**3GPP TSG-SA WG6 Meeting #63S6-244418**

**Hyderabad, India, 14th – 18th October 2024 (revision of S6-244023)**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.280** | **CR** | **0587** | **rev** | **1** | **Current version:** | **19.4.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Airbus | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enhMC | | | | |  | ***Date:*** | | | 2024-10-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Configurations to set the target groups for recording service are not yet specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding parameters “Group is a target for recording” and “Recording server address” to the common group configuration data in Table A.4-1. Adding “Recording admin UE & Replay UE” and “Recording server” as new columns in Table A.4-1. Adding “MCRec ID” to the list of authorized users inTable A.4-2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Functionality to set target groups for recording is missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.280 CR 585 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | Note: A.X is defined in CR 585. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

# A.4 Group configuration data

The group configuration data is stored in the group management server. The group management server is used to configure the group configuration data to the MC service UE (CSC-2), recording admin UE (CSC-2), replay UE (CSC-2), MC service server (CSC-3) and the recording server (REC-5).

A single group can support one or multiple MC service configurations. Hence, the MC service group configuration data is divided into common group configuration data and MC service specific group configuration data.

The group configuration data can be configured offline using the CSC-12 reference point.

The common group configuration data are specified in table A.4-1. Tables A.4-1 and A.4-2 contain the group configuration required to support the use of on-network MC service. Tables A.4-1 and A.4-3 contain the group configuration required to support the use of off-network MC service.

The MC service related group configuration data specific to each MC service is specified as follows:

- MCPTT related group configuration data is specified in 3GPP TS 23.379 [16];

- MCVideo related group configuration data is specified in 3GPP TS 23.281 [12]; and

- MCData related group configuration data is specified in 3GPP TS 23.282 [13];

