 in 3GPP TS 24.483 [4]; and

- the <MCDataGroupInfo> 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 clause 10.2.111 in 3GPP TS 24.483 [4].

The <allow-store-group-comm-in-msgstore> element of the <anyExt> element within the <MCDataGroupInfo> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "AllowStoreGroupCommInMsgstore" element of clause 10.2.55C in 3GPP TS 24.483 [4]. When set to "true", the MCData user is authorised to request an MCData server to store his/her group communication into message store using the procedures defined in 3GPP TS 24.282 [25].

The <MaxAffiliationsN2> element is of type "nonNegativeInteger", indicates the maximum number of MCData groups that the MCData user is authorised to affiliate with, and corresponds to the "MaxAffiliationsN2" element of clause 10.2.71 in 3GPP TS 24.483 [4].

The <HangTime> element of the <MCDataGroupHangTime> element of the <ConversationManagement> element of the <OnNetwork> element is of type "duration", and contains the conversation hang time associated with the configured MCData group, for the MCData user, and corresponds to the "HangTime" element of clause 10.2.78 in 3GPP TS 24.483 [4].

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 MCData emergency group calls for the specific functional alias, and corresponds to the "MaxSimultaneousEmergencyGroupCalls" element of clause 10.2.97B4 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 <One-to-One-CommunicationListEntry> element of the <One-To-One-Communication> element of the <Off-Network> element indicates the ProSe "User Info ID" as defined in 3GPP TS 23.303 [18] and 3GPP TS 24.334 [19] of the recipient MCData user for a one-to-one communication and corresponds to the "UserInfoID" element of clause 10.2.16G 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 MCData UE for off-network operation and corresponds to the "UserInfoID" element of clause 10.2.112 in 3GPP TS 24.483 [4].

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

- the <entry> element within the <MCDataGroupInitiation> element of the <EmergencyCall> element contained within <MCData-group-call> element indicates to use as the destination address for a group emergency communication:

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

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

i) 'DedicatedGroup'; or

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

- the <entry> element within the <MCDataGroupInitiation> element of the <ImminentPerilCall> element contained within <MCData-group-call> element indicates to use as the destination address for a group imminent peril communication:

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

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

i) 'DedicatedGroup'; or

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

- the <entry> element within the <GroupEmergencyAlert> element of the <Common> element, it corresponds to the "Usage" element of clause 10.2.40 in 3GPP TS 24.483 [4] and indicates to use as the destination address for a group emergency alert:

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

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

i) 'DedicatedGroup'; or

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

- the <entry> element within the <One-To-One-EmergencyAlert> element of the <OnNetwork> element, it corresponds to the "Usage" element of clause 10.2.93 in 3GPP TS 24.483 [4] and indicates to use as the destination address for on-network one-to-one emergency alert:

a) the MCData ID of an MCData user that is selected by the MCData 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 <One-To-One-EmergencyAlert> element, if the "entry-info" attribute has the value of:

i) 'UsePreConfigured'; or

ii) 'LocallyDetermined' and the MCData user has no currently selected MCData 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 clause 10.2.97B3B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <EnterSpecificArea> element is of type "mcdataup: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 clause 5.2 in 3GPP TS 23.032 [31];

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

c) <Speed>, an optional element specifying the horizontal speed of the device specified in clause 8 in 3GPP TS 23.032 [31]; and

d) <Heading>, an optional element specifying the bearing of the device specified in clause 8 in 3GPP TS 23.032 [31];

- <ExitSpecificArea> element is of type "mcdataup: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 deactivation. It corresponds to the "LocationCriteriaForDeactivation" element of clause 10.2.97B3C in 3GPP TS 24.483 [4] and consists of the following sub-elements:

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

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

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 clause 10.2.97B3D in 3GPP TS 24.483 [4]. When set to "true" the MCData user is not allowed to deactivate the functional alias while the location criteria for activation are met.

