**3GPP TSG-SA WG6 Meeting #39-e S6-201429**

**e-meeting, 31st August – 8th September 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
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|  | **1** | **CR** |  | **rev** |  | **Current version:** | **0** |  |
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| *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:***  | Clarifications on the use of ProSe in off-network MCVideo communications |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | TEI17 |  | ***Date:*** | 2020-08-31 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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:*** | The description of off-network MCVideo communication procedures does not provide a clear definition about the use of ProSe capabilities, as specified in 3GPP TS 23.303. Also, ProSe related MCVideo user profile configuration data are missing. |
|  |  |
| ***Summary of change:*** | The description of off-network MCVideo communication procedures is enhanced by including a clause clarifying the use of ProSe capabilities. The MCVideo user profile configuration data is enhanced by including ProSe related data. |
|  |  |
| ***Consequences if not approved:*** | The implementation of the procedures for off-network MCVideo communications based on ProSe capabilities is not completely clear and ProSe related data within the MCVideo user profile configuration data will remain missing. |
|  |  |
| ***Clauses affected:*** | 7.2.3.3, (new) 7.x, 7.1.3.1, 7.3.3.1, 7.4.3.1, 7.5.3.1, 7.7.2.1, 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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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

#### 7.2.3.3 Use of ProSe for off-network private communications

The use of ProSe capabilities for off-network private communications is described in clause 7.x.

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

## 7.x Use of ProSe capabilities in off-network MCVideo communications

### 7.x.1 General

When an MCVideo user using a ProSe-enabled UE wants to communicate with a specific MCVideo group or MCVideo user using ProSe capabilities, the MCVideo client enables the use of the ProSe layer procedures for public safety, as specified in 3GPP TS 23.303 [7].

For an off-network MCVideo group communication, the MCVideo client obtains configuration data such as the user info ID of the calling MCVideo user and the ProSe Group IP multicast address and ProSe Layer-2 Group ID associated to the target MCVideo group (as described in clause 8.1.3.2 in 3GPP TS 23.280 [6]), and provides it to the ProSe layer. The ProSe Layer-2 Group ID of the target MCVideo group may be used by the ProSe layer as the target group info and the discovery group ID (defined in 3GPP TS 23.303 [7]).

Prior to initiating an off-network MCVideo group communication, a group member discovery procedure may be initiated to identify whether other members of the target MCVideo group are in the proximity of the calling MCVideo user, as described in the ProSe direct discovery for public safety use procedure in 3GPP TS 23.303 [7]. The off-network MCVideo group communication using the ProSe capability is based on the one-to-many ProSe direct communication procedure for public safety use described in 3GPP TS 23.303 [7].

For an off-network one-to-one MCVideo communication, the MCVideo client obtains configuration data such as the ProSe discovery group ID and user info ID of the target MCVideo user from the "List of user(s) who can be called in MCVideo private call" in the MCVideo user profile and requests the IP address of the MCVideo UE associated with the target MCVideo user from the ProSe layer.

The MCVideo client enables the ProSe layer to determine the IP address for the communication with the target MCVideo UE by providing the ProSe discovery group ID and user info ID (as defined in 3GPP TS 23.303 [7]) associated to the target MCVideo user. This may trigger the ProSe direct discovery for public safety use procedure to identify whether the target MCVideo user is in the proximity of the calling MCVideo user. The user info ID of the target MCVideo user is used by the ProSe layer as the target info (as defined in 3GPP TS 23.303 [7]).

The ProSe layer can then provide the IP address related to the target MCVideo user to the MCVideo client to initiate the off-network one-to-one MCVideo communication based on the one-to-one ProSe direct communication procedure described in 3GPP TS 23.303 [7].

### 7.x.2 Procedures

The off-network MCVideo communication procedures using the ProSe capabilities are described within the corresponding clauses of each MCVideo capability, e.g. group communication procedures for off-network are described in clause 7.1.3 and private communication procedures for off-network are described in clause 7.2.3.

