**3GPP TSG-SA WG6 Meeting #39-bis-e S6-201844**

**e-meeting, 12th – 20th October 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **23.281** | **CR** | **0153** | **rev** | **-** | **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:***  | Call restrictions for normal private calls |
|  |  |
| ***Source to WG:*** | Huawei, Hisilicon |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | eMONASTERY2 |  | ***Date:*** | 2020-10-05 |
|  |  |  |  |  |
| ***Category:*** | **C** |  | ***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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | CR 0269 was agreed to address the requirements [R-5.9a-020], [R-5.9a-021] in 3GPP TS 22.280 about private call restrictions. The above requirements also apply to the MCVideo service. However, the private call restrictions for MCVideo private call is missing. |
|  |  |
| ***Summary of change:*** | (1) Enhance MCVideo user profile configuration data.(2) update the MCVideo private call procedures to add additional private call restrictions checks by the MCVideo server. |
|  |  |
| ***Consequences if not approved:*** | Private call restrictions features for MCVideo is incomplete. |
|  |  |
| ***Clauses affected:*** | 7.2.2.3.1, 7.2.2.3.2.2, 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 \* \* \* \*

##### 7.2.2.3.1 Private call setup in automatic commencement mode

The procedure describes the scenario where an MCVideo user is initiating an MCVideo private call for communicating with another MCVideo user, with or without transmission control enabled, in an automatic commencement mode.

Procedures in figure 7.2.2.3.1-1 are the basic signalling control plane procedures for the MCVideo client initiating establishment of MCVideo private call with the chosen MCVideo user.

Pre-conditions:

1. MCVideo users on MCVideo client 1 and MCVideo client 2 are already registered for receiving MCVideo service.

2. The calling MCVideo user has selected automatic commencement mode for the call; or

3. The called MCVideo client is set to automatic commencement mode.

4. Optionally, the MCVideo client 1 may have a functional alias activated to be used.

5. The MCVideo server may have subscribed to the MCVideo functional alias controlling server within the MC system for functional alias activation/de-activation updates.



Figure 7.2.2.3.1-1: Private call setup in automatic commencement mode– MCVideo users in the same MC system

1. User at MCVideo client 1 would like to initiate an MCVideo private call for the chosen MCVideo user. The MCVideo user at MCVideo client 1 may include a functional alias used within the MCVideo private call.

2. MCVideo client 1 sends an MCVideo private call request towards the MCVideo server (via SIP core) using a service identifier as defined in 3GPP TS 23.228 [5] for MCVideo, for establishing a private call with the chosen MCVideo user. The MCVideo private call request contains the MCVideo ID or the functional alias of invited user, an SDP offer containing one or more media types. The MCVideo client 1 may include a Requested commencement mode that indicates that the call is to be established in automatic commencement mode if automatic commencement mode is requested by the initiating user.

NOTE 1: As part of this step, MCVideo client 1 and MCVideo client 2 set up a security association (when no functional alias is present), if end-to-end encryption is used for this call.

3. MCVideo server checks whether the MCVideo user at MCVideo client 1 is authorized to initiate the private call, and that MCVideo user at MCVideo client 2 is authorized to receive the private call. MCVideo server verifies whether the provided functional alias, if present, can be used and has been activated for the user. If the MCVideo private call request contains a functional alias instead of an MCVideo ID as called party, the MCVideo server shall resolve the functional alias to the corresponding MCVideo ID(s) for which the functional alias is active. The MCVideo server shall also check whether MCVideo client 1 is allowed to use the functional alias of MCVideo client 2 to setup a private call and whether MCVideo client 2 is allowed to receive a private call from MCVideo client 1 using the functional alias. If the MCVideo private call request requested automatic commencement mode then the MCVideo server also checks whether the MCVideo user at MCVideo client 1 is authorized to initiate a private call in automatic commencement mode.

NOTE 2: When a functional alias is shared among multiple MCVideo users, only one target MCVideo user can be target of the private call request. The MCVideo server resolves the associated MCVideo IDs of the functional alias and determines a MCVideo ID by help of criteria not defined here (e.g. location, time etc). This determination can include rejection of the call, if no suitable MCVideo ID is selected.

