**3GPP TSG-SA WG6 Meeting #38-e S6-201059**

**e-meeting, 20th – 31th July 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.282** | **CR** | **0226** | **rev** |  | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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:*** | Limit the number of simultaneous logins on per user basis | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, Korea Railroad Research Institute (KRRI) | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMONASTERY2 | | | | |  | ***Date:*** | | | 2020-07-14 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | This CR fulfills R-5.10-001b of TS 22.280 by which an additional login limit on a per MCX User basis is introduced. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Extends the MCData user profile configuration data (on-network) by an additional login limit on a per user basis. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Stage 1 requirement not fulfilled. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

# A.3 MCData user profile configuration data

The general aspects of MC service user profile configuration data are specified in 3GPP TS 23.280 [5]. The MCData user profile configuration data is stored in the MCData user database. The MCData server obtains the MCData user profile configuration data from the MCData user database (MCData-2).

Tables A.3-1 and A.3-2 contain the MCData user profile configuration required to support the use of on-network MCData service. Tables A.3-1 and A.3-3 contain the MCData user profile configuration required to support the use of off-network MCData service. Data in table A.3-1 and A.3-3 can be configured offline using the CSC-11 reference point.

Table A.3-1: MCData user profile configuration data (on and off network)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCData UE | MCData Server | Configuration management server | MCData user database |
| Subclause 8.1.2 of 3GPP TS 23.280 [5] | MCData identity (MCData ID) | Y | Y | Y | Y |
| 3GPP TS 33.180 [13] | KMSUri for security domain of MCData ID (see NOTE 1) | Y | Y | Y | Y |
| Subclause 5.2.4 of 3GPP TS 23.280 [5] | Pre‑selected MCData user profile indication (see NOTE 2) | Y | Y | Y | Y |
| Subclause 5.2.4 of 3GPP TS 23.280 [5] | MCData user profile index | Y | Y | Y | Y |
| Subclause 5.2.4 of 3GPP TS 23.280 [5] | MCData user profile name | Y | Y | Y | Y |
| [R-5.17-007],  [R-6.13.4-002] of 3GPP TS 22.280 [2] | User profile status (enabled/disabled) |  | Y | Y | Y |
| [R-5.7-001],  [R-6.9-003] of 3GPP TS 22.280 [2] | Authorised to create and delete aliases of an MCData user and its associated user profiles. |  |  | Y | Y |
| [R-5.7-002],  [R-6.9-003] of 3GPP TS 22.280 [2] | Alphanumeric aliases of user | Y | Y | Y | Y |
| [R-5.1.1-005],  [R-5.9-001] of 3GPP TS 22.280 [2] | Participant type of the user | Y | Y | Y | Y |
| [R-5.1.8-006],  [R-5.3-002],  [R-5.9-001],  [R-5.16.2-001],  [R-5.16.2-002] of 3GPP TS 22.280 [2] | User's Mission Critical Organization (i.e. which organization a user belongs to) | Y | Y | Y | Y |
| [R-5.2.2-003] of 3GPP TS 22.280 [2] | Authorisation to create a group-broadcast group |  |  | Y | Y |
| [R-5.2.2-003] of 3GPP TS 22.280 [2] | Authorisation to create a user-broadcast group |  |  | Y | Y |
| [R-5.6.2.4.1-002] of 3GPP TS 22.280 [2] | Authorised to activate MCData emergency alert | Y | Y | Y | Y |
| [R-5.6.2.4.1-013] of 3GPP TS 22.280 [17] | Automatically trigger a MCData emergency communication after initiating the MCData emergency alert | Y | Y | Y | Y |
| [R-5.6.2.4.1-004]  [R-5.6.2.4.1-008]  [R-5.6.2.4.1-012] of 3GPP TS 22.280 [2] | Group used on initiation of an MCData emergency group communication (see NOTE 3) |  |  |  |  |
