**3GPP TSG-SA WG6 Meeting #37-e S6-200644**

**e-meeting, 14th – 26th May 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.280** | **CR** | **0255** | **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:*** | Clarification on setting the MBMS broadcast areas when activating MBMS bearer | | | | | | | | | |
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| ***Source to WG:*** | at&t | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enh3MCPTT | | | | |  | ***Date:*** | | | 2020-04-23 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)* | |
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| ***Reason for change:*** | | According to 23.468 the GCS AS communicates with BM-SC to activate the MBMS service. In Mission Critical services the MC service server is acting as the GCS AS function to activate the MBMS bearer procedure to use MBMS service for service delivery.  To cover reasonable MBMS servicing area, a BM-SC will connect to multiple MBMS GWs that service particular MBMS service area. For a group communication, the group members may located in different MBMS service areas and the MC service server shall construct the MBMS broadcast areas parameter based on the registration information from the group members. When constructing the MBMS broadcast areas, the MC service server shall take into account where the group members are and if the UE is capable of receiving MBMS service. | | | | | | | | |
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| ***Summary of change:*** | | Clarify when the MC service server activating the MBMS bearer the MBMS broadcast area parameter should be constructed based on where the receivers are and if they are capable of receiving MBMS services. | | | | | | | | |
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| ***Consequences if not approved:*** | | Stage 3 might not clear on how to construct the MBMS broadcast areas when using the MBMS broadcast service. | | | | | | | | |
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| ***Clauses affected:*** | | 10.11.4 | | | | | | | | |
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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 \* \* \* \*

### 10.11.4 Management of multicast media bearers

To activate the multicast media bearers the MC service server shall use the Activate MBMS Bearer procedure specified in 3GPP TS 23.468 [18] with the MC service server performing the GCS AS function. In the case that BM-SC is connecting to multiple service areas (i.e. multiple MBMS GWs), The MC service server shall construct the MBMS broadcast area parameter based on the target recipients’ registration information and their capability to receive MBMS to maximize the network resources usage efficiency, i.e. only deliver to the MBMS broadcast areas that have authorized and capable receivers.

To deactivate the multicast media bearers the MC service server shall use the Deactivate MBMS Bearer procedure specified in 3GPP TS 23.468 [18] with the MC service server performing the GCS AS function.

To modify multicast media bearers the MC service server shall use the Modify MBMS Bearer procedure specified in 3GPP TS 23.468 [18] with the MC service server performing the GCS AS function.