**3GPP TSG-RAN WG4 Meeting #104-e R4-2214354**

**E-Meeting, 15 Aug. 2022 – 26 Aug. 2022**

**Title:** ReplyLS on MTTD for multi-DCI multi-TRP with two TAs

**Response to:** R1-2205593

**Release:** Rel-18

**Work Item:** NR\_MIMO\_evo\_DL\_UL-Core

**Source:** RAN WG4

**To:** RAN WG1

**Cc:**

**Contact Person:**

#### **Name:** Venkatarao Gonuguntla

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**Attachments:** None

**1. Overall description:**

RAN4 thanks RAN1 for the LS on maximum uplink timing difference between the two TAs for multi-DCI multi-TRP with two TAs.

From RAN4 understanding maximum uplink timing difference between the two TAs is same as the maximum transmit timing difference between the two uplink signals. From RAN4 specification perspective, RAN4 specifies the maximum transmit timing difference between two uplink signals as MTTD value in RAN4 specification TS 38.133. In the existing TS 38.133 specification, MTTD requirements are specified for CA and DC scenario. Whether exiting MTTD requirements are applicable for multi-DCI multi-TA scenario or new requirements needs to be developed is currently under discussion in RAN4. We shall update RAN1 once RAN4 has consensus on the MTTD value for multi-DCI multi-TA scenario.

**2. Actions:**

**To RAN4:**

RAN4 kindly requests RAN1 to consider the response above into their future specification work.

**3. Date of Next RAN1 Meetings:**

TSG RAN WG4 Meeting #104bis-e 10 – 19 October 2022 e-Meeting

TSG RAN WG4 Meeting #105-e 14 - 18 November 2022 e-Meeting