**3GPP TSG-CT WG1 Meeting #125-eC1-204xxx**

**Electronic meeting, 20-28 August 2020 was C1-204818**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.380** | **CR** | **0246** | **rev** | **1** | **Current version:** | **13.11.0** |  |
|  | | | | | | | | |
| *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:*** | Corrections to timers-events of On-Network Floor Control procedures | | | | | | | | | |
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| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCPTT-CT | | | | |  | ***Date:*** | | | 2020-07-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-13 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Timer T132 should only be running in the O:Queued state after receiving the grant message in this state, however it is not stopped when leaving the O:queued state  Timer T103 should be running in the O:Queued state after receiving the taken message/RTP media in this state, however it is not started on receiving taken message and stopped when leaving the O:queued state after receiving grant message  The C100 counter is incorrectly mentioned as C10 in step 3) of subclause 6.2.4.9.6 | | | | | | | | |
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| ***Summary of change:*** | | 6.2.4.9.6: Stop Timer T132 when leaving O: Queued state and entering U: pending Release;  6.2.4.9.4: Stop Timer T103 when Grant message is received during O: Queued state;  6.2.4.9.3: Start the T103 timer on receiving the taken message.  6.2.4.9.6: The counter is corrected from C10 to C100 | | | | | | | | |
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| ***Consequences if not approved:*** | | Creates confusion as to what the proper behavior is. Why are the timers T132 and T103 expiring in other states? Should it? Or was the protocol not completed? | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.4.9.3, 6.2.4.9.4 and 6.2.4.9.6 | | | | | | | | |
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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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 1: As per the feedback the counter C100 is also corrected in this CR. | | | | | | | | |

\* \* \* \* \* \* FIRST CHANGE \* \* \* \* \* \* \*

##### 6.2.4.9.3 Receive Floor Taken message (R: Floor Taken)

Upon receiving a Floor Taken message, the floor participant:

1. may provide a floor taken notification to the MCPTT user;

2. if the first bit in the subtype of the Floor Taken message is set to '1' (Acknowledgment is required) as described in subclause 8.3.2, shall send a Floor Ack message. The Floor Ack message:

a. shall include the Message Type field set to '2' (Floor Taken); and

b. shall include the Source field set to '0' (the floor participant is the source);

3. should start the optional timer T103 (End of RTP media); and

4. shall remain in the 'U: queued' state.

\* \* \* \* \* \* NEXT CHANGE \* \* \* \* \* \* \*

##### 6.2.4.9.4 Receive Floor Granted message (R: Floor Granted)

Upon receiving a Floor Granted message, the floor participant:

1. if the first bit in the subtype of the Floor Granted message is set to '1' (Acknowledgment is required) as described in subclause 8.3.2, shall send a Floor Ack message. The Floor Ack message:

a. shall include the Message Type field set to '1' (Floor Granted); and

b. shall include the Source field set to '0' (the floor participant is the source);

2. shall provide a floor granted notification to the MCPTT user;

3. if the Floor Indicator field is included and the B-bit is set to '1' (Broadcast group call), shall provide a notification to the user indicating the type of call;

4. shall stop timer T104 (Floor Queue Position Request), if running;

5. shall start timer T132 (Queued granted user action);

6. shall stop the optional timer T103 (End of RTP media), if running, for the participant for which End of RTP media timer is associated and Floor taken is received previously without Floor Indicator field with the G-bit set to '1' (Dual floor);

7. shall indicate the user that the floor is granted; and

8. shall remain in the 'U: queued' state.

\* \* \* \* \* \* NEXT CHANGE \* \* \* \* \* \* \*

##### 6.2.4.9.6 Send Floor Release message (PTT button released)

Upon receiving an indication from the MCPTT user to release the queued floor request, the floor participant:

1. shall send a Floor Release message: The Floor Release message:

a. may include the Floor Indicator field changing a broadcast group call to a normal call;

2. may set the first bit in the subtype of the Floor Release message to '1' (Acknowledgment is required) as described in subclause 8.3.2;

NOTE: It is an implementation option to handle the receipt of the Floor Ack message and what action to take if the Floor Ack message is not received.

3. shall start timer T100 (Floor Release) and initialise counter C100 (Floor Release) to 1;

4. shall stop timer T104 (Floor Queue Position Request), if running;

5. shall stop timer T132 (queued request granted user action); and

6. shall enter the 'U: pending Release' state.

\* \* \* \* \* \* \* END CHANGES \* \* \* \* \* \* \*