**3GPP TSG SA WG4#116e S4-211588**

**E-meeting, 10th – 19th November 2021**

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| *CR-Form-v12.0* | | | | | | | | |
| **Pseudo CHANGE REQUEST** | | | | | | | | |
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|  | **26**.**502** | **CR** | draft | **rev** |  | **Current version:** | **0.1.0** |  |
|  | | | | | | | | |
| *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:*** | **[5MBUSA] General MBS Procedures** | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBUSA | | | | |  | ***Date:*** | | | 03/11/2021 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | |  |
|  | *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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | |  | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**===== CHANGE =====**

## 4.4 Domain model

The domain model for the MBS User service addresses different service and session concepts that are established across different network entities as shown in Figure

**MBS Application Service**: An end-user service for which parts of the data or all of the data of this service is accessible by joining an MBS User Service.

**MBS Application Service Provisioning**: tbd

**MBS User Data Ingest Session**: tbd

**MBS User Service:** The transport-level service using one or several MBS Distribution Session to delivery an Application Service.

**MBS Distribution session:** time, protocols and protocol state (i.e. parameters) which define sender and receiver configuration and use an MBS session for the delivery of an MBS User Data Ingest Session.

**MBS Application Service Control:**. tbd

**MBS Application data session:** tbd

Editor’s Note: The static domain model for services and sessions.



Figure 4.4-1 MBS User Service domain model

**===== CHANGE =====**

## 5.2 High-level baseline procedures

The high-level MBS User Service baseline procedures are shown in Figure 5.2-1.



Note: The prefix MBS is omitted in the figure to avoid unnecessary business of the diagram

Figure 5.2-1 MBS User Service high-level baseline procedures

The basic procedures are as follows

1: The MBS Application Provider asks the MBSF via Nmb10 to provision an Application Service as an MBS User Service.

2: The MBSF provisions a Distribution Session in the MBSTF via Nmb2.

3: The MBSF creates a User Service Announcement that may be accessed by the MBS client of interested UEs via MBS-5.

4: The MBS Application Service provider provides information to the MBS-Aware Application via MBS-8 that the specific Application Service can be accessed via an MBS User Service.

5: The MBS Application provider creates an MBS User Data Ingest Session and ingests the User data via Nmb6 to the MBSTF.

6: The MBS-Aware application requests the MBS client to access a specific MBS User Service via MBS-6

7: The MBSF client discovers this MBS User Service via MBS-5 querying the MBSF.

8: The MBSF client provides the MBS Distribution Session information to the MBSTF client via MBS-6’

9: The MBSTF client activates reception of the the MBS Distribution Session via MBS-4

10: The MBSF client continuously handles the MBS Distribution Session based on updates received via MBS-5

11: The MBSTF client receives MBS User Data as part of MBS Distribution session via MBS-4

12: The MBSTF provides the MBS User Data to the MBS-Aware application via MBS-7 in an Application Data Session

13: The MBS-Aware Application controls the MBS User Service via MBS-6