**3GPP TSG-CT WG1 Meeting #131-eC1-21xxxx**

**E-meeting, 19-27 Aug 2021** (*was C1-214049*)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.582** | **CR** | **0027** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | MCData – adjust the To-Path header of MSRP SEND messages received over MBMS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | AT&T | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | July 11, 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Because only one copy of the MSRP SEND message is transmitted (as an RTP packet) via MBMS, the To-Path header of that received MSRP SEND message will not match the URI identifying each terminating client. Since the procedure prescribes processing of the MSRP SEND message by each client as if received via unicast, this CR indicates that the client needs to accept the MSRP SEND message even if the To-Path header does not match, assuming that the message was received via an MBMS bearer associated to the group.  Also, some minor editorial stylistic alignments in the impacted sections. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Make corrections based on the rationale provided above. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | It is possible that some implementations may consider the received packet erroneus, based on the mismatch between the To-Path and the actual identity of the receiving client. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.5.2.3, 7.4.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \* \***

#### 6.5.2.3 Receiving media packets

The terminating MCData client shall:

1. while MBMS delivery is expected, the terminating MCData client shall monitor the MBMS bearer and subchannel indicated by the Map Group To Bearer message; and

2. for each received (S)RTP media packet, until a SIP BYE is received or until an implementation dependent timeout occurs:

a. decapsulate the payload out of the (S)RTP packet and, if SRTP rather than RTP is used (see IETF RFC 3711 [17]), decrypt and validate the payload;

b. if the media packet was received via an MBMS bearer with the TMGI associated to the group, accept the payload as correctly destined for the terminating MCData client, regardless of whether or not the To‑Path header of the MSRP SEND message in the payload matches the terminating MCData client’s MSRP URI (i.e. the MSRP URI provided in the answer SDP to the controlling function during the MSRP session establishment, in accordance with rules and procedures of IETF RFC 4975 [11]); and

c. process the payload as a received MSRP SEND message according to clause 6.1.2.3.1, in the context of the media flow formed by previously received MSRP SEND messages, whether delivered via unicast or via MBMS.

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

#### 7.4.2.3 Receiving media packets

The terminating MCData client shall:

1. while MBMS delivery is expected, monitor the MBMS bearer and subchannel indicated by the Map Group To Bearer message; and

2. for each received (S)RTP media packet, until a SIP BYE is received or until an implementation dependent timeout occurs:

a. decapsulate the payload out of the (S)RTP packet and, if SRTP rather than RTP is used (see IETF RFC 3711 [17]), decrypt and validate the payload;

b. if the media packet was received via an MBMS bearer with the TMGI associated to the group, accept the payload as correctly destined for the terminating MCData client, regardless of whether or not the To‑Path header of the MSRP SEND message in the payload matches the terminating MCData client’s MSRP URI (i.e. the MSRP URI provided in the answer SDP to the controlling function during the MSRP session establishment, in accordance with rules and procedures of IETF RFC 4975 [11]); and

c. process the payload as a received MSRP SEND message during the established MSRP session, according to clause 7.1.3.1, in the context of the media flow formed by previously received MSRP SEND messages, whether delivered via unicast or via MBMS.

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