**3GPP TSG SA WG4#113-e S4-210632**

**A revision of *S4-210496***

**A revision of *S4aI201157***

**E-meeting, 6th-14th April, 2021**

**Title: LS on work split for MBSF and MBSTF definition**

**Release: Rel-17**

**Work Item: FS\_5GMS\_Multicast**

**Source: SA4**

**To: SA2**

**Cc :** **SA6, CT4**

**Contact Person: Peng Tan, peng.tan@telus.com**

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments: TR 26.802**

# 1 Overall description

In TR 23.757 Annex A.3, SA2 expects that “MBSF functionality related to service is to be determined with SA4”. SA2 also expects MBSTF functionality related to MBS data handling (e.g. encoding) will be determined with SA4.

In order to support 5MBS User Services, SA4 is studying MBSF functionality related to service, and MBSTF functionality related to MBS data handling. Initial analysis can be found in clause 7.3 of draft TR 26.802 v1.2.0.

Furthermore, as SA4 has progressed its FS\_5GMS\_Multicast study, the following preliminary conclusions have been drawn in clause 6.2 of TR 26.802 to identify potential standardization areas, specifically:

* Specify delivery methods to support 5MBS User Services using 5MBS capabilities. Currently, two delivery methods (object delivery method and transparent delivery method) are being studied in clause 7.3 of TR 26.802. Note, the object delivery method offers the function of sending entire files or DASH media segments via 5MBS.
* 5G Multicast Media Streaming is one scenario of 5MBS User Service.
* Define Nmbsf / Nx4 (based on xMB-C) and Nmbstf / Nx5 (based on xMB-U). (It is assumed that the MB2 interface will be supported in Release 17 “as is”.)
* Define the realization of Nx2 (between MBSF and MBSTF), which configures and controls the delivery functions (like the object delivery method)

SA4 expects to create a new specification TS 26.502 to document these potential standardization areas.

SA4 expects SA2 to define common procedures for Multicast Session and Broadcast session and related functionalities in MBSF and MBSTF in TS 23.247.

# 2 Actions

**To SA2**

**ACTION:** SA4 kindly asks SA2 to:

1) Let SA4 know if SA2 has any comments on the work split proposed in clause 7.3 in the attached draft TR 26.802.

2) Consider renaming xMB-C to Nmbsf or Nx4, and xMB-U to Nmbstf or Nx5, in line with the 5GC reference point naming convention.

3) Take into account SA4 design considerations for the Nx2 reference point documented in clause 5.3 of the attached draft TR 26.802.

4) Keep SA4 updated on the progress of TS 23.247.

# 3 Dates of next TSG SA WG4 meetings

3GPP SA4#114-e 19 – 28 May 2021 E-meeting

3GPP SA4#115-e 18 – 27 August 2021 E-meeting