3GPP TSG-RAN WG2 #109-e *Draft* R2-2001945

Elbonia, 24th February – 6th March 2020

**Title:** [DRAFT] LS on Additional path reporting with uplink timing measurements

**Release:** Rel-16

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

**Source:** Ericsson [To be RAN WG2]

**To:** RAN3

**Cc:** -

**Contact Person:**

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**Attachments:** none

**1. Overall Description:**

RAN2 has agreed to introduce reporting of additional paths to NR positioning downlink timing measurements, in particular RSTD measurements of DL-TDOA and UE RxTx measurements of multi-RTT. The RAN2 agreements are:

**Agreements:**

Add support for additional path reporting to LPP for timing-based measurements, similar to LTE.

Recommend RAN3 to support timing-based additional path reporting in NRPPa.

Additional path reporting should be equally relevant for NR positioning uplink timing measurements. RAN2 therefore recommends RAN3 to add support to NRPPa for additional path reporting associated to the RTOA and gNB RxTx measurements, including support for up to [4/8/16] paths.

**2. Actions:**

**To RAN3 group.**

**ACTION:** RAN2 kindly ask RAN3 to take the above agreement and recommendation into consideration.

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

TSG-RAN WG2 Meeting #109bis 2020-04-20 to 2020-04-24 Sapporo, Japan

TSG-RAN WG2 Meeting #110 2020-05-25 to 2020-05-29 Athens, Greece