**3GPP TSG RAN WG2 #121bis-e R2-23xxxxx**

**Online, 17-26, April 2023**

**Title: Draft LS to RAN1 on RAT-dependent positioning integrity**

**Response to:**

**Release:** **Rel-18**

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

**Source: OPPO (to be RAN2)**

**To: RAN1**

**Cc:**

**Contact Person:**

#### Name: Yang Liu

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**Attachments:** none

**1. Overall Description:**

During the RAN2#121-bis-e meeting on RAT-dependent positioning integrity, RAN2 has concluded on one working assumption on LMF-based RAT-dependent integrity:

In addition, RAN2 also has two questions that would like to consult with RAN1

Q1: Whether the beam-related information (Beam Bore-Sight Direction and Beam Antenna Information) are error sources for DL-AOD positioning? If yes, Could RAN1 please also provide the parameters for the Gaussian distribution of these two error sources?

Q2: Whether DNU flag(s) for TRP/UE positioning measurements is needed or not if the above working assumption does not hold?

**2. Actions**

**To RAN1 groups**

**ACTION:** RAN2 respectfully asks RAN1 to provide the feedback on the two questions and the working assumption.

**3. Date of Next RAN2 Meetings:**

TSG RAN WG2 Meeting #122 22 – 26 May Incheon, KR

TSG RAN WG2 Meeting #123 21 – 25 August Toulouse, FR