4a. If the MCVideo private call request contains only the functional alias instead of an MCVideo ID for the called party, the MCVideo server responds with a functional alias resolution response message that contains the resolved MCVideo ID back to MCVideo client 1.

4b. If the MCVideo server replies with a MCVideo functional alias resolution response message, the MCVideo client 1 sends a new MCVideo private call request towards the resolved MCVideo ID.

NOTE 3: MCVideo client 1 and MCVideo client 2 set up a security association for the media, if end-to-end encryption is used for this call.

5. MCVideo server may provide a progress indication to MCVideo client 1 to indicate progress in the call setup process.

NOTE 4: Step 5 can occur at any time following step 4b, and prior to step 9.

6. If authorized, MCVideo server includes information that it communicates using MCVideo service, offers the same media types or a subset of the media types contained in the initial received request, includes the requested automatic commencement mode indication based on a requested automatic commencement mode by the calling user or based upon the setting of the called MCVideo client and sends the corresponding MCVideo private call request towards the MCVideo client 2, including the MC service ID and, if available the functional alias of the calling MCVideo user 1. If the called MCVideo user has registered to the MCVideo service with multiple MCVideo UEs and has designated the MCVideo UE for receiving the private calls, then the incoming MCVideo private call request is delivered only to the designated MCVideo UE.

7. The receiving MCVideo client 2 notifies the user about the incoming private call. If the functional alias of the calling user is included, it is displayed.

8. The receiving MCVideo client 2 accepts the private call automatically, and an MCVideo private call response is sent to the MCVideo server (via SIP core).

9. Upon receiving the MCVideo private call response from MCVideo client 2 accepting the private call request, the MCVideo server informs the MCVideo client 1 about successful call establishment.

10. MCVideo client 1 and MCVideo client 2 have successfully established media plane and transmission control for communication and both users can transmit media.

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

###### 7.2.2.3.2.2 Procedure

Both clients are served by the primary MC service provider in figure 7.2.2.3.2.2-1.

Pre-conditions:

1. MCVideo client 1 and MCVideo client 2 are both registered and their respective users, MCVideo user 1 and MCVideo user 2, are authenticated and authorized to use the MCVideo service.

2. The calling MCVideo user has selected manual commencement mode or has not specified a commencement mode for the call; and

3. The called MCVideo client is set to manual commencement mode.

4. Optionally, the MCVideo client 1 may have a functional alias activated to be used.

5. The MCVideo server may have subscribed to the MCVideo functional alias controlling server within the MC system for functional alias activation/de-activation updates.



Figure 7.2.2.3.2.2-1: MCVideo private call in manual commencement mode– MCVideo users in the same MC system

1. MCVideo user at MCVideo client 1 would like to initiate an MCVideo private call for the selected MCVideo user. The MCVideo user at MCVideo client 1 may include a functional alias used within the MCVideo private call.

2. MCVideo client 1 sends an MCVideo private call request addressed to the MC service ID of MCVideo user 2 using an MCVideo service identifier as defined in 3GPP TS 23.228 [5] (possible for the SIP core to route the request to the MCVideo server). The MCVideo private call request contains the MC service ID or the functional alias of invited user and an SDP offer containing one or more media types. The MCVideo client 1 may include a requested commencement mode that indicates that the call is to be established in manual commencement mode if manual commencement mode is requested by the initiating user.

NOTE 1: As part of this step, MCVideo client 1 and MCVideo client 2 set up a security association (when no functional alias is present), if end-to-end encryption is used for this call.

3. The MCVideo server confirms that both MCVideo users are authorized for the private call. MCVideo server verifies whether the provided functional alias, if present, can be used and has been activated for the user. If the MCVideo private call request contains a functional alias instead of an MCVideo ID as called party, the MCVideo server shall resolve the functional alias to the corresponding MCVideo ID(s) for which the functional alias is active. The MCVideo server shall also check whether MCVideo client 1 is allowed to use the functional alias of MCVideo client 2 to setup a private call and whether MCVideo client 2 is allowed to receive a private call from MCVideo client 1 using the functional alias. The MCVideo server checks the commencement mode setting of the called MCVideo client and also checks whether the MCVideo user at MCVideo client 1 is authorized to initiate a call in manual commencement mode.

