**3GPP TSG RAN WG2#113-e draft-R2-2102041**

**Online meeting, 25 January – 05 February, 2021**

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

Response to: R2-2011041 / R3-207062

Release: Release 17

Source: Qualcomm Inc. [to be RAN2]

To: RAN3, SA2

Cc: SA3-LI, SA5

**Contact Person:**

Name: Bharat Shrestha

E-mail Address: bshrestha@qti.qualcomm.com

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

Attachments: None

**1. Overall Description:**

RAN2 would like to thank RAN3 for the LS reply on assumptions after conclusion of the study on architecture aspects for using satellite access in 5G.

RAN3 approach (a):

*a) On Uu, SIB content corresponds to momentary coverage area of a satellite beam related to the geographically fixed areas of TAs/Cells - irrespective of whether the beam is fixed or moving.*

RAN3 approach (b):

*b) The cell ID used on Uu SIB content (and probably on Xn) are decoupled from cell ID used on NG(N2). The respective mapping is performed in RAN. This requires gNB to acquire the UE’s location information.*

RAN2 answer:

RAN2 discussed the approaches (a) and (b). RAN2 prefers approach (b) and will continue working assuming approach (b). Whether RAN requires finer UE location than what could be known from TAC, cell ID and any available satellite beam information, will be handled separately in LS R2-2101xxx.

**2. Actions:**

**To** **RAN WG3, SA WG2 groups.**

**ACTION:** RAN2 kindly asks RAN WG3 and SA WG2 to take the above information into account and provide feedback.

**3. Date of Next RAN2 Meetings:**

TSG-RAN WG2#113bis-e April 12th – 20th, 2020 Online meeting