3GPP TSG SA WG 4 Meeting 117-e TDoc S4-220284

Electronic, 14–23 February 2022

**Title: LS on 5MBS User Services**

**Response to: —**

**Release: Rel-17**

**Work Item: 5MBUSA**

**Source:** **3GPP SA4**

**To:** **3GPP SA2, CT3, CT4**

**Cc: SA6**

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**Attachments:** S4-220235 [TS 26.502 v1.1.0].

# 1 Overall description

*SA4 is pleased to provide the following progress update on the 5MBUSA work item, and requests feedback according to the actions listed in section 2 below.*

## 1.1 Current status

In relation to the Release 17 normative work item 920010 ("5G Multicast-Broadcast User Service Architecture and related 5GMS Extensions "), SA4 would like to inform you that it has progressed the stage 2 technical specification and is pleased to attach draft **TS 26.502 V1.1.0** agreed at the SA4#117-e meeting for your information, review and feedback.

SA4 would like to draw your attention to the following additions in this revision of the specification:

1. A **Static domain model** for MBS User Service, MBS User Data Ingest Session and MBS Distribution Session in the MBSF and MBSTF at clause 4.5. This includes schematic and UML representations of the domain model, along with specification of stage 2 baseline parameters.

2. A **dynamic life-cycle model** for MBS User Service in the MBSF and MBSTF at clause 4.6.

3. An outline specification of the Network Function services exposed by the MBSF and MBSTF respectively:

- Nmbsf service operations at reference point **Nbm10** are specified in clause 7.2.

- Nmbstf service operations at reference point **Nmb2** are specified in clause 7.3.

- It is recognised that more detail may be required in clause 7 to assist with stage 3 API design.

4. A set of informative examples and **protocol stack diagrams** in annex B illustrating how User Plane data is ingested by the MBSTF at reference point Nmb8 and passed on to the MB‑UPF at reference point Nmb6.

## 1.2 Open questions

In discussion of support for Group Communication services in TS 26.502 during the SA4#117-e meeting, different opinions were expressed about whether GC services (e.g MCX services) are only allowed to use 5MBS capabilities via reference point MB2 in Release 17. SA4 would therefore like to ask SA2 the following questions concerning the scope of interworking between GC services and the MBS System to clarify the Release 17 requirement on TS 26.502 and to assist with future-proofing the design of MBS User Services:

Q1: Is collaboration between the Group Communication System Enabler (TS 23.468) and the MBS System achieved only at reference points MB2-C and MB2-U in Release 17, as specified in TS 23.247 annex C?

Q2: Assuming the answer to Q1 is yes, does SA2 intend to revise TS 23.247 and/or TS 23.468 in Release 18 to permit collaboration between the Group Communication System Enabler and the MBS System via reference points Nmb10 and Nmb8, per figure 4.7.2 1 in TS 23.289, Release 18?

# 2 Actions

**To SA2**

**ACTION 1:** SA4 kindly asks SA2 to review the draft TS and provide feedback on whether it satisfies the envisaged work split with TS 23.247.

**ACTION 2:** SA4 kindly asks SA2 to provide feedback on questions Q1 and Q2 above.

**To CT3/CT4**

**ACTION:** SA4 asks CT3/CT4 to review clause 7 (Network Function service) and provide early feedback on its suitability.

# 3 Dates of next TSG SA WG 4 meetings

SA4#118-e 6th–14th April 2022 E-meeting

SA4#119-e 11th–20th May 2022 E-meeting