**3GPP TSG-CT WG1 Meeting #124-eC1-20abcd**

**Electronic meeting, 2-10 June 2020 (was C1-203723)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.483** | **CR** | **0078** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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:*** | Restricting incoming MCData communications MO | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MONASTERY2 | | | | |  | ***Date:*** | | | 2020-05-25 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Stage 2 requirements dictate that an MCData user shall only have 1-to-1 MCData communications with those MC service users which are configured. For this purpose, two lists of users have been introduced in the profile of a user, one including the users to which the user can initiate MCData communication and a second one including the users from which 1-to-1 MCData communication is allowed.  Existing stage 3 specs already include the ougoing list, whereas restricting incoming private communications is not supported.  An additional problem that arises in this context is that a user cannot be configured to accept 1-to-1 MCData communication by any user. For this reason, in addition to the introduced Incoming List, a new option is used to indicate the cases that the list should not be considered and any incoming MCData communication should be allowed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1) Updated Figure 10.1.2: The MCData user profile MO (2 of 3) with the new list  2) Updated the parameters of the MCData user profile Management Object (MO). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | All MCData communications will be allowed, which contradicts stage 2 requirements | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.1,10.2.97B(new),10.2.97C(new),10.2.97C1-10.2.97C4(all 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:*** | | More appropriate MCData terminology used, e.g. renamed call to one-to-one communication. | | | | | | | | |

## 10.1 General

The MCData user profile configuration Management Object (MO) is used to configure the MCData Client behaviour for the on-network or off-network MCData Service. The MCData user profile 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-MCData-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 MCData user profile MO.

The following nodes and leaf objects are possible under the MCData user profile node as described in figure 10.1.1, figure 10.1.2 and figure 10.1.3:



Figure 10.1.1: The MCData user profile MO (1 of 3)



Figure 10.1.2: The MCData user profile MO (2 of 3)



Figure 10.1.3: The MCData user profile MO (3 of 3)

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

### 10.2.97B /*<x>*/*<x>*/OnNetwork/AuthorisedIncomingAny

Table 10.2.98.1: /*<x>*/<x>/OnNetwork/AuthorisedIncomingAny

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/AuthorisedIncomingAny | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | One | Bool | Get, Replace |  |
|  | This leaf node indicates the authorisation to receive MCData communication from any MCData user. | | | | |

When set to "true" the MCData user is authorised to receive MCData communication from any MCData user.

When set to "false" the MCData user is not authorised to receive an MCData communication from any MCData user, but only from the MCData users contained in the IncomingUserList.

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

### 10.2.97C /*<x>*/<x>/OnNetwork/IncomingUserList

Table 10.2.98A1.1: /*<x>*/<x>/OnNetwork/IncomingUserList

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/ OnNetwork/IncomingUserList | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | One | node | Get, Replace |  |
|  | This interior node is a placeholder for a list of MCData user(s) who are authorised to initiate one-to-one MCData communication to the configured MCData user. | | | | |

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

### 10.2.97C1 /*<x>*/<x>/OnNetwork/IncomingUserList/<x>

Table 10.2.98A2.1: /*<x>*/<x>/OnNetwork/IncomingUserList/<x>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/IncomingUserList/<x> | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Optional | OneOrMore | node | Get, Replace |  |
|  | This interior node is a placeholder for one or more list of MCData users who are authorised to initiate one-to-one MCData communication to the configured MCData user. | | | | |

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

### 10.2.97C2 /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry

Table 10.2.98A3.1: /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/IncomingUserList/<x>/Entry | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Required | One | node | Get, Replace |  |
|  | This interior node is a placeholder for one or more MCData users who are authorised to initiate one-to-one MCData communication to the configured MCData user. | | | | |

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

### 10.2.97C3 /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry/MCDataID

Table 10.2.98A4.1: /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry/MCDataID

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/IncomingUserList/<x>/Entry/MCDataID | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Optional | One | chr | Get, Replace |  |
|  | This leaf node indicates an MCData user identity (MCData ID) which is a globally unique identifier within the MCData service that represents the MCData user. | | | | |

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

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

### 10.2.97C4 /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry/MCDataIDKMSURI

Table 10.2.98A5.1: /*<x>*/<x>/OnNetwork/IncomingUserList/<x>/Entry/MCDataIDKMSURI

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <x>/OnNetwork/IncomingUserList/<x>/Entry/PrivateCallKMSURI | | | | | |
|  | Status | Occurrence | Format | Min. Access Types |  |
|  | Optional | One | chr | Get, Replace |  |
|  | This leaf node indicates the identity (URI) of the KMS associated with the MCDataID of an MCData user who is authorised to initiate a one-to-one communication to the configured MCData user. | | | | |

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