**3GPP TSG-RAN WG4 Meeting #104-bis-e R4-2217279**

**E-Meeting, 10 Oct. 2022 – 19 Oct. 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. After RAN4 further discussion, following values are agreed as MTTD values.

For a UE capable of supporting Receive Time Difference (RTD) > CP, MRTD/MTTD value for FR1 is 33/34.6 µs and MRTD/MTTD value for FR2 is 8/8.5 µs.

For a UE not capable of supporting RTD>CP, MTTD is within (CP + M1 µs) for FR1 and MTTD is within (CP + M2 µs) for FR2. Where M1 and M2 are FFS in RAN4.

**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 #105 14 Nov. – 18 Nov. 2022 Toulouse, France

TSG RAN WG4 Meeting #106 27 Feb. – 03 Mar. 2023 Athens, Greece