**SA WG2 Meeting #S2-154 S2-xxx**

**14 – 18 November, 2022, Toulouse, FR**

**Title:** Reply LS on the scope of resource efficiency for MBS reception in RAN sharing scenario

**Response to:** Reply LS on the scope of resource efficiency for MBS reception in RAN sharing scenario (RP-222678/S2-2208150)

**Release:** Rel-18

**Work Item:** FS\_5MBS\_Ph2/NR\_MBS\_enh-Core

**Source:** SA2

**To:** RAN, RAN3

**Cc:** SA

**Contact Person:**

Name: Thomas Belling

E-mail Address: thomas(dot)belling(at)nokia(dot)com

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

Attachments: none

**1. Overall Description:**

SA2 thanks TSG RAN for the LS on the scope of resource efficiency for MBS reception in RAN sharing scenarios. TSG RAN wrote:

*TSG RAN considers that from technical point of view support of resource efficiency for MBS reception is beneficial regardless of the MBS session type (broadcast / multicast).*

*TSG RAN suggests RAN3 to focus on the work on the broadcast service for resource efficiency improvement for* ***MBS reception in RAN sharing scenario****, and to* ***further coordinate with SA2 on the applicability of the solution to multicast service when needed.***

*…*

*Action To SA2 and SA:*

*TSG RAN kindly asks SA2 and SA to take the above information into account for their further work and coordinate with RAN and RAN3 if needed.*

There is no Rel-18 SA2 work on 5G MOCN network sharing for multicast:

The SA2 SID [SP-211645](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_94E_Electronic_2021_12/Docs/SP-211645.zip) only contains an objective to study 5G MOCN network sharing for broadcast:

*WT#1.2 Study feasible and efficient resource utilization for the same broadcast content to be provided to 5G MOCN network sharing scenarios (i.e., multiple CNs are connected to the same NG-RAN);*

The related key issue 2 in TR 23.700-47 is also restricted to broadcast.

However, introducing MOCN network sharing for multicast would require both study and normative work in SA2 and cannot be introduced by RAN3 alone. There are substantial technical differences compared to MOCN network sharing for broadcast.

**2. Actions:**

**To RAN3 group.**

**ACTION:** SA2 kindly asks RAN3 to take the above information into account.

**3. Date of Next SA2 Meeting:**

SA2 AdHoc Meeting 16-20 January 2023 Electronic

SA2#155 20-24 February 2023 Athens, Greece