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

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. 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) to the NG-RAN without a new "NTN specific" user consent, but where the consent (to send such coarse UE location information) can be based on other methods for Rel-17, e.g. based on NTN subscription.

If no other method will be available for Rel-17, 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

**4. References**

[1] R2-2200149/S3-214360 “Reply LS on UE location aspects in NTN” (SA3, point of contact =CATT)

[2] R2-2203829/S2-2201540 “LS Response to LS on UE location during initial access in NTN” (SA2, point of contact =QC)

[3] R2-220148/S3-214349 ” Reply LS on NTN specific User Consent” (SA3, point of contact =QC))