NOTE 2: When a functional alias is shared among multiple MCVideo users, only one target MCVideo user can be target of the private call request. The MCVideo server resolves the associated MCVideo IDs of the functional alias and determines a MCVideo ID by help of criteria not defined here (e.g. location, time etc). This determination can include rejection of the call, if no suitable MCVideo ID is selected.

4a. If the MCVideo private call request contains only the functional alias instead of an MCVideo ID for the called party, the MCVideo server responds with a functional alias resolution response message that contains the resolved MCVideo ID back to MCVideo client 1.

4b. If the MCVideo server provided the corresponding MCVideo ID, the MCVideo client 1 sends a new MCVideo private call request containing the resolved MCVideo ID.

NOTE 3: MCVideo client 1 and MCVideo client 2 set up a security association for the media, if end-to-end encryption is used for this call.

5. The MCVideo server includes information that it communicates using MCVideo service, offers the same media types or a subset of the media types contained in the initial received request and sends an MCVideo private call request for the call to MCVideo client 2, including the MC service ID, and, if available the functional alias of the calling MCVideo user 1. If the called MCVideo user has registered to the MCVideo service with multiple MCVideo UEs and has designated the MCVideo UE for receiving the private calls, then the incoming MCVideo private call request is delivered only to the designated MCVideo UE.

6. MCVideo server may provide a progress indication to MCVideo client 1 to indicate progress in the call setup process.

NOTE 4: Step 6 can occur at any time following step 4b, and prior to step 7b.

7a. The MCVideo user is alerted. MCVideo client 2 sends an MCVideo ringing to the MCVideo server.

7b. The MCVideo server sends an MCVideo ringing to MCVideo client 1, indicating that MCVideo client 2 is being alerted. If the functional alias of the calling user is included, it is displayed.

8. MCVideo user 2 is notified and has accepted the call using manual commencement mode (i.e., has taken some action to accept via the user interface).

9. The MCVideo client 2 sends an MCVideo private call response to the MCVideo server. If MCVideo user 2 has not accepted the incoming call, the MCVideo client 2 sends a call failure response to the MCVideo server without adding reason for call failure.

10. The MCVideo server sends an MCVideo private call response to MCVideo client 1 indicating that MCVideo user 2 has accepted the call, including the accepted media parameters.

11. The media plane and transmission control for communication is established.

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

# A.3 MCVideo user profile configuration data

The general aspects of MC service user profile configuration data are specified in 3GPP TS 23.280 [6]. The MCVideo user profile configuration data is stored in the MCVideo user database. The MCVideo server obtains the MCVideo user profile configuration data from the MCVideo user database (MCVideo-2).

