**3GPP TSG RAN WG2#115-e draftR2-2108902**

**Online meeting, August 09-27, 2021**

Title: [Draft] LS on NTN specific user consent for obtaining UE location by gNB

Response to:

Release: Release 17

Source: Qualcomm Inc. [to be RAN2]

To: SA3

Cc: RAN3

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Attachments: None

**1. Overall Description:**

RAN2 has discussed on the need for gNB to obtain UE’s location information for various purposes such as cell ID construction, AMF selection, UL scheduling, measurement configuration, and mobility. RAN2 has made following agreements.

* *After AS security is established, gNB can obtain a GNSS-based location information from the UE using existing signalling method, i.e., by configuring includeCommonLocationInfo in the corresponding reportConfig. It is up to SA3 to decide whether User Consent is required before NW acquires location information from the UE in NTN.*
* *If accepted by SA3, if the gNB has user consent to obtain UE location in NTN, reporting of finer location information/full GNSS coordinates in RRC\_CONNECTED can be supported after AS security is enabled*
* *Periodic location reporting can also be configured by gNB to obtain UE location update of mobile UEs in RRC\_CONNECTED. RAN2 discuss whether it is part of existing periodic measurement report configuration or a new configuration for periodic reporting of UE location.*

RAN2 has also made following working assumption.

* *Event triggered-based UE location reporting are configured by gNB to obtain UE location update of mobile UEs in RRC\_CONNECTED*

RAN2 assumes existing user consent for SON/MDP is not used for other purposes. Therefore, RAN2 would like to ask SA3 to decide whether NTN specific user consent is required before the gNB can configure UE to report the UE location information for the purposes other than SON/MDT.

**2. Actions:**

**To** **SA3 group.**

**ACTION:** RAN2 kindly asks SA3 to decide whether NTN specific user consent is required before the gNB can configure UE to report the UE location information.

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

TSG-RAN WG2#116-e November 1st – November 12th, 2021 Online meeting