**3GPP TSG-RAN WG3 #110-e R3-207130**

**2 – 12 November 2020**

Title: LS on Rel-16 NR Positioning Correction

Response to:

Release: Release 16

Work Item: NR\_pos-Core

Source: RAN3

To: RAN2, RAN1

Cc:

**Contact Person:**

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Attachments: -

**1. Overall Description:**

RAN3 has started discussing NR Positioning Rel-16 corrections. RAN3 was not able to conclude on the following topics proposed by some companies and requires some clarifications:

1. Correction of NRPPa periodic UL SRS time transmission:

When the LMF requests for periodic UL SRS to be configured, it could recommend a starting time for the periodic SRS transmission to the serving gNB, and aligning it later with the neighbouring nodes, so that the first UE SRS transmission is not missed.

However some companies have doubt on this proposal due to the impossibility to control the UE bahavior, particularly when the UE starts to transmit.

**Q1: Can RAN2 motivate the feasability and interest of this rel-16 correction?**

**RAN1 is invited to feedback if needed**

1. Inclusion of SRS frequency information Positioning Information Request:

The LMF may request dedicated SRS at particular frequency band for UL positioning. The gNB does not know whether to configure SRS on PCell or SCell without LMF indication.

However some companies have doubt on this proposal is supported in rel-16.

**Q2: Can RAN1 motivate the feasability and interest of this rel-16 correction?**

**RAN2 is invited to feedback if needed**

**2. Actions:**

**To** **RAN WG1 and WG2.**

**ACTION:** RAN3 kindly asks RAN1 and RAN2 to respond to the questions above.

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

RAN3#111-e February 2021 Electronic meeting