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCVideo UE | MCVideo Server | Configuration management server | MCVideo user database |
| Subclause 5.2.11 of 3GPP TS 23.280 [6] | MCVideo identity (MCVideo ID) | Y | Y | Y | Y |
| 3GPP TS 33.180 [14] | KMSUri for security domain of MCVideo ID (see NOTE 1) | Y | Y | Y | Y |
| Subclause 5.2.11 of 3GPP TS 23.280 [6] | Pre‑selected MCVideo user profile indication (see NOTE 2) | Y | Y | Y | Y |
| Subclause 5.2.11 of 3GPP TS 23.280 [6] | MCVideo user profile index | Y | Y | Y | Y |
| Subclause 5.2.11 of 3GPP TS 23.280 [6] | MCVideo 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 MCVideo 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 MCVideo emergency alert | Y | Y | Y | Y |
| [R-5.6.2.4.1-013] of 3GPP TS 22.280 [17] | Automatically trigger a MCVideo emergency communication after initiating the MCVideo 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 MCVideo emergency group call (see NOTE 5) | 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 [17] | Recipient for an emergency private MCVideo call (see NOTE 5) |  |  |  |  |
|  | > MCVideo ID | Y | Y | Y | Y |
| 3GPP TS 33.180 [19] | > KMSUri for security domain of MCVideo 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 MCVideo emergency alert | Y | Y | Y | Y |
| [R-5.1.2.1.2-004] of 3GPP TS 22.281 [3]  | Authorisation to modify the video settings of the transmitted video stream of another MCVideo User | Y | Y | Y | Y |
| [R-5.1.2.1.2-006] of 3GPP TS 22.281 [3] | Authorisation to renegotiate a codec during a video transmission. | Y | Y | Y | Y |
| [R-5.1.2.1.2-007] of 3GPP TS 22.281 [3] | Authorisation to remotely control the video capabilities or parameters for a camera on an MCVideo UE | Y | Y | Y | Y |
| [R-5.1.2.2.2-001] of 3GPP TS 22.281 [3] | Authorisation to remotely control the video capabilities or parameters of a remote MCVideo UE | Y | Y | Y | Y |
| [R-5.1.2.2.2-004] of 3GPP TS 22.281 [3] | Authorisation to receive and display the capabilities of a remote MCVideo UE | Y | Y | Y | Y |
| [R-5.1.3.1.2-004] of 3GPP TS 22.281 [3] | Authorisation to remotely activate another MCVideo User's camera | Y | Y | Y | Y |
| [R-5.1.9.2.2-002] of 3GPP TS 22.281 [3] | Authorisation to push a video to another MCVideo user . | Y | Y | Y | Y |
| [R-5.1.9.2.2-003] of 3GPP TS 22.281 [3] | Authorisation to enable and to disable the automatic sending of notification to a second MCVideo User that a video is being pushed to a third MCVideo User | Y | Y | Y | Y |
| [R-5.1.9.2.2-004] of 3GPP TS 22.281 [3] | List of MCVideo users for whom to receive notifications about video being pushed to them | Y | Y | Y | Y |
|  | > MCVideo IDs |  |  |  |  |
| [R-5.1.9.2.2-005] of 3GPP TS 22.281 [3] | List of specific video categories to receive (see NOTE 3) | Y | Y | Y | Y |
|  | > Video categories |  |  |  |  |
| [R-6.7.3-007] of 3GPP TS 22.280 [2] | List of user(s) who can be called in MCVideo private call |  |  |  |  |
|  | > MCVideo ID | Y | Y | Y | Y |
|  | > User info ID | Y | N | Y | Y |
|  | > ProSe discovery group ID | Y | N | Y | Y |
|  | > Presentation priority relative to other users and groups (see NOTE 4) | Y | Y | Y | Y |
| 3GPP TS 33.180 | > KMSUri for security domain of MCVideo ID (see NOTE 1) | Y | Y | Y | Y |
| [R-6.7.3-007] of 3GPP TS 22.280 [2] | Authorised to make a private video call towards users not included in "list of user(s) who can be called in MCVideo private call" | Y | Y | Y | Y |
| [R-5.1.10.2-002] of 3GPP TS 22.281 [3] | List of category tags |  |  |  |  |
|  | > Video category tag | Y | Y | Y | Y |
| [R-5.1.10.2-002] of 3GPP TS 22.281 [3] | Authorization to query MCVideo client | Y | Y | Y | Y |
| [R-5.1.3.2.2-004] [R-5.1.10.2-002] of 3GPP TS 22.281 [3] | List of category tags that authorized to query MCVideo client |  |  |  |  |
|  | > Video category tag for query | Y | Y | Y | Y |
| [R-5.1.3.2.2-004] [R-5.1.10.2-002] of 3GPP TS 22.281 [3] | List of geography areas that authorized to query MCVideo client |  |  |  |  |
|  | > Geography area to query | Y | Y | Y | Y |
