**3GPP TSG-WG SA2 Meeting #152E e-meeting *S2-2206077***

**Elbonia, August 17 – 26, 2022 (revision of S2-220xxxx)**

Title: [DRAFT] LS on LS on AS-NAS layer interactions for MBS

Response to: LS (S2-2205426) on LS on AS-NAS layer interactions for MBS from RAN2

Release: Release 17

Work Item: 5MBS, NR\_MBS-Core

Source: [Huawei to be] SA2

To: RAN2, CT1

Cc:

**Contact Person:**

Name: Meng Li

Tel. Number:

E-mail Address: Raymond DOT limeng AT huawei DOT com

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

Attachments: None.

**1. Overall Description:**

SA2 would like to thank RAN2 for LS on AS-NAS layer interactions for MBS, and SA2 would like to provide the following response.

|  |
| --- |
| RAN2 is currently reviewing the procedures in RAN2 specifications related to MBS and one of the doubts that arose during the process was related to whether some of the information should be passed to upper layers or not. Currently, RAN2 assumes that AS will indicate the following events/information related to MBS session:1. When the UE receives a Paging message including a TMGI for activation of a multicast MBS session which the UE has previously joined, the UE will forward the TMGI to upper layers (for both UE in RRC\_IDLE and RRC\_INACTIVE states).
2. When the user plane resources are established for either an MBS broadcast or an MBS multicast session, the UE will notify upper layers about this (and include TMGI to identify the session).
3. When the user plane resources of either an MBS broadcast or an MBS multicast session are released, the UE will notify upper layers about this (and include TMGI to identify the session).

RAN2 respectfully asks CT1 and/or SA2 to confirm whether the indications from AS to upper layers as mentioned above are needed and/or whether there are any other events or information concerning MBS at AS which the upper layers should be informed about. |

SA2 agrees that the TMGI information is needed at NAS layer when the UE receives a Paging message including a TMGI for activation of a multicast MBS session.

* For the UEs in CM-IDLE state, they need to send the service request message including the associated PDU session ID(s) of the TMGI after receiving the paging message including TMGI.

For scenario 2 and 3, SA2 assumes that AS layer needs to indicate to the upper layer with TMGI, so that client applications may take proper actions towards users.SA2 hasn’t seen other events or information to be notified from AS layer towards upper layer. .

**2. Actions:**

**To CT1, RAN2 group:**

**ACTION:** SA2 asks CT1, RAN2 group to take the above information into consideration.

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

TSG-SA2 Meeting #153e Oct 10 – 14, 2022 Elbonia

TSG-SA2 Meeting #154 Nov 14 – 18, 2022 TBD