**3GPP TSG-RAN WG3 #110-e R3-207013**

**2 – 12 November 2020**

Title: [DRAFT] Reply LS on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G

Response to: Reply LS on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G (R3-206842/S2-2008307)

Release: Release 17

Work Item: NR\_NTN\_solutions, 5GSAT\_ARCH

Source: Qualcomm Incorporated [to be RAN3]

To: SA2, RAN2

Cc: SA3-LI, SA5

**Contact Person:**

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

Attachments: None

**1. Overall Description:**

RAN3 thanks SA2 for their reply LS in R3-206842/S2-2008307.

RAN3 would like to inform SA2 and RAN2 that RAN3 agreed that a Cell ID as used on NG-RAN interfaces corresponds to a fixed geographical area. It is up to RAN2 to decide how the cell ID is broadcast in SIB1.

RAN3 will continue to study resulting impacts or requirements in RAN functions, procedures and signalling as applicable to this use case. To progress further, RAN3 would also like to ask RAN2 to provide any feedback ,e.g. SIB aspects, and how the RAN could acquire information on the UE’s location.

Note: NTN WID includes identification of potential issues associated to the use of the existing Location Services (LCS) application protocols to locate UE in the context of NTN and specify adaptations if any [RAN2/3]. This could be used to determine the UE location with sufficient level of accuracy if needed, as requested in R3-206842.

**2. Actions:**

**To** **SA WG2.**

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

**To RAN WG2.**

**ACTION:** RAN3 kindly asks RAN2 to provide feedback on the above.

**3. Date of Next RAN3 Meetings:**

RAN3#111-e January 2020 Electronic meeting