**3GPP TSG-CT WG1 Meeting #149C1-243822**

**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*** *on using this form: comprehensive instructions can be found at  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 MCPTT gateway UE hosting MCPTT 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. | | | | | | | | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Clarifications on MCPTT gateway UE hosting MCPTT 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 MCPTT clients residing on the MC gateway UE under clause 5.6.2. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect defintion of non-3GPP device under the note in cl. 5.6.1. Uncertainity about the behavior of MCPTT 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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR should be implemented in TS 24.379 after the implementation of the agreed CR# 960 in tdoc C1-242839. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | C1-243159 | | | | | | | | |

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

## 5.6 MCPTT gateway UE

### 5.6.1 General

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

- Relay of signaling, media and floor control between an MCPTT client in the non-3GPP device and MCPTT servers; and

- Access to a MCPTT 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 MCPTT gateway. One MCPTT client can only utilize one MCPTT gateway UE at the same time.

NOTE: MC clients for other service types (e.g. MCVideo or MCData) 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 5.6.2-1 shows the scenario when the MCPTT client resides in the MCPTT gateway UE. Handling of the MCPTT service by the MCPTT client on the MCPTT gateway UE follows the procedures defined in this document for MCPTT clients hosted on regular MCPTT UEs. How the non-3GPP device interacts with the MCPTT client over a non‑3GPP access technology is not part of the current specification.





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

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



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

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