**3GPP TSG-RAN WG1 Meeting #117 R1-2405510**

**Fukuoka, Japan, May 20 - 24, 2024**

**Title:** Draft reply LS on SL positioning measurement

**Response to:** R1-2403830 (R4-2406386) LS on SL positioning measurements

**Release:** Rel-18

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

**Source:** Huawei [to be RAN1]

**To:** RAN4, RAN2

**Cc:**

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**Attachments:**

**1. Overall Description:**

RAN1 thanks RAN4 for LS on SL positioning measurements.

Regarding the following question raised by RAN4

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| --- |
| • whether it is possible to request and/or report only SL PRS-RSRP or SL PRS-RSRPP for Rel-18 NR SL positioning in general. |

RAN1 confirms requesting and/or reporting only SL PRS-RSRP or SL PRS-RSRPP without any other SL positioning measurements is not supported.

With regards to the mapping between the mandatory measurement and the targeted SL positioning method,

● SL-RSTD is mandatory for SL-TDOA

● SL RTOA is mandatory for SL-TOA

● SL UE Rx - Tx time difference is mandatory for SL-RTT

● at least one of SL AoA/ZoA should be reported for SL-AoA

**2. Actions:**

**To RAN WG4 and WG2:**

**Action:** RAN1 respectfully requests RAN WG4 and WG2 to take account the above information.

**3. Date of Next RAN WG1 Meetings:**

RAN WG1 Meeting#118 August 19th – 23rd 2024 Maastricht, Netherlands

RAN WG1 Meeting#118bis October 14th – 18th 2024 China