3GPP TSG RAN WG3 Meeting #127-bis R3-25xxxx

Wuhan, China, 07-11 April, 2025

**Title:** **[Draft] LS on clarification on UE throughput UL/DL at PDCP level**

**Response to:**

**Release: Release 19**

**Work Item: NR\_AIML\_NGRAN\_enh-Core**

**Source: ZTE Corporation (to be RAN3)**

**To: SA5**

**Cc:**

**Contact person: Chen Jiajun**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments: -**

1 Overall description

Regarding the support of AI/ML for NG-RAN in the context of split architecture, and as part of the objectives of the work item NR\_AIML\_NGRAN\_enh-Core, RAN3 has discussed how gNB-CU-CP collects UE throughput UL/DL metrics and reached the following Work Assumption (WA):

*WA: In both split and non-split architectures, UE throughput UL/DL at the PDCP level can be considered for the AI/ML for NG-RAN function in Rel-19.*

According to TS 28.552, RAN3 assumes that the DL UE Buffered Throughput per DRB, as defined in clause 5.1.1.3.7, can be used to measure UE DL throughput at the PDCP level by deriving it from the transmitted PDCP SDU volume over a specific DDDS period. Similarly, RAN3 assumes that a similar metric, such as the received PDCP PDU volume over a certain period, can be used to measure UE UL throughput at the PDCP level.

RAN3 would like to seek confirmation from SA5 on whether it is feasible to measure UE throughput UL/DL at the PDCP level for both split and non-split gNB scenario.

If feasible, SA5 is requested to specify the corresponding UE throughput UL/DL metrics at the PDCP level in the specification accordingly.

2 Actions

**To SA5**

**ACTION: RAN3 kindly ask SA5 to confirm the RAN3’s assumption and provide the feedback as soon as possible.**

3 Dates of next RAN3 meetings

Updated meeting schedule can be found at: <https://portal.3gpp.org/?tbid=373&SubTB=381#/>

TSG-RAN3 Meeting #128 May 19-23, 2025 Malta, MT

TSG-RAN3 Meeting #129 August 25-28, 2025 Bangalore, India