The <RulesForAffiliation> element within the <entry> element within the <MCDataGroupInfo> element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCData client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCData client triggers the group affiliation. It corresponds to the "RulesForAffiliation" element of clause 10.2.55A in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcdataup: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 "mcdataup: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 clause 5.2 in 3GPP TS 23.032 [31];

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

iii) a <Speed> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 clause 10.2.55A19 in 3GPP TS 24.483 [4]; and

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 clause 10.2.55A20 in 3GPP TS 24.483 [4]; and

iv) a <Heading> element specifying the bearing of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 "MinimumHeading" element of clause 10.2.55A22 in 3GPP TS 24.483 [4]; and

B) <MaximumHeading> 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 "MaximumHeading" element of clause 10.2.55A23 in 3GPP TS 24.483 [4]; and

b) <ExitSpecificArea> element is of type "mcdataup: 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 the group affiliation. The <ExitSpecificArea> element has the following sub-elements:

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

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

iii) a <Speed> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 clause 10.2.55A39 in 3GPP TS 24.483 [4]; and

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 clause 10.2.55A40 in 3GPP TS 24.483 [4]; and

iv) a <Heading> element specifying the bearing of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 "MinimumHeading" element of clause 10.2.55A42 in 3GPP TS 24.483 [4]; and

B) <MaximumHeading> 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 "MaximumHeading" element of clause 10.2.55A43 in 3GPP TS 24.483 [4]; and

- <ListOfActiveFunctionalAliasCriteria> containing one or more <entry> elements containg the <FunctionalAlias> element containing a functional alias whose activation or deactivation triggers evaluation of the rules and corresponds to the "FunctionalAlias" element of clause 10.2.55A47 in 3GPP TS 24.483 [4].

The <RulesForDeaffiliation> element within the <entry> element within the <MCDataGroupInfo> element of the <OnNetwork> element indicates upon a change in geographical area or a change in functional alias activation status to the MCData client to evaluate the rules. If for any rule any location criteria is fulfilled and any functional alias criteria is fulfilled the MCData client triggers the group affiliation. It corresponds to the "RulesForDeaffiliation" element of clause 10.2.55B in 3GPP TS 24.483 [4] and consists of the following sub-elements:

- <ListOfLocationCriteria> element is of type "mcdataup: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 "mcdataup: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 clause 5.2 in 3GPP TS 23.032 [31];

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

iii) a <Speed> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 clause 10.2.55B19 in 3GPP TS 24.483 [4]; and

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 clause 10.2.55B20 in 3GPP TS 24.483 [4]; and.

iv) a <Heading> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 "MinimumHeading" element of clause 10.2.55B22 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 "MaximumHeading" element of clause 10.2.55B23 in 3GPP TS 24.483 [4]; and

b) <ExitSpecificArea> element is of type "mcdataup: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 the group affiliation. The <ExitSpecificArea> element has the following sub-elements:

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

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

iii) a <Speed> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 clause 10.2.55B39 in 3GPP TS 24.483 [4]; and

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 clause 10.2.55B40 in 3GPP TS 24.483 [4]; and

iv) a <Heading> element specifying the horizontal speed of the device as specified in clause 8 in 3GPP TS 23.032 [31] 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 "MinimumHeading" element of clause 10.2.55B42 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 "MaximumHeading" element of clause 10.2.55B43 in 3GPP TS 24.483 [4]; and

- <ListOfActiveFunctionalAliasCriteria> containing one or more <entry> elements containg the <FunctionalAlias> element containing a functional alias whose activation or deactivation triggers evaluation of the rules and corresponds to the "FunctionalAlias" element of clause 10.2.55B47 in 3GPP TS 24.483 [4].

The <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element within the <MCDataGroupList> element of the <OnNetwork> element is of type "Boolean" and corresponds to the "ManualDeaffiliationNotAllowedIfAffiliationRulesAreMet" element of clause 10.2.55B48 in 3GPP TS 24.483 [4]. When set to "true" the MCData user is not allowed to deaffiliate from the group if the rules for affiliation are met.

The <anyExt> can be included with the following elements not declared in the XML schema:

a) a <MCDataContentServerURI> element of type "xs:anyURI":

i) set to the value of the absolute URI associated with media storage function of MCData content server, and corresponds to the "MCDataContentServerURI" element of clause 10.2.97A in 3GPP TS 24.483 [4]; and

b) a <MessageStoreHostname> element of type "xs:string":

i) set to the value of the hostname identifying the message store function, and corresponds to the "MessageStoreHostname" element of clause 10.2.97E in 3GPP TS 24.483 [4].

The <user-max-simultaneous-authorizations> element of the <anyExt> element contained in the <OnNetwork> element is of type "positiveInteger" and indicates the maximum allowed number of simultaneous service authorizations for the MCData user.

The <allow-create-delete-user-alias> element is of type Boolean, as specified in table 10.3.2.7-1, and corresponds to the "AuthorisedAlias" element of clause 10.2.14 in 3GPP TS 24.483 [4].

Table 10.3.2.7-1: Values of <allow-create-delete-user-alias>

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

The <allow-create-group-broadcast-group> element is of type Boolean, as specified in table 10.3.2.7-2, and corresponds to the "Authorised" element of clause 10.2.33 in 3GPP TS 24.483 [4].