| [R-5.6.2.4.1-004], [R-5.6.2.4.1-008], [R-5.6.2.4.1-012] of 3GPP TS 22.280 [17] | Recipient for an MCData emergency private communication (see NOTE 3) |  |  |  |  |
|  | > MCData ID | Y | Y | Y | Y |
| 3GPP TS 33.180 [19] | > KMSUri for security domain of MCData ID (see NOTE 1) | Y | Y | Y | Y |
| [R-5.6.2.4.2-002] of 3GPP TS 22.280 [2] | Authorisation to cancel an MCData emergency alert | Y | Y | Y | Y |
| [R-6.1.1.2-005],  [R-6.1.1.2-006],  [R-6.1.1.2-007] of 3GPP TS 22.282 [3] | Individual conversation hang time | Y | Y | Y | Y |
|  | One-to-one communication |  |  |  |  |
| [R-6.3.1.2-007] of 3GPP TS 22.282 [3] and 3GPP TS 33.180 [13] | > List of MCData users this MCData user is authorized to initiate a one‑to-one communication |  |  |  |  |
|  | >> MCData ID | Y | N | Y | Y |
|  | >> Discovery Group ID | Y | N | Y | Y |
|  | >> User info ID (as specified in 3GPP TS 23.303 [7]) | Y | N | Y | Y |
|  | >> KMSUri for security domain of MCData ID (see NOTE 1) | Y | Y | Y | Y |
| [R-6.7.3-007] of 3GPP TS 22.280 [2] | Authorised to make one-to-one communications towards users not included in "list of MCData user(s) this MCData user is authorized to initiate a one‑to-one communication" | Y | Y | Y | Y |
|  | File distribution |  |  |  |  |
| [R-5.3.2-010] of 3GPP TS 22.282 [3] and 3GPP TS 33.180 [13] | > List of MCData users this MCData user is allowed to cancel distribution of files being sent or waiting to be sent |  |  |  |  |
|  | >> MCData ID | Y | Y | Y | Y |
|  | >> KMSUri for security domain of MCData ID (see NOTE 1) | Y | Y | Y | Y |
|  | Transmission and reception control |  |  |  |  |
| [R-6.2.2.1-001] of 3GPP TS 22.282 [3] | > Whether the MCData user is permitted to transmit data | Y | Y | Y | Y |
| [R-6.2.3-005] of 3GPP TS 22.282 [3] | > Maximum amount of data that the MCData user can transmit in a single request during one-to-one communication | Y | Y | Y | Y |
| [R-6.2.3-005] and [R‑6.3.1.2-008] of 3GPP TS 22.282 [3] | > Maximum amount of time that the MCData user can transmit in a single request during one-to-one communication | Y | Y | Y | Y |
| [R-6.2.3-001] of 3GPP TS 22.282 [3] | > List of MCData users this MCData user is allowed to request the release of an ongoing transmission that this MCData user is participating in |  |  |  |  |
|  | >> MCData ID | Y | Y | Y | Y |
| [R-5.1.7-002] and  [R-6.8.7.2-007] and [R-6.8.7.2-008] of 3GPP TS 22.280 [2] | Priority of the user (see NOTE 4) |  | Y | Y | Y |
| NOTE 1: If this parameter is absent, the KMSUri shall be that identified in the initial MC service UE configuration data (on-network) configured in table A.6-1 of 3GPP TS 23.280 [5].  NOTE 2: As specified in 3GPP TS 23.280 [5], for each MCData user's set of MCData user profiles, only one MCData user profile shall be indicated as being the pre‑selected MCData user profile.  NOTE 3: This parameter is used for the emergency communication and also used as a target of the emergency alert request. At most one of them is configured; i.e. emergency communication will go to either a group or a user. If both are not configured the MCData user's currently selected group will be used.  NOTE 4: The use of the parameter is left to implementation. | | | | | |

Table A.3-2: MCData user profile configuration data (on network)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCData UE | MCData Server | Configuration management server | MCData user database |
| [R-5.1.5-001],  [R-5.1.5-002],  [R-5.10-001],  [R-6.4.7-002],  [R-6.8.1-008],  [R-6.7.4-002] of 3GPP TS 22.280 [2] | List of on-network MCData groups for use by an MCData user |  |  |  |  |