| [R-5.1.1.1-015] of 3GPP TS 22.281 [3] | Authorization to perform video adaptation | 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 (NOTE 6) |  | 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 [6].NOTE 2: As specified in 3GPP TS 23.280 [6], for each MCVideo user's set of MCVideo user profiles, only one MCVideo user profile shall be indicated as being the pre‑selected MCVideo user profile.NOTE 3: If this list is blank then this implies that all video categories are acceptable for the MCVideo user.NOTE 4: The use of this parameter by the MCVideo UE is outside the scope of the present document.NOTE 5: 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 MCVideo user's currently selected group will be used.NOTE 6: The use of the parameter is left to implementation. |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCVideo UE | MCVideo Server | Configuration management server | MCVideo 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 MCVideo groups for use by an MCVideo user |  |  |  |  |
|  | > MCVideo 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 [14] | > KMSUri for security domain of group (see NOTE 4) | Y | Y | Y | Y |
|  | > Presentation priority of the group relative to other groups and users (see NOTE 2) | Y | Y | Y | Y |
| Subclause 5.2.5 of 3GPP TS 23.280 [6] | List of groups user implicitly affiliates to after MCVideo service authorization for the user |  |  |  |  |
|  | > MCVideo Group ID | Y | Y | Y | Y |
| [R-6.4.2-006] of 3GPP TS 22.280 [2] | Authorisation of an MCVideo user to request a list of which MCVideo 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 MCVideo users that MCVideo user is authorised to obtain presence of |  |  |  |  |
|  | > MCVideo 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 MCVideo UE of any user |  | Y | Y | Y |
| [R-6.13.4-001] of 3GPP TS 22.280 [2] | Authorisation for an MCVideo user to enable/disable an MCVideo 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 MCVideo 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 (Nc2) | N | Y | Y | Y |
| [R-6.4.6.1-001], [R-6.4.6.1-004] of 3GPP TS 22.280 [2] | List of MCVideo users whose selected groups are authorized to be remotely changed |  |  |  |  |
|  | > MCVideo ID | Y | Y | Y | Y |
| [R-5.2.3.2-002], [R-5.2.3.2-003] of 3GPP TS 22.281 [3] | Period after which MCVideo data on a MCVideo UE is to be deleted if no action is taken by an authorized MCVideo user | Y | Y | Y | Y |
| [R-5.2.6.2.2-004] of 3GPP TS 22.281 [3] | Maximum number of simultaneous video streams that can be received (see NOTE 3) | Y | Y | Y | Y |
| [R-5.2.6.2.2-005] of 3GPP TS 22.281 [3] | Authorisation to automatically receive video communications | Y | Y | Y | Y |
| [R-5.2.6.2.2-006] of 3GPP TS 22.281 [3] | Authorisation to automatically receive emergency video streams | Y | Y | Y | Y |
| [R-5.2.6.2.2-007] of 3GPP TS 22.281 [3] | Authorisation to automatically receive imminent peril video streams | Y | Y | Y | Y |
| [R-5.2.6.2.2-008] of 3GPP TS 22.281 [3] | List of MCVideo groups for which video can be automatically/mandatorily received |  |  |  |  |
|  | > MCVideo group IDs | Y | Y | Y | Y |
| [R-5.2.7.2-001] of 3GPP TS 22.281 [3] | Authorisation to request to override an active MCVideo transmission | Y | Y | Y | Y |
| [R-5.2.7.2-002] of 3GPP TS 22.281 [3] | Authorisation to select MCVideo transmissions that can be overridden | Y | Y | Y | Y |
| [R-5.2.7.2-004] of 3GPP TS 22.281 [3] | Authorisation to allow MCVideo private communications to override or not to override active MCVideo group communications | Y | Y | Y | Y |
| [R-5.2.8-005], [R-5.2.8-006] of 3GPP TS 22.281 [3] | Maximum length of time of a single video transmission  | Y | Y | Y | Y |
| [R-6.7.3-007a] of 3GPP TS 22.280 [2] | List of user(s) from which MCVideo private calls can be received |  |  |  |  |
|  | > MCVideo ID | Y | Y | Y | Y |
|  | > Presentation priority relative to other users and groups | Y | Y | Y | Y |
| 3GPP TS 33.180 [18] | > KMSUri for security domain of MCVideo ID | Y | 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 association between active functional alias(es) and MCVideo ID(s) |  | Y | Y | Y |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | List of partner MCVideo systems in which this profile is valid for use during migration |  |  |  |  |
