**3GPP TSG-WG SA4 Meeting #112e e-meeting *S4-210319***

**Staying safe at home, February 1 – 10, 2021**

**Title: LS on Service Layer aspects for 5G MBS**

**Release: Rel-17**

**Work Item: FS\_5MBS**

**Source: SA WG4**

**To: SA WG2**

**Cc: SA WG6**

**Contact person: Thorsten Lohmar**

 **Thorsten.Lohmar@ericsson.com**

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

**Attachments:**

# 1 Overall description

During SA4#112-e, as SA4 has further progressed the service layer aspects of the new 5MBS architecture. During the work, SA4 has realized a dependency on MB2, which is under SA2 control.

According to the definition of the MBSF-U function in TR 23.757 V1.2.0 Clause A.3.3.10, only the MBSF-U can interact with the service layer and apply FEC encoding. According to TS 23.468, an GCS AS may request the BM-SC to add FEC encoding to the MB2-U transport flow. The according BM-SC procedures are specified in TS 26.346, Clause 8a. SA4 would be very pleased to reproduce these procedures in the context of 5G Core and include them into the SA4 study around 5MBS Service layer aspects.

SA4 has identified deployments, whether the MBSF-C is integrated into another Application Function, which are documented in TR 26.802, Clause 4.4.1.3 and Clause 5.4. SA4 would like to specifically draw attention to Collaboration A0 and Collaboration B1, which does not contain a separated MBSF function for control. Here, the Nmbsu API is used directly by an AF to control the MBSU.

# 2 Actions

**To SA2**

**ACTION: SA4 kindly asks SA2 to confirm the work split for MB2, in case the GCS AS desires to use FEC encoding.**

 **SA4 kindly asks SA2 to conform, that the SA2 architecture allow that the Nmbsu API is used by other functions than the MBSF-C**

# 3 Dates of next TSG SA WG4 meetings

SA4#113-e 6 - 14 April 2021 E-meeting

SA4#114-e 19 – 28 May 2021 E-meeting