**3GPP TSG-CT WG1 Meeting #129-eC1-21xxxx**

**Electronic meeting, 19-23 April 2021 *(was C1-212065*)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0215** | **rev** | **-** | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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 | **x** |

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| ***Title:*** | Correction to authorization and handling of emergency alert initiation | | | | | | | | | |
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| ***Source to WG:*** | AT&T | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | 08-04-2021 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17)* | |
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| ***Reason for change:*** | | The procedure in 6.2.8.1.6 (which is invoked from several places) misses testing a condition necessary for emergency alert origination. The text in procedure 16.2.1.1 (which invokes 6.2.8.1.6) is somewhat unclear on a failed authorization. The problem exists only in Rel-17, due to previous changes and additions. | | | | | | | | |
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| ***Summary of change:*** | | Add checking of the additional condition in 6.2.8.1.6 and clarify processing of a failed authorization to initiate emergency alert in 16.2.1.1. | | | | | | | | |
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| ***Consequences if not approved:*** | | The specified emergency related functionalities may not work properly, and harmonization across the services may not be possible. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.8.1.6, 16.2.1.1 | | | | | | | | |
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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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

##### 6.2.8.1.6 Determining authorisation for initiating or cancelling an MCData emergency alert

If the MCData client receives a request from the MCData user to send an MCData emergency alert and:

1) if the <allow-activate-emergency-alert> element of the <actions> element of a <rule> element of the <ruleset> element of the MCData user profile document identified by the MCData ID of the calling MCData user (see the MCData user profile document in 3GPP TS 24.484 [12]) is set to a value of "true" and the group document (see 3GPP TS 24.481 [11]) of the MCData group indicated by the MCData user does not contain a <list-service> element that contains a <preconfigured-group-use-only> element set to the value "true"; and

2) if the "entry-info" attribute of the <entry> element of the <GroupEmergencyAlert> element contained within the <Common> element of the <mcdata-user-profile> element within MCData user profile document (see the MCData user profile document in 3GPP TS 24.484 [12]) is set to a value of:

a) "DedicatedGroup", and if the <uri-entry> element of the <entry> element of the <GroupEmergencyAlert> element of the <Common> element of the <mcdata-user-profile> element within MCData user profile document (see the MCData user profile document in 3GPP TS 24.484 [12]) contains the MCData group identity of the MCData group targeted by the calling MCData user; or

b) "UseCurrentlySelectedGroup" and the <mcdata-allow-emergency-alert> element of the <actions> element of a <rule> element of the <ruleset> element of the <list-service> element of the group document identified by the MCData group identity targeted for the emergency alert is set to a value of "true" as specified in 3GPP TS 24.481 [11];

then the MCData emergency alert request shall be considered to be an authorised request for an MCData emergency alert. In all other cases, it shall be considered to be an unauthorised request for originating an MCData emergency alert.

If the MCData client receives a request from the MCData user to cancel an MCData emergency alert to an MCData group, and if the <allow-cancel-emergency-alert> element of the <actions> element of a <rule> element of the <ruleset> element of the MCData user profile document identified by the MCData ID of the calling MCData user (see the MCData user profile document in 3GPP TS 24.484 [12]) is set to a value of "true", then the MCData emergency alert cancellation request shall be considered to be an authorised request to cancel an MCData emergency alert. In all other cases, it shall be considered to be an unauthorised request to cancel an MCData emergency alert.

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

#### 16.2.1.1 Emergency alert origination

Upon receiving a request from the MCData user to send an MCData emergency alert, the MCData client shall determine whether or not it is authorised to originate an emergency alert, by following the procedures in subclause 6.2.8.1.6.

If the MCData emergency alert origination request is considered an unauthorised request for an MCData emergency alert, the MCData client shall indicate to the MCData user that an MCData emergency alert is not allowed on this group and shall terminate this procedure.

If the request was authorised, but the MCData user has not indicated the identity of the MCData group to receive the emergency alert, the MCData client shall use, in descending order of preference, one of the following: the value of the <uri-entry> element of the <entry> element of the <GroupEmergencyAlert> element of the <Common> element in the MCData user profile, if present; if not, the identity of the MCData group to which the most recent communication or affiliation request was made by the MCData client since last acquiring the MCData service. If an MCData group identity cannot be determined, the MCData client shall indicate the fact to the MCData user and shall terminate this procedure.

The MCData client shall generate a SIP MESSAGE as an out-of-dialog request, in accordance with 3GPP TS 24.229 [5] and IETF RFC 3428 [6], and:

1) shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcdata" (coded as specified in 3GPP TS 24.229 [5]), in a P-Preferred-Service header field according to IETF RFC 6050 [7] 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.mcdata" along with the "require" and "explicit" header field parameters according to IETF RFC 3841 [8];

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 [5];

4) shall include an application/vnd.3gpp.mcdata-info+xml MIME body with the <mcdatainfo> element containing the <mcdata-Params> element (see clause D.1) with:

a) the <mcdata-request-uri> element set to the MCData group identity;

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

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

d) if the MCData client is aware of active functional aliases and if an active functional alias is to be included in the SIP MESSAGE request, the <functional-alias-URI> element set to the URI of the used functional alias;

5) shall include an application/vnd.3gpp.mcdata-location-info+xml MIME body with a <Report> element included in the <location-info> root element (see clause D.4);

6) shall include in the <Report> element the specific location information configured for the MCData emergency alert location trigger;

7) shall set the MCData emergency state if not already set;

8) shall set the MCData emergency alert state to "MDEA 2: emergency-alert-confirm-pending";

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

10) shall send the SIP MESSAGE request according to rules and procedures of 3GPP 24.229 [5];

On receiving a SIP 2xx response to the SIP MESSAGE request, the MCData client shall set the MCData emergency alert state to "MDEA 3: emergency-alert-initiated" and shall give the MCData user an indication of success.

On receiving a SIP 4xx response a SIP 5xx response or a SIP 6xx response to the SIP MESSAGE request, the MCData client shall set the MCData emergency alert state to "MDEA 1: no-alert" and shall indicate the failure to the MCData user.

NOTE: If no response is received after an implementation dependent amount of time or if there is an indication of communication failure, the MCData client can inform the user, and can clear the MCData emergency alert state or can retry sending the emergency alert to the MCData participating server. The MCData emergency state is left unchanged, as the MCData user presumably is in the best position to determine whether or not there still is an emergency situation and can use manual clearing, as necessary.

\* \* \* \* \* \* END CHANGE \* \* \* \* \* \*