**3GPP TSG-WG SA2 Meeting #155 *S2-2303356***

**Athens, Greece, February 20 – 24, 2023 (revision of S2-2302679)**

Title: [DRAFT] LS on the open issues related to RAN WGs in 5MBS\_Ph2

Response to:

Release: Release 18

Work Item: NR\_MBS\_enh-Core, 5MBS\_Ph2

Source: [Huawei to be] SA2

To: RAN2, RAN3

Cc:

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Attachments: None.

**1. Overall Description:**

SA2 has progressed the normative work for 5MBS\_Ph2 for two meetings. According to the SA2 work plan, SA2 Meeting #156 is expected to be the last meeting unless extra time unit in #157 is allocated by SA2.

In addition to the LS sent to RAN2 and RAN3 (S2-221125) regarding the TR conclusion, SA2 would like to inform RAN2 and RAN3 of the following progress as well as to get feedback:

For Multicast MBS session data reception in UE with RRC\_INACTIVE state:

* SA2 agrees that the MBS assistance information for the MBS session sent to NG-RAN consists of an indication that the UE is preferred to be kept in connected when receiving the related MBS session data. Feedback from RAN WGs is expected to finalize the definition of MBS assistance information.

* SA2 agrees that in case of handover, the MBS assistance information for the MBS session will be transferred by the source NG-RAN nodes if such information is available and supported at the source NG-RAN nodes.
* SA2 assumes the procedure of UE mobility within RNA is to be specified in RAN WGs, and SA2 requests RAN WGs to inform SA2 of the progress for any alignment needed in SA2.

For Resource sharing across broadcast MBS Sessions during network sharing:

* SA2 discussed two options on how to address location dependent broadcast service but there was no agreement yet:

Option-1: NG-RAN correlates the multiple broadcast MBS Sessions via different CNs delivering the same content by checking the list of cell IDs and/or TAIs included in the MBS service area provided for those MBS Sessions.

Option-2: AF provides an additional Content ID during broadcast MBS session creation. NG-RAN can make use of the Content ID in the correlation.

Considering that the correlation is done in NG-RAN, SA2 would like to get feedback from RAN WGs on the options.

**2. Actions:**

**To RAN2, RAN3:**

**ACTION:** SA2 asks RAN2 and RAN3 to take the above agreements and information into account and provide feedback.

**3. Date of Next TSG SA WG2 Meetings:**

TSG-SA2 Meeting #156-e Apr 17 – 21, 2023 Electronic

TSG-SA2 Meeting #157 May 22 – 26, 2023 EU