**3GPP TSG-CT WG1 Meeting #133e-bisC1-220023**

**E-meeting, 17-21 January 2022 (*was C1-220023*)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0277** | **rev** | **-** | **Current version:** | **17.5.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Procedure for upgrading call should check authorization and provide location info | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | AT&T | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | 23 Dec 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | A security hole may occur if the MCData user is NOT authhorized to initiate a one-to-one emergency communication: without the change in this CR, the user may initiate a normal communication and then immediately upgrade it to emergency.  Note that for downgrade, the checking of the authorization functionality is already present (see 6.2.8.4.3).  In addition, location information for the emergency communication needs to be made available to the other party. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Have the procedure in clause 6.2.8.4.4 (which performs the upgrade) invoke the authorization procedure in clause 6.2.8.3.1.1 and the location procedure in clause 6.2.5.1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | User would be able to bypass the authorization configuration for allowing initiations of one-to-one emergency communications. Recipient would not have available the location of the user who declared the emergency. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.8.4.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \* \* \*

##### 6.2.8.4.4 Upgrade to MCData emergency one-to-one communication

This clause covers both on-demand sessions and pre-established sessions.

Upon receiving a request from an MCData user to upgrade the ongoing MCData one-to-one communication to an MCData emergency one-to-one communication, if this is an unauthorised request for an MCData emergency one-to-one communication as determined by the procedures of clause 6.2.8.3.1.1, the MCData client should indicate to the MCData user that the upgrade request is not authorised and shall exit the procedure. Otherwise, the MCData client:

1) shall generate a SIP re-INVITE request as specified in 3GPP TS 24.229 [5];

2) shall include an application/vnd.3gpp.mcdata-info+xml MIME body populated as specified in clause 6.2.8.3.2;

3) shall include a Resource-Priority header field and comply with the procedures in clause 6.2.8.3.3;

4) shall include an SDP offer with the media parameters as currently established according to 3GPP TS 24.229 [5];

NOTE: The SIP re-INVITE request can be sent within an on-demand session or a pre-established session associated with an MCData private call. If the SIP re-INVITE request is sent within a pre-established session, the settings of the media parmeters are expected to be the same as it was negotiated in the existing pre-established session.

5) shall perform the actions specified in clause 6.2.5.1, to include the specific location information for the emergency communication; and

6) shall send the SIP re-INVITE request according to 3GPP TS 24.229 [5].

On receiving a SIP 2xx response to the SIP re-INVITE request the MCData client:

1) shall interact with the user plane as specified in 3GPP TS 24.582 [15]; and

2) shall perform the actions specified in clause 6.2.8.3.4.

On receiving a SIP 4xx response, SIP 5xx response or SIP 6xx response to the SIP re-INVITE request, the MCData client shall perform the actions specified in clause 6.2.8.3.5.

On receiving a SIP INFO request where the Request-URI contains an MCData session ID identifying an ongoing session, the MCData client shall follow the actions specified in clause 6.2.8.3.7.

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