**3GPP TSG-RAN2 Meeting #116bis-e *R2-22xxxxx***

Electronical meeting, 17th- 25th January 2022

**Title: [Draft] LS on the specification of AT commands for NR QoE**

**Release:** Rel-17

**Work Item:** NR\_QoE-Core

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

**To:** CT1

**Cc:** RAN3, SA4, SA5

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**Attachments:**

**1. Overall description:**

RAN2 has discussed the configuration and reporting of QoE measurements in NR. In NR, the UE may be configured with multiple QoE measurement configurations using a list (0..15) where each QoE configuration is identified using *measConfigAppLayerId* identifier. When configuring a new QoE measurement, the network sends *measConfigAppLayerId* together with a corresponding QoE configuration container and service type.

At QoE configuration release in Access Stratum, the *measConfigAppLayerId* is indicated by the Access Stratum layer to the application layer to indicate a release of a certain QoE measurement configuration. In addition, AS layer may indicate to upper layers to release all QoE measurement configurations, i.e. without indicating any specific *measConfigAppLayerId*. RAN2 assumes the *serviceType* does not need to be forwarded to the application layer at release as upper layers can identify the impacted applications based on previously received configurations (i.e. the *measConfigAppLayerId*).

At QoE reporting, the *measConfigAppLayerId* and the QoE report container need to be forwarded from the application layer to the AS layer. Afterwards, the UE sends the application layer report container to the network, together with a corresponding *measConfigAppLayerId*.

The AT-commands may in some cases be used by without including the QoE configuration container or the QoE report container.

The existing AT-command for QoE measurements is still being used in LTE.

RAN2 kindly asks CT1 to consider the above in specifying the AT commands for NR QoE in their specifications.

**2. Actions:**

**To 3GPP CT1**

**ACTION:**

RAN2 respectfully asks CT1 to take the above agreements into account and specify the relevant AT-commands for NR QoE in their specifications.

**3. Date of next TSG RAN WG2 meetings:**

RAN2#117 21st February - 3rd March 2022 Online

RAN2#118 16th May - 27th May 2022 Online