**3GPP TSG-SA3 Meeting #104-e *draft\_S3-212725-r4***

**e-meeting, 16 – 27 August 2021**

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

**Response to: LS (S3-212432/R2-2106543) on UE location aspects in NTN**

**Release: Rel-17**

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

**Source: SA3**

**To:** **RAN2**

**Cc: RAN3, SA2, SA3-LI, CT1, RAN1**

**Contact person: Wei Zhou**

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

**Attachments:** none

# 1 Overall description

SA3 would like to thank RAN2 for their LS on UE location aspects in NTN.

If a permanent ID (e.g. SUPI/IMSI) is sent together with the location information, then there is a privacy issue.

There are probably security issues when no permanent ID is sent together with the location information, SA3 needs more technical details of the candidate mechanisms to provide more thorough analysis.

SA3 also notes that there is an integrity issue if the network is relying on location information transmitted with unprotected integrity before AS security is established.

Given the privacy and security concern, SA3 prefers not to let UE transmit unprotected UE location information over the air interface.

# 2 Actions

**ACTION:**

1.To RAN1, RNA2, RAN3, SA2, SA3-LI and CT1: 3GPP TSG SA WG3 would like RAN1, RAN2, RAN3, SA2, SA3-LI and CT1 to take the above feedback into account.

2. To RAN2: SA3 kindly request RAN2 to provide more technical details of the candidate mechanisms for more thorough analysis.

# 3 Dates of next TSG SA WG3 meetings

SA3#105 08 – 12 November 2021 Sophia Antipolis, FR

SA3#106 07 – 11 February 2022 EU