**3GPP SA4 117-E meeting** ***S4-220123***

**E-meeting, February 14th – 23rd, 2022**

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| *CR-Form-v12.0* |
| **PSEUDO CHANGE REQUEST** |
|  |
|  | **TS 26.502** | **CR** | **–** | **rev** | **–** | **Current version:** | **1.0.0** |  |
|  |
| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | pCR to TS 26.502 support of interworking with LTE MBMS |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | 5MBUSA |  | ***Date:*** | 2022-02-08 |
|  |  |  |  |  |
| ***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)*. |  |
|  |  |
| ***Reason for change:*** | In SA2 TS 23.247, the MBSF and MBSTF shall be used when interworking with LTE MBMS at 5GC is required and the MBSF functionality related to service and MBS data handling (e.g. encoding) is to be determined with SA WG4. Therefore, it’s better to add support of interworking with LTE MBMS for MBSF. |
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| ***Summary of change:*** | Add a NOTE to clairfy that the interworking with LTE MBMS is already supported by MBSF without any additional work.  |
|  |  |
| ***Consequences if not approved:*** | Support of interworking with LTE MBMS is missing.  |
|  |  |
| ***Clauses affected:*** | 4.3.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

First change

### 4.3.2 MBSF

The functionality of the MBSF is defined in clause 5.3.2.11 of TS 23.247 [5]. It receives provisioning and control commands either directly at reference point Nmb10 or at reference point Nmb5 (via the NEF). The MBSF invokes MBS Session operations on the MB‑SMF at reference point Nmb1. The MBSF configures the MBSTF at reference point Nmb2.

The User Service Announcement function of the MBSF provides session access information which is consumed by the MBS Client and subsequently used to discover and initiate the reception of one or multiple MBS User Services. The session access information may contain information for presentation to the end-user, as well as application parameters used in generating service content for consumption by the MBS Client.

The present document defines additional Control Plane functionalities of the MBSF to support MBS User Services including:

- Generating the User Service Announcement for each MBS Session.

- Managing User Service Announcement updates.

- Providing the User Service Announcement information to the MBS Client using one or more of the following mechanisms:

- Unicast User Service Announcement via reference point MBS-5.

- User Service Announcement via an MBS User Service Session.

- User Service Announcement via application-private means at reference point MBS-8.

[- Monitoring the status of ancillary information and configuring its delivery in the same MBS Session as the content with which it is associated if ancillary information is changed and the MBSTF is used.]

Editor’s Note: Usage of QoS is FFS. See clause 4.6.

NOTE: Interworking with LTE lies outside the scope of MBS User Services. It is fully specified in clause 5.2 of TS 23.247 [5] and is not considered further in the present document.

End of CHANGE