**3GPP TSG RAN WG2#121bis-e R2-230xxxx**

**Online meeting: April 17-26, 2023**

Title: [Draft] Reply LS on applicability of SIB19 for NR ATG

Response to: R2-2302438/ R4-2303684

Release: Release 18

Source: Qualcomm Inc. [to be RAN2]

To: RAN4

Cc:

**Contact Person:**

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

Attachments: None

**1. Overall Description:**

RAN2 would like to thank RAN4 for the LS on the applicability of the SIB19 for ATG. RAN2 understands the intention is that ATG BS provides location information to assist UE-based time and/or frequency pre-compensation.

RAN2 will address this and intends to find a solution for Rel-18 (via SIB19 or other SIB). Some companies in RAN2 think sharing exact base station’s location is sensitive. RAN2 kindly asks RAN4 to provide information on the required ATG ground station location accuracy (i.e., uncertainty in exact base station location). Meanwhile, RAN2 would like to know if other information except EphemerisInfo of ntn-Config-r17 in SIB19 also needs to be sent to ATG UE (e.g.,ntn-NeighCellConfigList-r17 in SIB19, cell specific koffset in ntn-Config-r17), please provide the information if any.

**2. Actions:**

**To** **RAN4 group.**

**ACTION:** RAN2 kindly asks RAN4 to provide information on the required ATG ground station location accuracy, and other information to be included in the signalling to the ATG UE, if any.

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

TSG-RAN WG2#122 May 22nd – 26th, 2023 Incheon, South Korea