|  | > MCData Group ID | Y | Y | Y | Y |
|  | > Application plane server identity information of group management server where group is defined |  |  |  |  |
|  | >> Server URI | Y | Y | Y | Y |
|  | > Application plane server identity information of identity management server which provides authorization for group (see NOTE 1) |  |  |  |  |
|  | >> Server URI | Y | Y | Y | Y |
| 3GPP TS 33.180 [13] | > KMSUri for security domain of group (see NOTE 2) | Y | Y | Y | Y |
|  | > Presentation priority of the group relative to other groups and users (see NOTE 3) | Y | N | Y | Y |
| Subclause 5.2.5 of 3GPP TS 23.280 [5] | List of groups user implicitly affiliates to after MCData service authorization for the user |  |  |  |  |
|  | > MCData Group ID | Y | Y | Y | Y |
| [R-6.4.2-006] of 3GPP TS 22.280 [2] | Authorisation of an MCData user to request a list of which MCData groups a user has affiliated to |  | Y | Y | Y |
| [R-6.4.6.1-002],  [R-6.4.6.1-003] of 3GPP TS 22.280 [2] | Authorisation to change affiliated groups of other specified user(s) |  | Y | Y | Y |
| [R-6.4.6.2-001],  [R-6.4.6.2-002] of 3GPP TS 22.280 [2] | Authorisation to recommend to specified user(s) to affiliate to specific group(s) |  | Y | Y | Y |
| [R-6.6.1-004] of 3GPP TS 22.280 [2] | Authorisation to perform regrouping | Y | Y | Y | Y |
| [R-6.7.2-001] of 3GPP TS 22.280 [2] | Presence status is available/not available to other users | Y | Y | Y | Y |
| [R-6.7.1-002],  [R-6.7.2-002] of 3GPP TS 22.280 [2] | List of MCData users that MCData user is authorised to obtain presence of |  |  |  |  |
|  | > MCData IDs | Y | Y | Y | Y |
| [R-6.8.7.4.2-001], [R-6.8.7.4.2-002] of 3GPP TS 22.280 [2] | Authorisation of a user to cancel an emergency alert on any MCData UE of any user |  | Y | Y | Y |
| [R-6.13.4-001] of 3GPP TS 22.280 [2] | Authorisation for an MCData user to enable/disable an MCData user |  | Y | Y | Y |
| [R-6.13.4-003], [R-6.13.4-005], [R-6.13.4-006], [R-6.13.4-007] of 3GPP TS 22.280 [2] | Authorisation for an MCData user to (permanently /temporarily) enable/disable a UE |  | Y | Y | Y |
| [R-7.14-002],  [R-7.14-003] of 3GPP TS 22.280 [2] | Authorization for manual switch to off-network while in on-network | Y | Y | Y | Y |
| [R-5.1.5-004] of 3GPP TS 22.280 [2] | Limitation of number of affiliations per user (N2) | N | Y | Y | Y |
| [R-6.4.6.1-001],  [R-6.4.6.1-004] of 3GPP TS 22.280 [2] | List of MCData users whose selected groups are authorized to be remotely changed |  |  |  |  |
|  | > MCData ID | Y | Y | Y | Y |
| [R-6.7.3-007a] of 3GPP TS 22.280 [2] and 3GPP TS 33.180 [13] | List of MCData users this MCData user is authorized to receive a one‑to-one communication |  |  |  |  |
|  | > MCData ID | Y | Y | Y | Y |
|  | > KMSUri for security domain of MCData ID | Y | Y | Y | Y |
|  | Conversation management |  |  |  |  |
| [R-6.1.1.2-009] of 3GPP TS 22.282 [3]. | > List of MCData users to be sent message delivered disposition notifications in addition to the message sender | N | Y | Y | Y |
|  | >> MCData ID | N | Y | Y | Y |
| [R-6.1.1.2-009] of 3GPP TS 22.282 [3]. | > List of MCData users to be sent message read disposition notifications in addition to the message sender | N | Y | Y | Y |
|  | >> MCData ID | N | Y | Y | Y |
| 3GPP TS 23.283 [18] | Authorised to use LMR E2EE for interworking | Y | Y | Y | Y |
| 3GPP TS 23.283 [18] | > List of supported LMR technology types |  |  |  |  |
| 3GPP TS 23.283 [18] | >> LMR technology type (P25, TETRA etc.) | Y | N | Y | Y |
| 3GPP TS 23.283 [18] | >> URI of LMR key management functional entity (see NOTE 4 ) | Y | N | Y | Y |
