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

**Athens, Greece, Feb 27th– March 3rd, 2023**

**Title: Draft LS to RAN1 on error source distributions**

**Response to:**

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

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

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

**To: RAN1**

**Cc:**

**Contact Person:**

#### Name: Jianxiang Li

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**Attachments:** none

**1. Overall Description:**

During the discussion on RAT-dependent positioning integrity, RAN2 has reached the following agreement regarding the distribution of error sources:

Agreements:

RAN2 anticipate that the error sources are overbounded by a Gaussian distribution.

RAN2 would like to confirm with RAN1 on the above agreement regarding the distribution of error sources and respectfully ask RAN1 to provide the parameters (mean and standard deviation) for the overbound Gaussian distribution.

**2. Actions**

**To RAN1 groups**

**ACTION:** RAN2 respectfully asks RAN1 to take above agreement into account and provide the parameters for the overbound Gaussian distribution..

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

TSG RAN WG2 Meeting #121bis-e 17 – 26 April, 2023 online

TSG RAN WG2 Meeting #122 22 – 26 May, 2023 Incheon, KR