**3GPP TSG-CT WG1 Meeting #146C1-240abc**

**Online, 22– 26 January 2024 was C1-240277**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **24.380** | **CR** | **0368** | **rev** | **1** | **Current version:** | **18.4.0** |  |
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| *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:***  | Specify invalid bit combinations in Floor Indicator Field value |
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| ***Source to WG:*** | Motorola Solutions UK Ltd. |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | enh4MCPTT |  | ***Date:*** |  |
|  |  |  |  |  |
| ***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 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-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:*** | The reason for this change is [Observation #7 mentioned in in ETSI MCX Plugtests#8 event Wiki](https://wiki.plugtests.net/8th-MCX-Plugtests/index.php?title=Observations).The specification mentions thatthere can be more than one bit set to 1 at the same time in the Floor Indicator Field value. This could cause interoperability issues between implementations in scenarios like where a normal call is upgraded to an emergency call. One implementation may set only the Emergency Call bit (D). Another implementation may set both the the Emergency Call bit (D) and the Normal Call bit (A). |
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| ***Summary of change:*** | Specified invalid bit combinations in Floor Indicator Field value. |
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| ***Consequences if not approved:*** | This could cause interoperability issues between implementations as mentioned above. |
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| ***Clauses affected:*** | 8.2.3.15 |
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|  | **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:*** | None |
|  |  |
| ***This CR's revision history:*** | C1-240277 |

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| \* \* \* First Change \* \* \* |

#### 8.2.3.15 Floor Indicator field

The Floor Indicator contains additional information about a received floor control message.

Table 8.2.3.15-1 describes the coding of the Floor Indicator field.

Table 8.2.3.15-1: Floor Indicator field coding

0 1 2 3

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1

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|Floor Indicator|Floor Indicator|Floor Indicator value |

|field ID value |Length value | |

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The <Floor Indicator field ID> value is a binary value and is set according to table 8.2.3.1-2.

The <Floor Indicator Length> value is a binary value and has the value '2'.

The <Floor Indicator> value is a 16 bit bit-map named as shown in table 8.2.3.15-2:

Table 8.2.3.15-2: Floor Indicator bit marking

+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+

|A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|

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When set to 1, the bit has the following meaning:

A = Normal call

B = Broadcast group call

C = System call

D = Emergency call

E = Imminent peril call

F = Queueing supported

G = Dual floor

H = Temporary group call (NOTE 2)

I = Multi-talker

NOTE 1: The indicators A, B, C, D and E are only informative. There are no procedures specified for the A, B, C, D and E indicators in this release of the present document but they can be used to provide information to the user about type of call.

NOTE 2: An MCPTT group call is a temporary group session when the <on-network-temporary> element is present in the <list-service> element as specified in 3GPP TS 24.481 [12].

Bits J to P are reserved for future use and are set to 0.

To provide information to the user about the type of call, the corresponding bit that indicates the type of call is only set. There can be more than one bit set to 1 at the same time if the call supports other functionalities such as Queueing supported, Dual floor and Multi-talker.

The local policy in the floor control server decides which combinations are possible and the priority of the indications.

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| \* \* \* End of Changes \* \* \* |