**3GPP TSG-RAN3 Meeting #126 *R3-247775***

**Orlando, US, 18th – 22nd November, 2024**

**Title:** **[Draft] LS on per-UE UE performance metrics**

**Response to:**

**Release: Release 18**

**Work Item: NR\_AIML\_NGRAN**

**Source: RAN3**

**To: SA5**

**Cc: RAN2**

**Contact person: Damiano Rapone**

[**damiano.rapone@huawei.com**](mailto:damiano.rapone@huawei.com)

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

**Attachments:**

1 Overall description

As part of the Rel-18 Work Item on Artificial Intelligence (AI)/Machine Learning (ML) for NG-RAN, RAN3 agreed to specify UE performance metrics in TS 38.423 to be exchanged over the Xn interface from target gNB to source gNB after a handover event occurs.

The specified UE performance metrics are Average UE Throughput DL, Average UE Throughput UL, Average Packet Delay and Average Packet Loss DL. In Rel-18 these UE performance metrics are collected and reported by the target gNB on a per-UE granularity.

For the Average UE Throughput DL and Average UE Throughput UL, RAN3 understanding of clauses 6.3.1.4.1 and 6.3.1.4.2 in TS 28.558, respectively, is that such measurements are already specified to be on a per-UE granularity as it seems by referring to formulas in fields *c)* of the above-mentioned clauses, and not on a per-DRB granularity as it can be deduced by checking the measurement type in field *e)* of the same mentioned clauses.

If the RAN3 understanding is correct, RAN3 would like to refer to the content already specified by SA5 in clauses 6.3.1.4.1 and 6.3.1.4.2 of TS 28.558 for deriving the per-UE Average UE Throughput DL and Average UE Throughput UL.

2 Actions

**To SA5**

**ACTION: RAN3 respectfully asks SA5 to clarify whether the Average UE Throughput DL/UL as specified in clauses 6.3.1.4.1 and 6.3.1.4.2 of TS 28.558 are on a per-UE granularity.**

3 Dates of next RAN3 meetings

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

RAN3#127 2025-02-17 – 2025-02-21 Athens, GR

RAN3#127bis 2025-04-07 – 2025-04-11 China, CN