**3GPP TSG RAN2 Meeting #117-eR2-220xxxx**

**Online, 21 February – 03 March 2022**

**Title:** LS on MBS broadcast reception on SCell

**Response to:** R1-2200798

**Release:** Rel-17

**Work Item:** NR\_MBS-Core

**Source:** RAN2

**To:** RAN1

**Cc:** -

**Contact Person:**

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**1. Overall Description:**

RAN2 would like to thank RAN1 for their response LS on MBS broadcast reception on SCell and non-serving cell provided in R1-2200798. RAN2 discussed this topic further and did not reach the agreement yet on the support of SCell and non-serving cell based MBS broadcast reception during the first week of RAN2#117-e. During the RAN2 discussion, there are some additional questions raised with respect to the following RAN1 agreement with respect to MBS broadcast reception on SCell:

“*The UE is not required to monitor DCI formats associated with SI-RNTI, P-RNTI, RA-RNTI in SCell.*”

Based on this RAN1 agreement, some companies in RAN2 considered to allow SIBx (SIB carrying MCCH configuration) to be configured to the UE via dedicated SIB delivery mechanism in RRC signalling. However, some other companies companies indicated that it would be preferred if the UE could read SIBx from SCell directly (i.e. via BCCH), as this would minimize impact on RAN2 specifications.

Another point that was raised was that even if SIBx was delivered via dedicated signalling, the UE would still need to read MCCH channel using MCCH-RNTI directly from SCell. Based on this understanding, RAN2 would like to ask the following questions:

**Question 1:** Would it be feasible for the UE to receive SIBx directly from SCell via BCCH? If yes, then would it be a big burden on the UE complexity and specifications from RAN1 point of view? If that is deemed infeasible by RAN1, RAN2 would like to request RAN1 to clarify the reaons behind.

**Question 2:** Is there a dependency between SIBx reception method for SCell (i.e. directly reading from SCell vs. dedicated RRC signalling) and MCCH provision method (i.e. dedicated signalling vs. directly reading from SCell).Should the UE receive MCCH directly from SCell or should MCCH need to be provided to the UE with dedicated signalling as well?

**2. Actions:**

**To RAN1 group:**

**ACTION:** RAN2 respectfully asks RAN1 to take the above into account and answer the above questions.

**3. Dates of next TSG-RAN WG2 meetings:**

RAN2#118-e 16 – 27 May 2022 Online