**3GPP T****SG-RAN WG3 Meeting #117-e R3-225214**

**Electronic Meeting, August 15th – 24th, 2022**

Title: [Draft] LS on SRS-PosRRC-InactiveConfig configuration signalling

Response to: -

Release: Rel-17

Work Item: NR\_pos\_enh

Source: RAN3

To: RAN2

Cc:

**Contact Person:**

Name: Jaemin Han

Tel. Number: -

E-mail Address: jaemin.han@intel.com

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

Attachments:

**1. Overall Description:**

Regarding the deferred Low Power Periodic and Triggered 5GC-MT-LR procedures that RAN2 has defined for UL positioning measurements, RAN3 wonders whether a UE RRC state can be changed during the positioning session in Rel-17 (some example scenarios shown in Annex).

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN3 respectfully asks RAN2 to provide answers accordingly.

**3. Date of Next RAN WG3 Meetings:**

RAN3 Meeting #117bis-e October 10 – 18, 2022 Electronic Meeting

RAN3 Meeting #118 November 14 – 18, 2022 TBD

Annex

LCS event is detected during RRC CONNECTED and LCS event report is sent, and then when the serving gNB receives NRPPa Positioning Information Request message from LMF for UL positioning, the serving gNB may have decided to move the UE to INACTIVE state:





**Figure 1: Low Power Periodic and Triggered 5GC-MT-LR Procedure when event is detected during RRC CONNECTED and LCS event report is sent, then gNB decides to move the UE into INACTIVE**

LCS event is detected during INACTIVE and LCS event report is sent using SDT, and then the serving gNB later may decide to move the UE to RRC CONNECTED state:





**Figure 2: Low Power Periodic and Triggered 5GC-MT-LR Procedure with SDT when event is detected during RRC INACTIVE and then gNB decides to move the UE into RRC CONNECTED**