**3GPP TSG RAN WG2#119bis-e R2-XXXXXXX**

**Online, October 10-19th, 2022**

Title: Latency impact for NTN verified UE location

Response to: -

Release: Release 18

**Work Item:**

Source: RAN2

To: SA1, SA2

Cc: RAN1, RAN3, RAN

**Contact Person:**

Name: Quentin Baradat

E-mail Address: quentin.baradat@thalesaleniaspace.com

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

Attachments: None

**1. Overall Description:**

RAN plenary made a feasibility study, reported in the TR 38.882, on the need for the network to verify the UEs location to within an accuracy of 5 to 10 km in order to comply with regulatory services (e.g. Public Warning System, Charging and Billing, Emergency calls, Lawful Intercept, Data Retention Policy in cross-border scenarios and international regions, Network access).

The TR contains one recommendation for the network to verify the UE location related to latency of services:

*The solution should not impact significantly the latency of the targeted services nor infringe privacy requirements that apply to the UE location.*

Therefore, RAN2 would kindly ask SA1 and SA2 whether they can provide any input on the requirement to “not impact significantly the latency of the targeted services”.

Specifically:

• Is there any constraint on the latency (from trigger to result) of the verification procedure?

• Can the verification procedure be run independently from the targeted services (e.g. in parallel to prevent any set-up delay)? If not, what is the estimate of set-up delay?

**2. Actions:**

**To** **SA1; SA2**

Cc RAN1; RAN3; RAN

**ACTION:** RAN2 would like to respectfully ask SA1 and SA2 to provide some input on the questions above.

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

TSG-RAN WG2#120 November 14th – 18th, 2022 Toulouse, FRANCE

TSG-RAN WG2#121 February 27th – March 3rd, 2023 Athens, GR