**3GPP TSG-RAN WG2 Meeting #115-e R2-22xxxxx**

**Electronic meeting, January 17th – 25th, 2022**

**Title: [draft] Response LS on the reporting of the Tx TEG association information**

**Response to: LS on the reporting of the Tx TEG association information (R1-2112968; contact: CATT)**

**Release:** Rel-17

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

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

**To:** RAN WG1, RAN WG3

**Cc:** RAN WG4

**Contact Person:**

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Attachments: -

**1. Overall Description:**

RAN2 thanks RAN1 for the LS on the reporting of the Tx TEG association information.

RAN2 discussed the parameters on Mitigation of UE Rx/Tx timing delays and Mitigation of TRP Rx/Tx timing delays indicated in RAN1 LS (R1-2112976) and found below issues which will be confirmed with RAN1:

1. These two duplicated parameters can be deleted in the RAN1 parameter table:

* numOfUERxTEG-PerPRSResource: duplicated with MeasPRSwithDiffRxTEGs\_Request\_RSTD
* numOfTRPRxTEG-PerPRSResource\_RTOA: duplicated with MeasPosSRSwithDiffRxTEGs\_Request

1. The value range of maxNumOfUE-RxTEG is supposed as 32, rather than 8 in the table
2. The srs-PosResourceSetId is not required in UE TXTEG association report which can be deleted in the table.

Below please find the update from RAN2’s perspective:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sub-feature group** | **Parameter name** | **Description** | **Value range** | **Specification** | **Comment** |
| Mitigation of UE Rx/Tx timing delays | maxNumOfUE-RxTEG | The maximum number of UE-RxTEG | [32 ] | FFS for RAN2 | Agreement:  Support the following parameters and values related to the accuracy enhancement for mitigating UE Rx/Tx and/or gNB Rx/Tx timing errors: The maximum number of UE RxTEGs [for UE-assisted DL TDOA and/or Multi-RTT] [32] The maximum number of UE TxTEGs [for UL-TDOA and/or Multi-RTT] [8] The maximum number of UE-RxTx TEGs [256] |

**2. Actions:**

**To RAN WG1 and RAN WG3 group.**

**ACTION:** RAN2 kindly asks RAN1 and RAN3 to take the above information into account.

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

TSG-RAN WG2 Meeting #117-e February 21 – March 3, 2022 Electronic Meeting

TSG-RAN WG2 Meeting #118-e May 16 – 27, 2022 Electronic Meeting