**3GPP TSG-RAN WG3 Meeting #113-eR3-21xxxx**

**E-meeting, 16 – 26 August, 2021**

**Title:** [Draft] Reply LS on UE location aspects in NTN

**Response to:** New LS on UE location aspects in NTN (R2-2106543/R3-213116);

**Release:** Rel-17

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

Source: CATT (to be RAN3)

To: RAN2, SA2, SA3, SA3-LI

CC: CT1

Contact Person: Jiancheng SUN

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

**1. Overall Description:**

RAN3 thanks RAN2 for the LS on UE location aspects in NTN.

RAN3 discussed and confirmed that it’s NG-RAN to do the CGI mapping based on the received UE location info from the UE. How to do the mapping is pre-configured (e.g., up to operator’s policy) or up to implementation.

However, some companies in RAN3 pointed out it may not be possible for NG-RAN to do accurate mapping from UE location with “~2km” accuracy to a “~2km” geographical fixed area, as there’s high possibility that the reported UE location across several geographical fixed cells. In this case, NG-RAN may select a “wrong” geographical fixed CGI from the one UE is physically located.

**Question: RAN3 kindly ask SA2, SA3 and SA3-LI if it’s acceptable that NG-RAN provide a geographical fixed CGI where UE is not physically located in?**

**2. Actions:**

**To SA2, SA3, SA3-LI group**

**ACTION:** RAN3 kindly asks SA2, SA3 and SA3-LI the question that if it’s acceptable that NG-RAN provide a geographical fixed CGI where UE is not physically located in?

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

RAN3#114-e 1st Nov. – 11th Nov. 2021 Online

RAN3#115-e 21st Feb. – 25th Feb. 2022 Athens, GR