**3GPP TSG-RAN3 Meeting # 111-e *R3-211121***

**25 January - 05 February 2021**

Title: Reply LS on Latency of NR Positioning Protocols

Response to: Reply LS on Latency of NR Positioning Protocols (R3-207042/ R2-2010873)

Release: Release 17

Work Item: FS\_NR\_pos\_enh

Source: RAN3

To: RAN2

Cc: SA2, RAN, RAN1

**Contact Person:**

Name: Yazid Lyazidi

Tel. Number:

E-mail Address: Yazid.lyazidi@ericsson.com

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

Attachments:

**1. Overall Description:**

RAN3 would like to thank RAN2 for the Reply LS on Latency of NR Positioning Protocols.

RAN3 has reviewed the information provided by RAN2 on delays related to node processing and RAN3 interfaces. RAN3 would like to ask RAN2 to take note of the following points regarding certain latency values:

* There can be network latency variations depending on the deployment distance between gNB and AMF and the backhaul type. For the ideal backhaul, the example of latency in TR 36.932 shows that the latency is less than 2.5 us;
* gNB split architecture adds F1AP processing latency and CU-DU signaling propagation delay;
* One or more network latency components may not be present in certain specific deployments (e.g. CU-DU split, TgNB-AMF could be negligible if gNB and AMF are co-located).

RAN3 kindly asks RAN2 to take the above into account prior to finalizing the Rel-17 study item TR.

**2. Actions:**

**To** **RAN WG2.**

**ACTION:** RAN3 kindly asks RAN2 to take the above into account prior to finalizing the Rel-17 study item TR.

**3. Date of Next RAN3 Meetings:**

RAN3#112-e May 2021 Electronic meeting