**3GPP TSG-RAN WG3 Meeting #114-eR3-216136**

**Online, November 1st – 11th 2021**

**Title:**  [Draft] Support for RAN visible QoE measurements

**Response to:** -

**Release:** Rel-17

**Study Item:** NR\_QOE

**Source:** Ericsson [To be RAN3]

**To:** CT1

**Cc:** -

**Contact Person:**

**Name:**  Filip Barac

**E-mail Address:** filip.barac@ericsson.com

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

**Attachments:** -

**1. Overall description:**

In the legacy QoE management framework (defined for UTRA and E-UTRA), the QoE measurement configuration and the QoE measurement report are delivered from the network to the UE and from the UE to the network, respectively, inside containers (i.e., XML files) whose contents are not visible to the RAN. CT1 has, in the specification TS 27.007, defined the AT commands +CAPPLEVMC and +CAPPLEVMR for delivering the QoE configuration and report containers between the UE AS and the UE Application layer.

In the Rel-17 RAN2/3 Work Item on “NR QoE management and optimizations for diverse services”, RAN3 agreed to support the concept *RAN visible QoE measurements*, where:

* The RAN assembles a RAN visible QoE measurement configuration and delivers it to the UE AS, which then delivers it to the UE Application layer.
* The UE Application layer delivers the RAN visible QoE measurement report to the UE AS, which delivers it to the RAN. The RAN can use the corresponding reports for various types of optimizations.

To enable RAN visible QoE measurements, the RAN visible QoE measurement configuration and RAN visible QoE report need to be delivered between the UE AS and the UE Application layer separately from the XML files containing the legacy QoE measurement configuration and legacy QoE measurement report, either as a separate field in the existing AT commands or in newly defined commands.

**2. Actions:**

**To 3GPP CT1:**

Given that it is necessary to deliver the RAN visible QoE configuration and report between the UE AS and the UE Application layer, RAN3 would like to respectfully ask CT1 to specify the corresponding AT commands.

**3. Date of next TSG RAN WG3 meeting:**

RAN3#114-bis-e January 17th  - 26th 2022 Online