**3GPP TSG-CT WG1 Meeting #125-eC1-204977**

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.548** | **CR** | **0003** | **rev** | **-** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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:*** | Updates to MBMS bear quality detection procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SEAL | | | | |  | ***Date:*** | | | 2020-08-08 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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:*** | | There is an update in clause 14.3.4.5.2 of Stage 2 TS 23,434:  *4. The NRM server may send user plane delivery mode to VAL server based on the MBMS listening status to preserve the service continuity as described in clause 14.3.4.6 and clause 14.3.4.9.*  Therrefore, this step should be added in Stage 3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Add one step acording to Stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | 1. Inconsistent with Stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.3.4.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

##### 6.2.3.4.2 Server procedure

###### 6.2.3.4.2.1 SIP based procedure

Upon receiving a SIP MESSAGE request containing:

a) an application/vnd.3gpp.seal-mbms-usage-info+xml MIME body with an <mbms-listening-status> element and an <mbms-reception-quality-level> element;

the SNRM-S:

a) shall verify that the public user identity in the P-Asserted-Identity header field is bound to theVAL user ID in the <seal-request-uri> element in the application/vnd.3gpp.seal-info+xml MIME body;

b) may send an MBMS bearer announcement message as specified in clause 6.2.3.3 with additional proposal for measurements, e.g. information about neighbouring MBMS bearers; and

c) may send user plane delivery mode to VAL server based on the MBMS listening status to preserve the service continuity as described in clause 6.2.3.5.

###### 6.2.3.4.2.2 HTTP based procedure

Upon receiving an HTTP POST request message containing:

a) an application/vnd.3gpp.seal-mbms-usage-info+xml MIME body with an <mbms-listening-status> element and an <mbms-reception-quality-level> element;

the SNRM-S:

a) shall determine the identity of the sender of the received HTTP POST request as specified in clause 6.2.3.4.1.2, and:

1) if the identity of the sender of the received HTTP POST request is not authorized to detect MBMS bearer quality, shall respond with an HTTP 403 (Forbidden) response to the HTTP POST request and skip rest of the steps;

b) may send an MBMS bearer announcement message as specified in clause 6.2.3.3 with additional proposal for measurements, e.g. information about neighbouring MBMS bearers; and

c) may send user plane delivery mode to VAL server based on the MBMS listening status to preserve the service continuity as described in clause 6.2.3.5.

\* \* \* End of Change \* \* \* \*