| 3GPP TS 23.283 [18] | >> LMR specific identity (RSI for P25 or ITSI for TETRA) (see NOTE 5) | Y | N | Y | Y |
| 3GPP TS 23.283 [18] | >> LMR specific security information (see NOTE 5) | Y | N | Y | Y |
|  | List of servers used in the private and group communications |  |  |  |  |
|  | > MCData content server where the HTTP FD file is uploaded |  |  |  |  |
|  | >> Server URI | Y | Y | Y | Y |
|  | > MCData message store where the communication history stores |  |  |  |  |
|  | >> Server URI | Y | Y | Y | Y |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | List of partner MCData systems in which this profile is valid for use during migration |  |  |  |  |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | > Identity of partner MCData system | Y | Y | Y | Y |
| Subclause 10.1.1 of 3GPP TS 23.280 [16] | > Access information for partner MCData system (see NOTE 6) | Y |  | Y | Y |
| [R-5.9a-012] of 3GPP TS 22.280 [2]  [R-5.9a-013] of 3GPP TS 22.280 [2] | Authorised to request information query of the association between active functional alias(es) and the MCData ID(s) |  | Y | Y | Y |
| [R-6.6.4.2-002a] and [R-6.6.4.2-002b] of 3GPP TS 22.280 [2] | List of groups the client affiliates/de-affiliates when criteria is met |  |  |  |  |
|  | > MCData Group ID | Y | Y | Y | Y |
|  | >> Criteria for affiliation (see NOTE 7) | Y | Y | Y | Y |
|  | >> Criteria for de-affiliation (see NOTE 7) | Y | Y | Y | Y |
|  | >> Manual de-affiliation is not allowed if criteria for affiliation are met | Y | Y | Y | Y |
| [R-6.6.4.2-002] of 3GPP TS 22.280 [2] | List of groups the client affiliates after receiving an emergency alert |  |  |  |  |
|  | > MCData Group ID | Y | Y | Y | Y |
|  | >> Manual de-affiliation is not allowed if criteria for affiliation are met | Y | Y | Y | Y |
|  | List of functional alias(es) of the MCData user |  |  |  |  |
| [R-5.9a-005] of 3GPP TS 22.280 [2] | > Functional alias | Y | Y | Y | Y |
| [R-5.9a-018] of 3GPP TS 22.280 [2] | >> Trigger criteria for activation by the MCData server (see NOTE 8) | N | Y | Y | Y |
| [R-5.9a-017], [R-5.9a-018] of 3GPP TS 22.280 [2] | >> Trigger criteria for de-activation by the MCData server (see NOTE 8) | N | Y | Y | Y |
| [R-5.9a-019] of 3GPP TS 22.280 [2] | >> Trigger criteria for activation by the MCData client (see NOTE 8) | Y | Y | Y | Y |
| [R-5.9a-019] of 3GPP TS 22.280 [2] | >> Trigger criteria for de-activation by the MCData client (see NOTE 8) | Y | Y | Y | Y |
|  | >> Manual de-activation is not allowed if the criteria are met (see NOTE 8) | Y | Y | Y | Y |
| [R-5.9a-012] of 3GPP TS 22.280 [2] | Authorised to take over a functional alias from another MCData user |  | Y | Y | Y |
|  | Authorised to participate in an IP connectivity session | Y | Y | Y | Y |
| [R-5.5.2-003],  [R-5.5.2-004] 3GPP TS 22.282 [3] | >List of MCData users which can be included in IP connectivity sessions. |  |  |  |  |
|  | >> MCData ID | Y | Y | Y | Y |
| 3GPP TS 33.180 [13] | >> KMSUri for security domain of the MCData ID | Y | Y | Y | Y |
|  | >>List of associated data host IP information |  |  |  |  |
|  | >>>IP information (see NOTE 9) | Y | Y | Y | Y |
| [R-5.5.2-003] 3GPP TS 22.282 [3] | Authorised to initiate remote point-to-point IP connectivity sessions | N | Y | Y | Y |
|  | >List of MCData users which can be addressed in a remote initiated IP connectivity session; |  |  |  |  |
|  | >> MCData ID | N | Y | Y | Y |
| [R-5.5.2-003] 3GPP TS 22.282 [3] | Authorised to tear down point-to-point IP connectivity sessions | N | Y | Y | Y |
|  | >List of MCData users which can be addressed in a remote initiated IP connectivity session tear down; |  |  |  |  |
