**3GPP TSG-CT WG1 Meeting #128-eC1-210XXX**

**Electronic meeting, 25 February – 5 March 2021 *was C1-210966***

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.502** | **CR** | **0186** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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:*** | MMTEL Voice and MMTEL Video in non-3GPP | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17-non3GPP | | | | |  | ***Date:*** | | | 2021-02-18 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to the following text quoted from M 2.1.1 of TS 24.173 shows, the MMTEL layer may provide the “handover of ongoing MMTEL voice call from non-3GPP access” or “handover of ongoing MMTEL video call from non-3GPP access” relevant information to NAS layer. The ongoing MMTEL voice/video call can be handover from non-3GPP access, that also means the MMTEL voice/video call was performed over non-3GPP access. However there is no corresponding establishment cause for MMTEL voice call and MMTEL video call over non-3GPP access | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the establishment causes for MMTEL voice call and MMTEL video call over non-3GPP access | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Lack of establishment causes for MMTEL voice call and MMTEL video call over non-3GPP access | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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's revision history:*** | |  | | | | | | | | |

\*\*\*\*\* start of change\*\*\*\*\*

### 9.2.2 Establishment cause for non-3GPP access

The purpose of the Establishment cause for non-3GPP access information element is to provide the establishment cause for non-3GPP access.

The Establishment cause for non-3GPP access information element is coded as shown in figures 9.2.2-1 and table 9.2.2-1.

The Establishment cause for non-3GPP access is a type 3 information element with length of 2 octets.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Establishment cause for non-3GPP access IEI | | | | | | | | octet 1 |
| 0  Spare | 0  Spare | 0  Spare | 0  Spare | N3AEC | | | | octet 2 |

Figure 9.2.2-1: Establishment cause for non-3GPP access information element

Table 9.2.2-1: Establishment cause for non-3GPP access information element

|  |
| --- |
| Establishment cause for non-3GPP access (N3AEC) (octet 2 bits 1 to 4)  Bits  4 3 2 1  0 0 0 0 emergency  0 0 0 1 highPriorityAccess  0 0 1 1 mo-Signalling  0 1 0 0 mo-Data  1 0 0 0 mps-PriorityAccess  1 0 0 1 mcs-PriorityAccess  1 0 1 0 mo-SMS  1 0 1 1 mo-VoiceCall  1 1 0 0 mo-VideoCall  All other values are spare values. The receiving entity shall treat a spare value as 0100, "mo-Data". |

\*\*\*\*\* end of change\*\*\*\*\*