3GPP TSG-RAN WG3 #112-e R3-21xxxx

17 - 27 May 2021

Online

**Title: [DRAFT]** LS on how to support the (de)activation of NR QoE

Response to:

**Release:** Rel-17

**Work Item:** NR\_QoE

**Source:** ZTE[TSG RAN WG3]

**To:** SA5

**Cc:** SA2

**Contact Person:**

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

**Attachments:** -

**1. Overall Description:**

RAN3 is discussing how to support the activation of NR QoE and considering whether to reuse Trace Function as in LTE QoE or separating QoE Function from Trace Function, i.e., to introduce a new IE (QoE (De)Activation IE) which is independent of Trace Function.

RAN3 noticed some principles of Trace in TS32.422, which might limit the flexibility of QoE, if reusing Trace for QoE activation:

*“There can only be one Trace Recording Session Reference per Trace Reference at one given time for a UE trace session. So there shall be only one TR/TRSR to be propagated during NG and Xn handover.*

*If the Trace Reference is the same as an existing Trace Session for the same subscriber or equipment, and the Trace Recording Session Reference is the same as the existing Trace Recording Session in the existing Trace Session having the same Trace Reference, the NG-RAN node shall not start a new Trace Recording Session and shall continue with the existing trace session and ignore the second request.*

*If the Trace Reference is the same as an existing Trace Session for the same subscriber or equipment, and the Trace Recording Session Reference is not the same as the existing Trace Recording Session in the existing Trace Session having the same Trace Reference, the NG-RAN node shall continue with the existing trace session and ignore the second request.”*

Based on the specification above, if the Trace Function is reused for QoE activation, the following questions are raised:

Q1: Whether current Trace function can handle the situation that QoE triggerred after legacy trace for one UE, while the legacy trace and/or MDT still need to be kept?

Q2: Whether current Trace function can support multiple QoE activation/deactivation towards one UE at different time?

RAN3 respectfully asks SA5 to feedback on the questions listed above which helps RAN3 made the final decision.

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN3 respectfully asks SA5 to feedback on the questions listed above.

**3. Date of Next TSG-RAN WG3 Meetings:**

TSG-RAN3 Meeting #113-e 17th – 28th August 2021

TSG-RAN3 Meeting #114-e 1st – 12th Nov 2021