**3GPP TSG RAN WG2#117-e R2-2204113**

**Online meeting, February 21st – March 3rd, 2022**

Title: LS on UE location in connected mode in NTN

Response to: -

Release: Release 17

Source: Thales (to be RAN2)

To: SA3

Cc: SA2, RAN3, CT1

**Contact Person:**

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Attachments: None

**1. Overall Description:**

Based on SA3 (see R2-2200149/S3-214360 “Reply LS on UE location aspects in NTN” (CATT)) and SA2 feedbacks (see R2-2203829/S2-2201540 “LS Response to LS on UE location during initial access in NTN” (QC)), RAN2 discussed an alternative solution described here below:

RAN2 assumes a normative solution for user consent framework of TS 33.501 to specifically cover NTN will not be agreed upon in Rel-17 by SA3. In case other methods of obtaining user consent (e.g., subscription based) at NG-RAN would not be possible in Rel-17, RAN2 is then considering the solution where, upon network request, after AS security in connected mode is established, a UE can report a coarse UE location information (X most Significant Bits of its GNSS coordinates with accuracy around 2km level) to the NG-RAN without a new "NTN specific" user consent.

Specifically, RAN2 is considering the implicit user consent approach where:

- in connected mode, the network can request the UE to provide its coarse GNSS coordinates without receiving any prior user consent

- then, if "user consent" is available at the UE, the UE will report the information (implicitly giving the consent). If it's not present, the UE will respond that "no coarse GNSS location available" (implicitly refusing the consent).

RAN2 is requesting SA3 to check if they have any concern.

**2. Actions:**

**To** **SA3, Copy SA2, RAN3, CT1**

**ACTION:** RAN2 respectfully asks SA3 to consider above and provide feedback.

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

TSG-RAN WG2#118- e May 16 – 27th, 2022 Online meeting