Table 10.3.2.7-2: Values of <allow-create-group-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCData 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 MCData 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 10.3.2.7-3, and corresponds to the "Authorised" element of clause 10.2.35 in 3GPP TS 24.483 [4].

Table 10.3.2.7-3: Values of <allow-create-user-broadcast-group>

|  |  |
| --- | --- |
| "true" | indicates that the MCData 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 MCData 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-transmit-data> element is of type Boolean, as specified in table 10.3.2.7-4, and corresponds to the "AuthorisedTransmit" element of clause 10.2.24 in 3GPP TS 24.483 [4].

Table 10.3.2.7-4: Values of <allow-transmit-data>

|  |  |
| --- | --- |
| "true" | indicates that the MCData user is permitted to transmit data. |
| "false" | indicates that the MCData user is not permitted to transmit data. |

The <allow-request-affiliated-groups> element is of type Boolean, as specified in table 10.3.2.7-5, and does not appear in the user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-5: Values of <allow-request-affiliated-groups>

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

The <allow-request-to-affiliate-other-users> element is of type Boolean, as specified in table 10.3.2.7-6, and does not appear in the MCData user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-6: Values of <allow-request-to-affiliate-other-users>

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

The <allow-recommend-to-affiliate-other-users> element is of type Boolean, as specified in table 10.3.2.7-7, and does not appear in the MCData user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-7: Values of <allow-recommend-to-affiliate-other-users>

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

The <allow-regroup> element is of type Boolean, as specified in table 10.3.2.7-8, and corresponds to the "AllowedRegroup" element of clause 10.2.94 in 3GPP TS 24.483 [4].

Table 10.3.2.7-8: Values of <allow-regroup>

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

The <allow-presence-status> element is of type Boolean, as specified in table 10.3.2.7-9, and corresponds to the "AllowedPresenceStatus" element of clause 10.2.95 in 3GPP TS 24.483 [4].

Table 10.3.2.7-9: Values of <allow-presence-status>

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

The <allow-request-presence> element is of type Boolean, as specified in table 10.3.2.7-10, and corresponds to the "AllowedPresence" element of clause 10.2.96 in 3GPP TS 24.483 [4].

Table 10.3.2.7-10: Values of <allow-request-presence>

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

The <allow-activate-emergency-alert> element is of type Boolean, as specified in table 10.3.2.7-11, and corresponds to the "AllowedActivateAlert" element of clause 10.2.41 in 3GPP TS 24.483 [4].

Table 10.3.2.7-11: Values of <allow-activate-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is not authorised to activate an emergency alert using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-cancel-emergency-alert> element is of type Boolean, as specified in table 10.3.2.7-12, and corresponds to the "AllowedCancelAlert" element of clause 10.2.42 in 3GPP TS 24.483 [4].

Table 10.3.2.7-12: Values of <allow-cancel-emergency-alert>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is not authorised to cancel an emergency alert using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-cancel-emergency-alert-any-user> element is of type Boolean, as specified in table 10.3.2.7-13, and does not appear in the MCData user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-13: Values of <allow-cancel-emergency-alert-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is authorised to cancel any on-network emergency alert on any MCData UE of any user, using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is not authorised to cancel any on-network emergency alert on any MCData UE of any user, using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-enable-disable-user> element is of type Boolean, as specified in table 10.3.2.7-14, and does not appear in the MCData user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-14: Values of <allow-enable-disable-user>

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

The <allow-enable-disable-UE> element is of type Boolean, as specified in table 10.3.2.7-15, and does not appear in the MCData user profile configuration managed object specified in 3GPP TS 24.483 [4].

Table 10.3.2.7-15: Values of <allow-enable-disable-UE>

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

The <allow-off-network-manual-switch> element is of type Boolean, as specified in table 10.3.2.7-16, and corresponds to the "AllowedManualSwitch" element of clause 10.2.97 in 3GPP TS 24.483 [4].

Table 10.3.2.7-16: Values of <allow-off-network-manual-switch>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is authorised for manual switch to off-network operation while in on-network, using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the originating participating MCData function for the MCData user, that the MCData user is not authorised for manual switch to off-network operation while in on-network, using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-off-network> element is of type Boolean, as specified in table 10.3.2.7-17, and corresponds to the "Authorised" element of clause 10.2.99 in 3GPP TS 24.483 [4].