Table A.4-1: Common group configuration data (on and off network)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MC service UE | Rec. admin UE  &  Replay UE (NOTE 9) | MC service Server | Group management server | Recording server |
| [R-5.17-004],  [R-6.4.3-001],  [R-6.4.3-002],  [R-6.9-004] and  [R-5.1.3-002] of 3GPP TS 22.280 [3] | MC service group ID | Y | Y | Y | Y | Y |
| [R-5.17-004],  [R-6.4.3-001],  [R-6.4.3-002] and  [R-6.9-004] of 3GPP TS 22.280 [3] | Group Alias (Contact URIs) | Y |  | Y | Y |  |
|  | List of group members (see NOTE 1) (see NOTE 8) |  |  |  |  |  |
| [R-5.1.3-001],  [R-5.1.5-001],  [R-6.4.5-005] and  [R-6.4.5-006] of 3GPP TS 22.280 [3] | > MCPTT |  |  |  |  |  |
|  | >> MCPTT ID (see NOTE 2) | N | Y | Y | Y |  |
| 3GPP TS 33.180 [25] | >> KMSUri for security domain of the MCPTT ID (see NOTE 3) | N |  | Y | Y |  |
| [R-6.2.2-001] and  [R-7.6-007] of 3GPP TS 22.280 [3],  [R-6.2.3.7.4.1-002] and  [R-6.2.3.7.4.1-006] of 3GPP TS 22.179 [2] | >> User priority for the group | N |  | Y | Y |  |
| [R-5.1.3-001] of 3GPP TS 22.280 [3] | >> Participant type for the group (group membership information). The participant type values are defined and configured by the Mission Critical Organisation (e.g.first responder, second responder, dispatcher, dispatch supervisor, MC service administrator). | N | Y | Y | Y |  |
| [R-5.1.3-001],  [R-5.1.5-001],  [R-6.4.5-005] and  [R-6.4.5-006] of 3GPP TS 22.280 [3] | > MCVideo |  |  |  |  |  |
|  | >> MCVideo ID (see NOTE 2) | N | Y | Y | Y |  |
| 3GPP TS 33.180 [25] | >> KMSUri for security domain of the MCVideo ID (see NOTE 3) | N |  | Y | Y |  |
| [R-6.2.2-001] and  [R-7.6-007] of 3GPP TS 22.280 [3] | >> User priority for the group | N |  | Y | Y |  |
| [R-5.1.3-001] of 3GPP TS 22.280 [3] | >> Participant type for the group (group membership information). The particpant type values are defined and configured by the Mission Critical Organisation (e.g.first responder, second responder, dispatcher, dispatch supervisor, MC service administrator). | N | Y | Y | Y |  |
| [R-5.1.3-001],  [R-5.1.5-001],  [R-6.4.5-005] and  [R-6.4.5-006] of 3GPP TS 22.280 [3] | > MCData |  |  |  |  |  |
|  | >> MCData ID (see NOTE 2) | N | Y | Y | Y |  |
| 3GPP TS 33.180 [25] | >> KMSUri for security domain of the MCData ID (see NOTE 3) | N |  | Y | Y |  |
| [R-6.2.2-001] and  [R-7.6-007] of 3GPP TS 22.280 [3] | >> User priority for the group | N |  | Y | Y |  |
| [R-5.1.3-001] of 3GPP TS 22.280 [3] | >> Participant type for the group (group membership information). The particpant type values are defined and configured by the Mission Critical Organisation (e.g.first responder, second responder, dispatcher, dispatch supervisor, MC service administrator). | N | Y | Y | Y |  |
| [R-5.16.2-001] and  [R-5.16.2-002] of 3GPP TS 22.280 [3] | Group’s owner (Mission Critical Organisation) | Y | Y | Y | Y | Y |
| Subclause 8.3.2, 10.2.3 | MC service specific configuration (see NOTE 4) |  |  |  |  |  |
|  | > MCPTT configuration (see NOTE 5) |  |  |  |  |  |
|  | > MCVideo configuration (see NOTE 6) |  |  |  |  |  |
|  | > MCData configuration (see NOTE 7) |  |  |  |  |  |
|  | List of subordinate groups |  |  |  |  |  |
| [R-5.2.2-002] of 3GPP TS 22.280 [3] | > MC service group ID | N | Y | Y | Y |  |
|  | Group broadcast information |  |  |  |  |  |
| [R-5.2.2-001] of 3GPP TS 22.280 [3] | Level within group hierarchy | N |  | Y | Y |  |
| [R-5.2.3-001] of 3GPP TS 22.280 [3] | Level within user hierarchy | N |  | Y | Y |  |
| Subclause 10.6.2.9 of 3GPP TS 23.379 [16] | Group is a preconfigured regroup group | Y | Y | Y | Y |  |
| [R-5.2.1-002] of 3GPP TS 22.280 [3] | Group is a broadcast group | Y | Y | Y | Y |  |
| [R-6.15.4-001…010] of 3GPP TS 22.280 [3] | Group is a target for recording | Y  (NOTE 11) | Y | Y | Y | Y |
| [R-6.15.4-001…010] of 3GPP TS 22.280 [3] | Recording server address (URI) (NOTE 10) | Y  (NOTE 11) | Y | Y | Y |  |
| NOTE 1: The list of group members is provided to an authorized user only upon request and not by default.  NOTE 2: MC service Ids for all configured MC services shall be provided for the configured group member.  NOTE 3: 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.  NOTE 4: An MC service specific configuration shall be provided for all of the MC services for which the group is enabled. At least one MC service shall be enabled for a group.  NOTE 5: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.379 [16].  NOTE 6: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.281 [12].  NOTE 7: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.282 [13].  NOTE 8: The list of group members comprises all group members in primary and in partner MC systems of the MC service group.  NOTE 9: This is the recording admin UE and/or replay UE of a user who is authorized to set this MC service group as a target for recording and/or authorized to replay this MC service group’s recordings.  NOTE 10: If this parameter is absent, the Recording server URI shall be that identified in the initial MC service UE configuration data (on-network, table A.6-1) or in the initial recording admin and replay UE configuration data (on-network, table A.X-1)  NOTE 11: These parameters, when provided to an MC service UE, are relevant only for recording administrators and replay users. | | | | | | |

