**3GPP TSG-RAN WG2 Meeting #125bis R2-240xxxx**

**Changsha, China, 15 – 19 April 2024**

**Title: [DRAFT]** LS on DL-AoD measurements in NR-PRU-DL-Info forwarded to target UE

**Response to:** -

**Release:** Release 18

**Work Item:** NR\_pos\_enh2

**Source:** Nokia [TSG RAN WG2]

**To:** TSG RAN WG1

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

As part of LPP ASN.1 review RAN2 discussed the issue of whether the LMF should forward the NR DL-AoD measurements (*NR-DL-AoD-SignalMeasurementInformation-r16* IE) of the PRU to target UE. Currently, in TS 37.355 v18.1.0, the PRU measurements that are forwarded from LMF to target UE is defined by *NR-PRU-DL-Info-r18* IE and it includes *NR-DL-AoD-SignalMeasurementInformation-r16,* in addition to *NR-DL-TDOA-SignalMeasurementInformation-r16* and *NR-PRU-RSCP-MeasurementInformation-r18*. The *NR-PRU-DL-Info-r18* is signalled to target UE as assistance data for UE-based DL-TDOA positioning. It is not clear to RAN2 why NR DL-AoD measurements needs to be included in *NR-PRU-DL-Info-r18*.

**2. Actions:**

**To RAN1.**

**ACTION:** RAN2 respectfully asks RAN1 to confirm whether LMF should forward the NR DL-AoD measurements (*NR-DL-AoD-SignalMeasurementInformation-r16* IE) of the PRU to the target UE and clarify the use case for forwarding the NR DL-AoD measurements of PRU to target UE.

**3. Date of Next TSG-RAN WG2 Meeting:**

RAN2#126 from 2024-05-20 to 2024-05-24 Fukuoka, Japan

RAN2#127 from 2024-08-19 to 2024-08-23 Maastricht, NL