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

#### 7.1.3.1 General

This subclause contains procedures for group communications directly between multiple MCVideo clients without involving the network to provide associated functions. Off-network MCVideo communications are based on ProSe capabilities as described in clause 7.x.

The group communication setup is described in subclause 7.1.3.3 and two variations of joining an existing communication group communication are described, the passive variant in subclause 7.1.3.4 and the active variant in subclause 7.1.3.5.

NOTE: When the MCVideo client receives a message that is not addressed to either its MCVideo ID or to any MCVideo group of which the MCVideo client is an affiliated group member, the MCVideo client ignores the message.

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

#### 7.3.3.1 General

A MCVideo client pulls a video from another MCVideo client directly, i.e. without involving the network.

Off-network video pull communications are based on ProSe capabilities as described in clause 7.x.

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

#### 7.4.3.1 General

A MCVideo user triggers its MCVideo client to push a video to another MCVideo client.

A MCVideo user triggers its MCVideo client to trigger a remote video push, which requests a second MCVideo client to push a video to a third MCVideo client or to a MCVideo group.

Off-network remote video push works without involving the network.

Off-network video push communications are based on ProSe capabilities as described in clause 7.x.

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

#### 7.5.3.1 General

Each MCVideo client within a MCVideo group needs to share its video capabilities with other members of the MCVideo group.

Video capability sharing can be done by sending information periodically as described in subclause 7.5.3.3 or on request as described in subclause 7.5.3.4.

The receiving MCVideo clients need to store and update the video capability information from the sharing MCVideo client.

Off-network video capability information sharing is based on ProSe capabilities as described in clause 7.x.

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

#### 7.7.2.1 General

The procedure is for providing transmission control to MCVideo UE in an off-network case. Transmission control is performed by using transmission control information flows between the transmission control participant and the transmission control arbitrator. The transmission control arbitrator is a member MCVideo UE of the MCVideo group where the transmission rules are applied.

Off-network transmission control is based on ProSe capabilities as described in clause 7.x.

Transmission control in off-network can be performed in two ways:

- Single arbitrator: transmission participants rely on a single participant designated as transmission arbitrator for the arbitraton of transmission requests.

- Self arbitration: each transmsission participant arbitrates its own transmission based on its view of the topology.

Both of the approaches, as appropriate for the deployment model, can be adopted for MCVideo group using a configurable parameter (as defined in Annex A.4).

In the single arbitrator approach, one MCVideo client assumes the responsibility for arbitration of transmission requests for all group members within range. All requests for transmission are directed to the arbitrator, and the arbitrator checks the configured limits on the simultaneous transmissions, and grants or denies the request. If an MCVideo client is out of range of the current arbitrator, the MCVideo client is allowed to transmit and also become a transmission arbitrator. If there is insufficient capacity to carry an extra transmission i.e. the configured limit for simultaneous transmissions is reached, the MCVideo client may request that an existing transmitting MCVideo client is pre-empted; the pre-emption request is sent to the transmission arbitrator.

In the self arbitration approach, each MCVideo client decides for itself whether there is sufficient capacity to carry the transmission. If it determines that there is insufficient capacity i.e. the configured limit for simultaneous transmissions is reached, and from its perspective another transmitting MCVideo client has a lower priority, the requesting MCVideo client may send an override request directly to this other transmitting MCVideo client, which will either accept the override request and give way, or deny the override request.

In both the single arbitrator approach and the self arbitration approach, if there is insufficient capacity to carry the communication i.e. the configured limit on the simultaneous transmissions is reached, the MCVideo client may report this to the MCVideo user. The MCVideo user may decide to transmit anyway, and instruct the MCVideo client to proceed with the transmission.

NOTE: The ProSe function within the MCVideo client could determine that there is insufficient capacity to carry an MCVideo call requested by the MCVideo client, however interactions between the MCVideo client and the ProSe function are outside the scope of the present document.

Further subclauses apply to one or both of the single arbitrator approach and the self arbitration approach. Applicability is explicitly indicated in each of the relevant subclauses.

\* \* \* 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 |
| 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. |

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.x.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]. |