**3GPP TSG-CT WG1 Meeting #136-eC1-223536**

**E-meeting, 12-20 May 2022 (*was C1-22yyyy*)**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **24.281** | **CR** | **0175** | **rev** | **-** | **Current version:** | **17.6.0** |  |
|  |
| *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:***  | Clarification on video QCI setting requested by ETSI Plugtest |
|  |  |
| ***Source to WG:*** | AT&T |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | MCProtoc17 |  | ***Date:*** | May 3, 2022 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | The 6th ETSI MCX Plugtest Report version 1.0.0 section 10.1.3 states: ”Which QCI to be used and/or whether different MBMS bearers are to be allocated in MCVideo for audio and video streams vs. content of the SDP not specifically stated in 3GPP TS 24.281.” This comment seems to amount to a request for clarifications / explanations on the setting of the QCI for MCVideo and on the use of same or different MBMS bearer(s) for the video and audio. This CR provides missing information. |
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| ***Summary of change:*** | Add the explantions to clause 4.3. |
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| ***Consequences if not approved:*** | Could lead to implementation errors. |
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| ***Clauses affected:*** | 4.3 |
|  |  |
|  | **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 \* \* \* \* \* \*

## 4.3 MCVideo media

A session that contains MCVideo media is either a full-duplex session or a half-duplex session with an SDP media component containing an MCVideo media type with a codec suitable that exists between an MCVideo client and an MCVideo server.

If the MCVideo media session is a half-duplex session, it additionally contains a media component that describes the characteristics of the media-transmission control entity.

In many instances, the MCVideo media has the video component and the audio component generated at the source as one unified (and usually video-audio synchronized) stream, in which case it makes sense to also transport the MCVideo packets as one multi-media stream and indicate the absence of a separate audio component, as described in 3GPP TS 24.581 [5], clause 9.3.3.3. The QoS information associated with the transmission (QCI and SDP) is set at the operator’s discretion, but the used QoS parameters need to have values that, on delivery to the UE, accommodate the desired QoS for reception. 3GPP TS 23.203 [69] has standardized the QCI value 67 for MCVideo transmissions, to be used in case a better suited value cannot be found.

NOTE 1: The intended use of the QCI is not for the QoS of the MBMS bearers, but for public safety UEs which receive the MBS Bearer Announcement message and use the QoS parameters associated with the QCI (e.g., Priority level, Packet error loss rate) for retransmission of packets, when acting as UE-to-UE relays.

There may be cases where the video component and audio component are streamed separately. In this situation, the presence of the separate audio stream is indicated as described in 3GPP TS 24.581 [5], clause 9.3.3.3, and both streams are carried over the same MBMS bearer.

NOTE 2: At any time, application‑level signalling supports the association of at most one MBMS bearer to an MCVideo group. That means that the used MBMS bearer has to be able to support the transport of both the video and the audio media.

NOTE 3: An MCVideo client may handle several MCVideo groups at a time, and those MCVideo groups may each use its own MBMS bearer or may share an MBMS bearer with another MCVideo group. Since there is only one SDP record (the one in the most recently received MBMS Bearer Announcement message containing an SDP record, as described in clause 16.3.2.1) associated with an MCVideo client at a given time, all used streams have to be identified by the line number of an "m=" line within the SDP record.

\* \* \* \* \* END OF CHANGES \* \* \* \* \*