**3GPP TSG-SA WG6 Meeting #64S6-245374**

**Orlando, USA, 18th – 22nd November 2024 (revision of S6-245205)**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.280** | **CR** | **0626** | **rev** | **1** | **Current version:** | **19.4.0** |  |
|  | | | | | | | | |
| *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:*** | Void MBMS bearer event notification procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enh4MCPTT | | | | |  | ***Date:*** | | | 2024-11-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The EN in clause 10.7.3.10.2 as below should be resovled.  Editor's note: The procedure defined in this sub clause requires an enhancement to GCSE and RAN and is therefore subject to implementation in EPC and RAN.  Now EPS does not support such notification from RAN to BM-SC. So it is proposed to void this procedure. | | | | | | | | |
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| ***Summary of change:*** | | Void the claue 10.7.3.10.1 | | | | | | | | |
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| ***Consequences if not approved:*** | | Bad TS quality with a procedure being uncompleted. | | | | | | | | |
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| ***Clauses affected:*** | | 10.7.3.10.1, 10.7.3.10.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

##### 10.7.3.10.1 General

The MC service server is an instantiation of a GCS AS. For the MC service server to know the status of the MBMS bearer, and thus know the network ability to deliver the service, it is required that the network provides MBMS bearer event notifications to the MC service server. The different events notified to the MC service server include the MBMS bearer start result (e.g., when the first cell successfully allocated MBMS resources), including information if any cells fail to allocate MBMS resources to a specific MBMS bearer.

##### 10.7.3.10.2 Procedure

The procedure in figure 10.7.3.10.2-1 shows notification information flows from MC service server to BM-SC.



Figure 10.7.3.10.2-1: MBMS bearer event notification

1. The MC service server activates an MBMS bearer. The activation of the MBMS bearer is done on the MB2-C reference point and according to 3GPP TS 23.468 [18].

2. The BMSC will respond to the activation with an Activate MBMS bearer response message, according to 3GPP TS 23.468 [18].

3. The EPC and RAN will initiate the MBMS session start procedure according to 3GPP TS 23.246 [11]. This procedure is outside the scope of this specification.

4. At the first indication of a successful MBMS session start procedure, the BM-SC sends a MBMS bearer event notification, indicating that the MBMS bearer is ready to use.

5. The MC service server starts to use the MBMS bearer according to the MBMS procedures in this specification.

6. The MC service server may decide, based on the received events, to switch to unicast transmission for relevant MC service clients.