3GPP TSG-RNGAN WG3 Meeting #116-e R3-213881

E-meeting, 9-19 May 2022

**Title: [draft]Reply LS on Report Amount for M4, M5, M6 and M7 measurements**

**Response to: S5-214523**

**Release: Rel-17**

**Work Item: NR\_ENDC\_SON\_MDT\_enh-Core**

Source: ZTE[to be RAN3]

**To: SA5**

**Cc:**

**Contact person: Man Zhang**

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**Send any reply LS to: 3GPP Liaisons Coordinator, <mailto:3GPPLiaison@etsi.org>**

**Attachments:**

# 1 Overall description

At RAN3#114-e, RAN3 has introduced the report amount IE for M4, M5, M6 and M7 measurements, based on the reply LS from SA5 (S5-214523) and RAN2 (R2-2108966). The value range of the report amount for M4, M5, M6 and M7 measurements in NGAP/XnAP/E1AP/F1AP are set as that of M1 measurement configuration, i.e., ENUMERATED (1, 2, 4, 8, 16, 32, 64, infinity, …). At RAN3#116-e, the following two issues were further discussed:

* Value range extension for report amount

RAN3 has discussed whether the report amount of M4, M5 and M7 should be extended to larger values but made no consensus. The proponents hold the view that since M4, M5 and M7 measurements are enforced by the network, the report amount of them may not necessarily be the same with the measurements related to RRC; with larger report amount, the measurements can be collected more flexibly and more measurement reports would further help with analysis. The recommended value range is ENUMERATED (1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, infinity, ...).

* Introduction of report amount in E-UTRAN

RAN3 has discussed whether the report amount for M4, M5, M6, M7 measurements for E-UTRAN should be introduced in Rel-17 but achieved no consensus. The proponents think it is beneficial to introduce the report amount in MDT measurements, not only for NR but also for LTE. So it was proposed to introduce the report amount IE for M4, M5, M6 and M7 measurements in S1AP and X2AP.

RAN3 would like to ask SA5:

- Whether the extension of report amount for M4, M5 and M7 is necessary and feasible, and if yes, the suggested value range from SA5 point of view.

- Whether addition of report amount for M4, M5, M6 and M7 is feasible and beneficial in E-UTRAN (like it is for NG-RAN).

# 2 Actions

**To SA5**

**ACTION:**

RAN3 would like to ask SA5 to consider the situation and questions above and send feedback to RAN3.

# 3 Dates of next RAN3 meetings

RAN3 #117-e 15-25 August 2022 Electronic Meeting

RAN3 #117-bis-e 10-18 October 2022 Electronic Meeting