Table A.4-2: Common group configuration data (on‑network)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reference | Parameter description | MC service UE | MC service Server | Group management server |
| [R-6.1-001] of 3GPP TS 22.280 [3] | Maximum number of group members (Nc6) | N | Y | Y |
| [R-6.1-003] of 3GPP TS 22.280 [3] | Enabled/disabled group (basic status) | Y | Y | Y |
| [R-6.6.1-006] of 3GPP TS 22.280 [3] | Temporary group indication | Y | Y | Y |
| [R-6.4.5-005]  and  [R-6.15.4-001…010] of 3GPP TS 22.280 [3] | List of authorised users who can request the list of members of an MC service group | Y | Y | Y |
|  | > MCPTT IDs |  |  | Y |
|  | > MCVideo IDs |  |  | Y |
|  | > MCData IDs |  |  | Y |
|  | > MCRec IDs |  |  | Y |
|  | MC service specific configuration |  |  |  |
|  | > MCPTT configuration (see NOTE 1) |  |  |  |
|  | > MCVideo configuration (see NOTE 2) |  |  |  |
|  | > MCData configuration (see NOTE 3) |  |  |  |
| [R-6.4.9-006] of 3GPP TS 22.280 [3] | Geographic area within which affiliation to the group is permitted (see NOTE 4) | Y | Y | Y |
| [R-6.4.9-006] of 3GPP TS 22.280 [3] | Geographic area outside which de-affiliation from the group is mandatory (see NOTE 4) | Y | Y | Y |
| Subclause 10.2.5  and  [R-6.15.4-001…010] of 3GPP TS 22.280 [3] | List of authorised users who can retrieve the group information |  |  |  |
|  | > MCPTT IDs |  |  | Y |
|  | > MCVideo IDs |  |  | Y |
|  | > MCData IDs |  |  | Y |
|  | > MCRec IDs |  |  | Y |
| Subclause 5.2.3 | Associated relay service code (as specified in 3GPP TS 23.303 [14]) | Y | N | Y |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | List of partner MC systems from which interconnection is permitted for the group |  |  |  |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | > Identity of partner MCPTT system |  | Y | Y |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | > Identity of partner MCVideo system |  | Y | Y |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | > Identity of partner MCData system |  | Y | Y |
| [R-6.4.4-003] of 3GPP TS 22.280 [16] | List of functional aliases which prevents de-affiliating |  |  |  |
|  | > Functional alias | N | Y | Y |
| [R-6.4.4-004] of 3GPP TS 22.280 [16] | List of functional aliases which prevents de-affiliating, if only one user has bound the functional alias to the group |  |  |  |
|  | > Functional alias | N | Y | Y |
| NOTE 1: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.379 [16].  NOTE 2: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.281 [12].  NOTE 3: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.282 [13].  NOTE 4: The geographic area may consist of a union of regions that are non-contiguous or contain holes. | | | | |

Table A.4-3: Common group configuration data (off‑network)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reference | Parameter description | MC service UE | MC service server | Group management server |
| Subclause 8.1.3.2 | ProSe layer-2 group ID (as specified in 3GPP TS 23.303 [14]) | Y | N | Y |
| Subclause 8.1.3.2 | ProSe group IP multicast address (as specified in 3GPP TS 23.303 [14]) | Y | N | Y |
| Subclause 8.1.3.2 | Indication of whether the UE shall use Ipv4 or Ipv6 for the MC service group (as specified in 3GPP TS 23.303 [14]) | Y | N | Y |
|  | MC service specific configuration |  |  |  |
|  | > MCPTT configuration (see NOTE 1) |  |  |  |
|  | > MCVideo configuration (see NOTE 2) |  |  |  |
|  | > MCData configuration (see NOTE 3) |  |  |  |
| NOTE 1: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.379 [16].  NOTE 2: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.281 [12].  NOTE 3: This parameter is a parent parameter whose child parameters are defined in 3GPP TS 23.282 [13]. | | | | |

\* \* \* \* End of changes \* \* \* \*