**3GPP TSG-RAN WG3 Meeting #114-eR3-216138**

**Online, November 1st – 11th 2021**

**Title:**  RAN3 agreements on RAN visible QoE

**Response to:** -

**Release:** Rel-17

**Study Item:** NR\_QOE

**Source:** RAN3

**To:** RAN2

**Cc:** -

**Contact Person:**

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**Attachments:** -

**1. Overall description:**

RAN3 has made the following agreements on RAN visible QoE in R3#114e (*agreements below FFS pending CB#QoE5*):

**RVQoE metrics**

Interaction latency or comparable quality viewport switching latency metric is NOT considered as a RAN visible QoE metric in Rel-17

Buffer level is confirmed as a RAN visible QoE metric for DASH and VR service types

Playout delay for media startup is confirmed as a RAN visible QoE metric for DASH and VR service types

**RVQoE configuration**

In split gNB architecture, gNB-CU should generate the RAN visible QoE configuration.

RAN Visible QoE and legacy QoE can be configured together or separately. In case RAN visible QoE is configured separately, it can be configured only after configuring legacy QoE.

NG-RAN can release a list of RAN visible QoE configurations while not releasing the corresponding legacy QoE configurations

If the legacy QoE configuration is released, the corresponding RAN visible QoE configuration is released as well

RAN visible QoE configuration can include at least the RAN visible QoE metrics to be reported, service type and a measurement ID for the RAN visible QoE. Whether existing IEs can be reused for service type and measurement ID and the signaling design is up to RAN2

There is no need to consider Start Time, Duration and Sample Percentage in the RAN Visible QoE configuration in Rel-17

**RVQoE reporting**

RAN3 should discuss whether the existing identified RAN visible QoE metrics (or values if agreed) justifies the need of a separate reporting periodicity for RAN visible QoE

RAN3 should discuss whether having a different reporting periodicity for RAN visible QoE is independent of the RAN2 decision on which SRB to use for RAN visible QoE

**Misc proposals**

NG-RAN can configure RAN visible QoE for only a subset of those metrics which are already configured as part of legacy QoE configuration.

WA: The OAM sends a list of the available RAN visible QoE metrics to the RAN node, outside the legacy QoE configuration container. FFS whether there is a security concern as NG-RAN is informed which legacy QoE metrics were configured by the OAM inside the QoE configuration container

WA: If the legacy QoE configuration is paused/resumed, the corresponding RVQOE configuration is paused/resumed as well

Alignment between radio-related measurements and RVQoE measurements and Per-slice RVQoE can be discussed post progress on the corresponding topics for the legacy QoE.

Agree R3-215547 rev in R3-216040 to introduce a new class-1 message for QoE information transfer over F1. Stage-3 IE details can be FFS.

**2. Actions:**

**To 3GPP RAN2:**

RAN3 respectfully asks RAN2 to consider the above agreements in their corresponding work on RAN visible QoE and to provide specification support for the same.

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

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