| Subclause 5.2.9 of 3GPP TS 23.280 [16] | > Identity of partner MCVideo system | Y | N | Y | Y |
| Subclause 10.1.1 of 3GPP TS 23.280 [16] | > Access information for partner MCVideo system (see NOTE 5) | Y | N | 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 |  |  |  |  |
|  | > MCVideo 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 the 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 |  |  |  |  |
|  | > MCVideo Group ID | Y | Y | Y | Y |
|  | >> Manual de-affiliation is not allowed if the criteria for affiliation are met | Y | Y | Y | Y |
| [R-5.9a-012] of 3GPP TS 22.280 [2] | Authorised to take over a functional alias from another MCVideo user | N | Y | Y | Y |
|  | List of functional alias(es) of the MCVideo 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] | >> MCVideo server trigger criteria for activation (see NOTE 6) | N | Y | Y | Y |
| [R-5.9a-017], [R-5.9a-018] of 3GPP TS 22.280 [2] | >> MCVideo server trigger criteria for de-activation (see NOTE 6) | N | Y | Y | Y |
| [R-5.9a-019] of 3GPP TS 22.280 [16] | >> MCVideo client trigger criteria for activation (see NOTE 6) | Y | Y | Y | Y |
| [R-5.9a-019] of 3GPP TS 22.280 [16] | >> MCVideo client trigger criteria for de-activation (see NOTE 6) | Y | Y | Y | Y |
|  | >> Manual de-activation is not allowed if the criteria are met (see NOTE 6) | Y | Y | Y | Y |
| [R-5.10-001b] of 3GPP TS 22.280 [16] | Maximum number of successful simultaneous MCVideo service authorizations for this user (see NOTE 8) | N | Y | Y | Y |
| [R-5.9a-020] of 3GPP TS 22.280 [17] | List of functional aliases to which private calls are allowed when using a certain functional alias |  |  |  |  |
|  | > Used functional alias | Y | Y | Y | Y |
|  | >> List of functional aliases which can be called |  |  |  |  |
|  | >>> Functional alias | Y | Y | Y | Y |
| [R-5.9a-021] of 3GPP TS 22.280 [17] | List of functional aliases from which private calls can be received when using a certain functional alias |  |  |  |  |
|  | > Used functional alias | N | Y | Y | Y |
|  | >> List of functional aliases from which calls can be received |  |  |  |  |
|  | >>> Functional alias | 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 [6].NOTE 2: The use of this parameter by the MCVideo UE is outside the scope of the present document.NOTE 3: The parameter can be set to an unlimited number of simultaneous streams received that can be received.NOTE 4: 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 [6].NOTE 5: Access information for each partner MCVideo system comprises the list of information required for initial UE configuration to access an MCVideo system, as defined in table A.6-1 of 3GPP TS 23.280 [16]NOTE 6: The criteria may consist of conditions like the location of the MCVideo user, local time etc.NOTE 7: The criteria may consist of conditions such as the location of the MCVideo user or the active functional alias of the MCVideo user. NOTE 8: If configured, this value has precedence over the system level parameter "maximum number of successful simultaneous service authorisations" in table A.5-2. If not configured, the corresponding parameter from table A.5-2 shall be used. |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference | Parameter description | MCVideo UE | MCVideo Server | Configuration management server | MCVideo user database |
| [R-7.2-003], [R-7.6-004] of 3GPP TS 22.280 [2] | List of off-network MCVideo groups for use by an MCVideo user |  |  |  |  |
|  | > MCVideo Group IDs | 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 [14] | > KMSUri for security domain of group (see NOTE 3) | Y | N | Y | Y |
|  | > Presentation priority of the group relative to other groups and users (see NOTE 2) | 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 7.18.1 | 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 3GPP TS 23.280 [6].NOTE 2: The use of this parameter by the MCVideo UE is outside the scope of the present document. 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 of 3GPP TS 23.280 [6]. |