**3GPP TSG- Meeting # *R3-214457***

**Online, 16-26 August 2021**

**Title:** Reply LS on Positioning Reference Units

**Response to:** LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R3-213109)

**Release:** Rel-17

**Work Item:** NR\_pos\_enh

**Source:** RAN3

**To:** RAN1, RAN2

**Cc:** SA2

**Contact Person:**

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

**Attachments:**

**1. Overall Description:**

RAN3 thanks RAN1 for the LS on Positioning Reference Units (PRUs). Based on the information given by RAN1, RAN3 discussed PRUs and would like to provide the following feedback:

If the PRU is realized as a UE (from LMF perspective), then RAN3 believes there are no RAN3 specification impacts. Since the PRU may support, at least, some of the Rel-16 positioning functionalities of UE and not necessarily introduce a new network node, some companies believe that this option (UE) is the most appropriate.

Otherwise, if the PRU functionality were to be part of the gNB (from LMF perspective) e.g., realized as a TRP, then RAN3 specification impacts (if any) would require further scoping and evaluation.

**2. Actions:**

**To RAN1 and RAN2**

**ACTION:** RAN3 kindly asks RAN1 and RAN2 to take the above into account.

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

TSG-RAN WG3 Meeting #114-e November 2021 E-Meeting

TSG-RAN WG3 Meeting #114bis-e January 2022 E-Meeting