**3GPP TSG-CT WG1 Meeting #127bis-eC1-210234**

**Electronic meeting, 25-29 January 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.483** | **CR** | **0087** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | MO update to support allowed FAs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMONASTERY2 | | | | |  | ***Date:*** | | | 2021-01-11 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | *Rel-17* |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Stage 2 requirements on support of functional aliases (FA) in first-to-answer private calls dictate that specific restrictions may apply on calls from an FA to an FA. In particular:  - The MCPTT server shall check whether the calling MCPTT client is allowed to use the functional alias of the called MCPTT client to setup a private call.  - The MCPTT server shall check whether the called MCPTT client is allowed to receive a private call from the calling MCPTT client using a functional alias.  Stage3 does not support that an MC service user that has activated an FAshall only have private communications with those MC service users that have activated specific FAs which are configured, whereas private communications with other MC service users shall not be allowed. For this purpose, two lists are introduced, one including the FAs that a user that has activated an FA can call and a second one including the FAs of users from which a call can be received. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1) Updated MO Figures  2) Updated the parameters for the MCPTT user profile Management Object (MO). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | All FAs in incoming and outgoing first-to-answer calls are allowed, which contradicts stage 2 requirements | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.1, 5.2.48W7B- 5.2.48W7E (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

## 5.1 General

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

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

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

The OMA DM ACL property mechanism (see OMA OMA-ERELD-DM-V1\_2 [2]) may be used to grant or deny access rights to OMA DM servers in order to modify nodes and leaf objects of the MCPTT user profile MO.

The following nodes and leaf objects are possible under the MCPTT user profile node as described in figure 5.1.1, figure 5.1.2, figure 5.1.3, figure 5.1.4, figure 5.1.5, figure 5.1.6, figure 5.1.7, and figure 5.1.8.



Figure 5.1.1: The MCPTT user profile MO (1 of 3)



Figure 5.1.2: The MCPTT user profile MO (2 of 3)



Figure 5.1.3: The MCPTT user profile MO (3 of 3)



Figure 5.1.4: LocationCriteriaForActivation and LocationCriteriaForDeactivation



Figure 5.1.5: EnterSpecificArea and ExitSpecificArea



Figure 5.1.6: RulesForAffiliation and RulesForDeaffiliation



Figure 5.1.7: ListOfLocationCriteria



Figure 5.1.8: ListOfFunctionalAliases

\*\*\* Next change \*\*\*

### 5.2.48W7B /*<x>*/*<x>*/OnNetwork/FunctionalAliasList/<x>/Entry/ FAsAllowedToCall

Table 5.2.48W7B.1: /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/  
FAsAllowedToCall

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | One | node | Get, Replace |  |
|  | This interior node is a placeholder for the functional alias configuration regarding the authorized functional aliases to be called in a private call by the functional alias indicated in the parent Entry node. | | | | |

### 5.2.48W7C /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/ FAsAllowedToCall/<x>

Table 5.2.48W7C.1: /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x> | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | OneOrMore | node | Get, Replace |  |
|  | This interior node is a placeholder for one or more functional alias configuration elements indicating the functional aliases that can be called in a private call by the functional alias indicated in the parent Entry node. | | | | |

### 5.2.48W7D /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/ FAsAllowedToCall/<x>/Entry

Table 5.2.48W7D.1: /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x>/Entry

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x>/Entry/ | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Optional | One | node | Get, Replace |  |
|  | This interior node is a placeholder for the details of the functional alias that can be called in a private call by the functional alias indicated in the parent Entry node. | | | | |

### 5.2.48W7E /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/ FAsAllowedToCall/<x>/Entry/FunctionalAlias

Table 5.2.48W7E.1: /*<x>*/<x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x>/Entry/FunctionalAlias

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/FunctionalAliasList/<x>/Entry/FAsAllowedToCall/<x>/Entry/FunctionalAlias | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | One | chr | Get, Replace |  |
|  | This leaf node indicates a functional alias that can be called in a private call by the functional alias indicated in the parent Entry node. | | | | |

The value is a "uri" attribute specified in OMA OMA-TS-XDM\_Group-V1\_1 [4].