**3GPP TSG-CT WG1 Meeting #149C1-243824**

**Hyderabad, India, 27-31 May 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** | **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 |  |

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| ***Title:*** | Clarification on MCVideo gateway UE hosting MCVideo clients | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | BDBOS, Sepura Ltd | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCGWUE | | | | |  | ***Date:*** | | | 2024-05-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | Clarifications on MCVideo gateway UE hosting MCVideo clients | | | | | | | | |
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| ***Summary of change:*** | | Modification of the definition of a non-3gpp device under clause 5.6.1 and clarification of the behavior of MCVideo clients residing on the MC gateway UE under clause 5.6.2. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect definition of non-3GPP device under the note in cl. 5.6.1. Uncertainty about the behavior of MCVideo clients residing on the MC gateway UE. | | | | | | | | |
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| ***Clauses affected:*** | | 5.6.1, 5.6.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 should be implemented in TS 24.281 after the implementation of the agreed CR# 255 in tdoc C1-242840. | | | | | | | | |
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| ***This CR's revision history:*** | | C1-243162 | | | | | | | | |

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

### 5.6.1 General

An MCVideo gateway UE enables MCVideo service access for a MCVideo user utilizing non-3GPP device connected to the MCVideo gateway UE via non-3GPP access network.

NOTE: In this context a non-3GPP device includes a 3GPP device temporarily unable to use 3GPP access.

An MCVideo gateway UE provides the following MCVideo gateway functions:- Relay of signaling, media and transmission control between an MCVideo client in the non-3GPP device and MCVideo servers; and

- Access to a MCVideo system with required quality of service using 3GPP network.

### 5.6.2 Functional connectivity models

The following figures give an overview of the connectivity between the different functional entities when using a MCVideo gateway. One MCVideo client can only utilize with one MCVideo gateway UE at the same time.

NOTE: MC clients for other service types (e.g. MCPTT or MCData) can utilize with the MC gateway UE supporting the corresponding service types. MC gateway UEs for different service types can be deployed in the same UE.

Figure 5.6.2-1 shows the scenario when the MCVideo client resides in the MCVideo gateway UE. Handling of the MCVideo service by the MCVideo client on the MCVideo gateway UE follows the procedures defined in this document for MCVideo clients hosted on regular MCVideo UEs. How the non-3GPP device interacts with the MCVideo client over a non‑3GPP access technology is not part of the current specification.



Figure 5.6.2-1: Relationship between non-3GPP device, MCVideo gateway UE and the MCVideo server with the MCVideo client located in the MCVideo gateway UE

Figure 5.6.2-2 shows the scenario when the MCVideo client resides in the non-3GPP device that uses a non‑3GPP access technology to access the MCVideo service. In this case the MCVideo gateway UE will relay the signalling between the MCVideo client and the MCVideo System as well as forward the media plane.



Figure 5.6.2-2: Relationship between non-3GPP device, MCVideo gateway UE and the MCVideo server with the MCVideo client located in the non-3GPP device