**3GPP TSG-CT WG1 Meeting #125-eC1-20wxyz**

**Electronic meeting, 20-28 August 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **24.379** | **CR** | **CR#** | **rev** | **-** | **Current version:** | **16.4.0** |  |
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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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Emergency Alert – Designated Group |
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| ***Source to WG:*** | FirstNet |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | MCProtoc17 |  | ***Date:*** | 16 April 2020 |
|  |  |  |  |  |
| ***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 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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | In TS 22.280, there is this requirement: [R-5.6.2.4.1-012] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure which MCX Service Group (i.e., user's selected group or dedicated MCX Service Emergency Group) or MCX User (e.g., dispatcher) is used for the MCX Service Emergency Alert by an MCX User. Further, TS 23.280 specifies in subclause 10.10.1.2.1 that:"2. MC service client 1 requests the MC service server to send an MC service emergency alert request to the MC service group designated as the MC service emergency group."Currently, TS 24.379 subclause 12.1.1.1 does not check the MCPTT user profile to determine if the group indicated by the MCPTT user to declare an emergency alert matches the designated emergency alert group, if one has been provisioned in the user's profile. |
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| ***Summary of change:*** | Added text so that the MCPTT client checks whether a group has been designated for the user for emergency alert indications. If a group has been designated, then the MCPTT client uses the designated group for the emergency alert.An editorial error was found in subclause 6.3.3.1.16 involving a double word. The extra word has been removed.Capitalisation of words was corrected in two of the NOTEs in subclause 12.1.1.1. |
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| ***Consequences if not approved:*** | Requirement [R-5.6.2.4.1-012] of TS 22.280 and Stage 2 text in TS 23.280 will not be met and the MCPTT system will not operate as required. |
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| ***Clauses affected:*** | 6.3.3.1.16, 12.1.1.1 |
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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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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

##### 6.3.3.1.16 Handling the expiry of timer TNG2 (in-progress emergency group call timer)

Upon expiry of timer TNG2 (in-progress emergency group call timer) for an MCPTT group, the controlling MCPTT function:

1) shall set the in-progress emergency state of the group to a value of "false";

2) shall, if an MCPTT group call or MCPTT group session is in progress on the indicated group, for each of the participating members:

a) generate a SIP re-INVITE request as specified in subclause 6.3.3.1.10; and

b) send the SIP re-INVITE request towards the MCPTT client according to 3GPP TS 24.229 [4]; and

3) shall for each affiliated but non-participating member of the group:

a) generate a SIP MESSAGE request according to subclause 6.3.3.1.11 and include in the application/vnd.3gpp.mcptt-info+xml MIME body an <emergency-ind> element set to a value of "false";

b) shall include in the P-Asserted-Identity header field the public service identity of the controlling MCPTT function;

c) include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcptt" (coded as specified in 3GPP TS 24.229 [4]), in a P-Asserted-Service-Id header field according to IETF RFC 6050 [9]; and

d) send the SIP MESSAGE request towards the MCPTT client according to rules and procedures of 3GPP TS 24.229 [4].

Upon receiving a SIP 200 (OK) response to a re-SIP INVITE request the controlling MCPTT function shall interact with the media plane as specified in 3GPP TS 24.380 [5].

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

#### 12.1.1.1 Emergency alert origination

Upon receiving a request from the MCPTT user to send an MCPTT emergency alert to the indicated MCPTT group and this is an authorised request for an MCPTT emergency alert as determined by subclause 6.2.8.1.6, the MCPTT client shall generate a SIP MESSAGE request in accordance with 3GPP TS 24.229 [4] and IETF RFC 3428 [33] with the clarifications given below.

NOTE 1: This SIP MESSAGE request is assumed to be sent out-of-dialog.

The MCPTT client:

1) shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcptt" (coded as specified in 3GPP TS 24.229 [4]), in a P-Preferred-Service header field according to IETF RFC 6050 [9] in the SIP MESSAGE request;

2) shall include an Accept-Contact header field with the g.3gpp.icsi-ref media feature tag containing the value of "urn:urn-7:3gpp-service.ims.icsi.mcptt" along with the "require" and "explicit" header field parameters according to IETF RFC 3841 [6];

3) may include a P-Preferred-Identity header field in the SIP MESSAGE request containing a public user identity as specified in 3GPP TS 24.229 [4];

4) shall include an application/vnd.3gpp.mcptt-info+xml MIME body as specified in clause F.1 with the <mcpttinfo> element containing the <mcptt-Params> element with:

a) the <mcptt-request-uri> element set to:

i) if the <ID> element contained in the <Node> element contained in the <EmergencyAlert> element of the MCPTT user profile exists and contains an MCPTT group ID, shall determine that the MCPTT group to be used for the emergency alert is the MCPTT group identified in the <ID> element; otherwise, shall determine that the group identity indicated by the MCPTT user shall be used for the emergency alert;

b) the <alert-ind> element set to a value of "true";

c) the <mcptt-client-id> element set to the MCPTT client ID of the originating MCPTT client; and

d) if the MCPTT client needs to include an active functional alias in the SIP MESSAGE request, the <functional-alias-URI> set to the URI of the used functional alias;

NOTE 2: The MCPTT client learns the functional aliases that are activated for an MCPTT ID from procedures specified in subclause 9A.2.1.3.

5) shall include in the SIP MESSAGE request the specific location information for MCPTT emergency alert as specified in subclause 6.2.9.1;

6) shall set the MCPTT emergency state if not already set;

7) shall set the MCPTT emergency alert state to "MEA 2: emergency-alert-confirm-pending";

8) shall set the Request-URI to the public service identity identifying the participating MCPTT function serving the group identity; and

9) shall send the SIP MESSAGE request according to rules and procedures of 3GPP TS 24.229 [4].

On receiving a SIP 2xx response to the SIP MESSAGE request, the MCPTT client shall set the MCPTT emergency alert state to "MEA 3: emergency-alert-initiated".

On receiving a SIP 4xx response a SIP 5xx response or a SIP 6xx response to the SIP MESSAGE request, the MCPTT client shall set the MCPTT emergency alert state to "MEA 1: no-alert".

NOTE 3: The MCPTT emergency state is left set in this case as the MCPTT user presumably is in the best position to determine whether or not they are in a life-threatening condition. The assumption is that the MCPTT user can clear the MCPTT emergency state manually if need be.

NOTE 4: Based on implementation the MCPTT client can subsequently automatically originate an MCPTT emergency group call as specified in subclause 10.1.1.2.

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