**3GPP TSG-CT WG1 Meeting #149C1-243823**

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

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0417** | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | Clarification on MCData gateway UE hosting MCData clients | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | BDBOS, Sepura Ltd | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCGWUE | | | | |  | ***Date:*** | | | 2024-05-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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 MCData gateway UE hosting MCData clients | | | | | | | | |
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| ***Summary of change:*** | | Modification of the definition of a non-3gpp device under clause 5.5.1 and clarification of the behavior of MCData clients residing on the MC gateway UE under clause 5.5.2. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect definition of non-3GPP device under the note in cl. 5.5.1. Uncertainty about the behavior of MCData clients residing on the MC gateway UE. | | | | | | | | |
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| ***Clauses affected:*** | | 5.5.1, 5.5.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 24.282 after the implementation of the agreed CR# 404 in tdoc C1-242841. | | | | | | | | |
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| ***This CR's revision history:*** | | C1-243161 | | | | | | | | |

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

### 5.5.1 General

An MCData gateway UE enables MCData service access for a MCData user utilizing non-3GPP device connected to the MCData 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 MCData gateway UE provides the following MCData gateway functions:

- Relay of signaling between and media an MCData client in the non-3GPP device and MCData servers; and

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

### 5.5.2 Functional connectivity models

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

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

Figure 5.5.2-1 shows the scenario when the MCData client resides in the MCData gateway UE. Handling of the MCData service by the MCData client on the MCData gateway UE follows the procedures defined in this document for MCData clients hosted on regular MCData UEs. How the non-3GPP device interacts with the MCData client over a non‑3GPP access technology is not part of the current specification.



Figure 5.5.2-1: Relationship between non-3GPP device, MCData gateway UE and the MCData server with the MCData client located in the MCData gateway UE

Figure 5.5.2-2 shows the scenario when the MCData client resides in the non-3GPP device that uses a non‑3GPP access technology to access the MCData service. In this case the MCData gateway UE will relay the signalling between the MCData client and the MCData System as well as forward the media plane.



Figure 5.5.2-2: Relationship between non-3GPP device, MCData gateway UE and the MCData server with the MCData client located in the non-3GPP device

\* \* \* \* End of change \* \* \* \*