3GPP TSG-RAN WG3 Meeting #122 R3-237865

Chicago, USA, 13th – 17th November 2023

**Agenda item: 15.2**

**Source: Lenovo**

**Title: (TP to MBS BL CRs for TS 38.470) Support of MBS reception in RAN sharing scenario**

**Document for: Approval**

# **1 Introduction**

This paper to capture the text proposal for agreements made in RAN3#122.

# **2 Text Proposal**

**--------------------------------------------------------------1st Change ------------------------------------------------------------------**

***-----------------Start of the Changes-------------------***

### 5.2.2 System Information management function

Scheduling of system broadcast information is carried out in the gNB-DU. The gNB-DU is responsible for transmitting the system information according to the scheduling parameters available.

The gNB-DU is responsible for the encoding of the NR-MIB message. In case broadcast of SIB1 and other SIBs is needed, the gNB-DU is responsible for the encoding of the SIB1 message, SIB10, SIB12, SIB13, SIB14, SIB15, SIB17, SIB18, SIB20 and SIBX, and the gNB-CU is responsible for the encoding of other SIBs. The gNB-DU may re-encode SIB9. The gNB-DU is responsible for the generation of the SystemInformation message.

NOTE: The SIB19 is generated by the gNB-DU.

Editor’s Note: “SIBX” is a place holder for a new system information block providing configuration information for a multicast MCCH which needs to be specified by RAN2.

The gNB-CU is responsible for receiving the positioning assistance information from LMF, e.g the positioning related SIBs. The gNB-CU transparently sends the positioning assistance information to the gNB-DU. The gNB-DU is responsible for broadcasting the positioning assistance information in Positioning SI message(s).

To support Msg3 based on-demand SI and RRC Dedicated SIB Request as described in TS 38.331 [11], the gNB-CU can confirm the received SI request from the UE by including the UE identity, and command the gNB-DU to broadcast the requested *SystemInformation* messages including the other SI.

To support UE RRC Positioning SI acquisition mechanism, as described in TS 38.331 [11], the gNB-CU can confirm the received positioning SI request from the UE by including the UE identity, and command the gNB-DU to broadcast the requested positioning SI messages.

***-----------------Next Change-------------------***

### 6.1.13 NR MBS procedures

The F1 MBS procedures are listed below:

- Broadcast Context Setup;

Broadcast Context Release (gNB-CU initiated);

- Broadcast Context Modification;

- Broadcast Context Release Request (gNB-DU initiated);

- Multicast Group Paging procedure;

- Multicast Context Setup;

- Multicast Context Release (gNB-CU initiated);

- Multicast Context Modification;

- Multicast Context Release Request (gNB-DU initiated);

- Multicast Distribution Setup;

- Multicast Distribution Release;

- Multicast Context Notification;

- Broadcast Transport Resource Request.

***-----------------End of the Change-------------------***