**3GPP TSG-RAN WG2 #113-e draft R2-2102036**

**e-meeting, 25th January – 5th February 2021**

Title: [DRAFT] LS to SA2 & SA3-LI about location requirements for NTN

Release: Release 17

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

Source: Thales [to be RAN2]

To: RAN3, SA3-LI

Cc: SA2, SA3

**Contact Person:**

Name: Nicolas Chuberre

Tel. Number:

E-mail Address: nicolas.chuberre@thalesaleniaspace.com

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

Attachments: None

**1. Overall Description:**

As part of the WI NR-NTN-solutions, RAN2 has been discussing the support of LCS in Non-Terrestrial Networks (NTN) which encompass Satellite and HAPS based access networks.

RAN2 would like to further understand requirements applying to LCS in the context of NTN, for example to support regulatory requirements.

* **Question 1: RAN2 would like to ask RAN3 whether finer granularity for UE location information than what is known from cell ID and TAC provided in system information is needed for some NTN which cell size may be larger than the cell size of terrestrial networks.**
* **Question 2: RAN2 would like to ask SA3-LI if, in NTN scenarios, the UE location information in Location Service Response computed either at network side using A-GNSS based on measurements provided by UE, or by UE as defined in TS 38.305, can be considered reliable.**

**2. Actions:**

**To** **RAN WG3 and SA WG3-LI.**

**ACTION:** RAN2 respectfully asks SA2 and SA3-LI to answer the questions above.

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

RAN2#113-bis-e 12th – 20th April 2021 Electronic meeting

RAN2#114-e 19th – 27th May 2021 Electronic meeting

RAN2#115 23th – 27th August 2021 Toulouse, France