Table 10.3.2.7-17: Values of <allow-off-network>

|  |  |
| --- | --- |
| "true" | Indicates that the MCData user is authorised for off-network operation using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | Indicates that the MCData user is not authorised for off-network operation using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-query-functional-alias-other-user> element is of type Boolean, as specified in table 10.3.2.7-18, and corresponds to the "AllowedQueryFunctionalAliasOtherUser" element of clause 10.2.97C in 3GPP TS 24.483 [4].

Table 10.3.2.7-18: Values of <allow-query-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the participating MCData function for the MCData user, that the MCData user is authorised to query the functional alias(es) activated by another MCData user using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the participating MCData function for the MCData user, that the MCData user is not authorised to query the functional alias(es) activated by another MCData user using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-takeover-functional-alias-other-user> element is of type Boolean, as specified in table 10.3.2.7-19, and corresponds to the "AllowedTakeoverFunctionalAliasOtherUser" element of clause 10.2.97D in 3GPP TS 24.483 [4].

Table 10.3.2.7-19: Values of <allow-takeover-functional-alias-other-user>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the participating MCData function for the MCData user, that the MCData user is authorised to take over the functional alias(es) previously activated by another MCData user using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the MCData server performing the participating MCData function for the MCData user, that the MCData user is not authorised to take over the functional alias(es) previously activated by another MCData user using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-one-to-one-communication-from-any-user> element is of type Boolean, as specified in table 10.3.2.7-20, and corresponds to the "AuthorisedIncomingAny" element of clause 10.2.97B in 3GPP TS 24.483 [4].

Table 10.3.2.7-20: Values of <allow-one-to-one-communication-from-any-user>

|  |  |
| --- | --- |
| "true" | instructs the MCData server performing the terminating participating MCData function for the MCData user, that the MCData user is authorised to receive one-to-one communication from any MCData user. The <IncomingOne-to-OneCommunicationList> element, if present, shall be ignored.  |
| "false" | instructs the MCData server performing the terminating participating MCData function for the MCData user, that the MCData user is not authorised to receive one-to-one communication from any MCData user. The recipient is constrained to communications initiated by MCData users identified within the elements of the <IncomingOne-to-OneCommunicationList> element, based on the procedures defined in 3GPP TS 24.282 [25]. This shall be the default value taken in the absence of the element. |

The <allow-functional-alias-binding-with-group> element is of type Boolean, as specified in table 10.3.2.7-21, and corresponds to the "AllowedFunctionalAliasGroupBinding" element of clause 10.2.97H in 3GPP TS 24.483 [4].

Table 10.3.2.7-21: Values of <allow-functional-alias-binding-with-group>

|  |  |
| --- | --- |
| "true" | instructs the originating participating MCData function, serving the MCData user, that the MCData user is authorised to request the binding of a particular functional alias with a group or list of groups using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | instructs the originating participating MCData function, serving the MCData user, that the MCData user is not authorised to request the binding of a particular functional alias with a group or list of groups and reject such requests using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-store-comms-in-msgstore> element is of type Boolean, as specified in table 10.3.2.7-22, and corresponds to the "AllowStoreCommsInMsgstore" element of clause 10.2.97I in 3GPP TS 24.483 [4]. The <allow-store-comms-in-msgstore> element is the top level control parameter which decides if a user's communications will be stored in the message store or not.

Table 10.3.2.7-22: Values of <allow-store-comms-in-msgstore>

|  |  |
| --- | --- |
| "true" | indicates that the MCData user is authorised to store, or the participating MCData function to store, the MCData user communications in the message store using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | indicates that the MCData user is not authorised to store, or the participating MCData function to store, the MCData user communications in the message store using the procedures defined in 3GPP TS 24.282 [25]. |

The <allow-store-private-comms-in-msgstore> element is of type Boolean, as specified in table 10.3.2.7-23, and corresponds to the "AllowStorePrivateCommsInMsgstore" element of clause 10.2.97J in 3GPP TS 24.483 [4]. The <allow-store-private-comms-in-msgstore> element is the second level control parameter which decides if a user is authorized to request for storing the private communications in the message store or not.

Table 10.3.2.7-23: Values of <allow-store-private-comms-in-msgstore>

|  |  |
| --- | --- |
| "true" | indicates that the MCData user is authorised to store, or request the participating MCData function to store, the MCData user private communications into message store using the procedures defined in 3GPP TS 24.282 [25]. |
| "false" | indicates that the MCData user is not authorised to store, or request the participating MCData function to store, the MCData user private communications into message store using the procedures defined in 3GPP TS 24.282 [25]. |

\* \* \* End of Changes \* \* \* \*