|  | >> MCData ID | N | Y | Y | Y |
| [R-5.5.2-006]  3GPP TS 22.282 [3] | Authorised to request remotely application priority modification of established point-to-point IP connectivity sessions; |  |  |  |  |
|  | >List of MCData users which can be addressed remotely to change the application priority of established IP connectivity sessions; | Y | Y | Y | Y |
| [R-5.10-001b] 3GPP TS 22.280 [2] | Maximum number of successful simultaneous MCData service authorizations for this user (see NOTE 10) | N | Y | Y | Y |
| NOTE 1: If this parameter is not configured, authorization to use the group shall be obtained from the identity management server identified in the initial MC service UE configuration data (on-network) configured in table A.6-1 of 3GPP TS 23.280 [5].  NOTE 2: If this parameter is absent, the KMSUri shall be that identified in the initial MC service UE configuration data (on-network) configured in table A.6-1 of 3GPP TS 23.280 [5].  NOTE 3: The use of this parameter by the MCData UE is outside the scope of the present document.  NOTE 4: The LMR key management functional entity is part of the LMR system and is outside the scope of the present document.  NOTE 5: This is an LMR specific parameter with no meaning within MC services.  NOTE 6: Access information for each partner MCData system comprises the list of information required for initial UE configuration to access an MCData system, as defined in table A.6-1 of 3GPP TS 23.280 [16]  NOTE 7: The criteria may consist conditions such as the location of the MCData user or the active functional alias of the MCData user.  NOTE 8: The criteria may consist of conditions such as MCData user location or time.  NOTE 9: IP information may contain IP addresses, corresponding subnet masks, gateway and DNS settings.  NOTE 10: If present, the maximum number of successful simultaneous service authorisations configured in table A.5-2 has precedence. | | | | | |

Table A.3-3: MCData user profile configuration data (off network)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCData UE | MCData Server | Configuration management server | MCData user database |
| [R-7.2-003],  [R-7.6-004] of 3GPP TS 22.280 [2] | List of off-network MCData groups for use by this MCData user |  |  |  |  |
|  | > MCData Group ID | Y | N | Y | Y |
|  | > Application plane server identity information of group management server where group is defined |  |  |  |  |
|  | >> Server URI | Y | N | Y | Y |
|  | > Application plane server identity information of identity management server which provides authorization for group (see NOTE 1) |  |  |  |  |
|  | >> Server URI | Y | N | Y | Y |
| 3GPP TS 33.180 [13] | > KMSUri for security domain of group (see NOTE 2) | Y | N | Y | Y |
|  | > Presentation priority of the group relative to other groups and users (see NOTE 3) | Y | N | Y | Y |
| [R-7.12-002],  [R-7.12-003] of 3GPP TS 22.280 [2] | Authorization for off-network services | Y | N | Y | Y |
| Subclause 10.7.2 | User info ID (as specified in 3GPP TS 23.303 [7]) | Y | N | Y | Y |
| NOTE 1: If this parameter is not configured, authorization to use the group shall be obtained from the identity management server identified in the initial MC service UE configuration data (on-network) configured in table A.6-1 of TS 23.280 [5].  NOTE 2: If this parameter is absent, the KMSUri shall be that identified in the initial MC service UE configuration data (on-network) configured in table A.6-1 of 3GPP TS 23.280 [5].  NOTE 3: The use of this parameter by the MCData UE is outside the scope of the present document. | | | | | |

\* \* \* End of Changes \* \* \* \*