**3GPP TSG-RAN WG2 Meeting #117R2-22xxxxx**

**eMeeting, 21st February – 3rd March, 2022**

**Title:** LS on RAN2 agreements on NR QoE

**Response to: -**

**Release:** Rel-17

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

**Source:** RAN2

**To:** CT1, SA4, RAN3, SA5

**Cc:**

**Contact Person:**

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**Attachments:** [RAN2 agreed TS 38.331 CR for NR QoE]

**1. Overall Description:**

RAN2 has discussed NR QoE in RAN2#116b-e and RAN2#117-e meetings, and the WI can be closed from RAN2 point of view. RAN2 agreed TS 38.331 CR is attached.

The following RAN2 agreements may have impacts on AT-commands:

**1-bit indication added in the MeasurementReportAppLayer message is used to indicate session start/stop for each QoE configuration, sent with Meas ID (as other reports).**

**Indication of Session start/stop is configurable per QoE configuration.**

**The following updates have been added in the RRC CR for NR QoE based on LS requests:**

**Configuration of RAN visible periodicity.**

**Signalling of PDU session ID(s).**

**The following confirmed assumptions have been added in the RRC CR for NR QoE:**

**Assumption 1a: RAN2 specifies the maximum number of buffer level entries (ASN.1 value) for each buffer level metric report in one reporting message.**

**Assumption 3: Taking the granularity 10ms for level value as baseline, i.e. integer value 1 corresponds to 10ms, value 2 corresponds to 20ms, and so on.**

**Assumption 4a: Taking the maximum value of 5min as baseline for level value range.**

**Assumption 4b: UE sets the value to 5min if the received level value is more than 5min.**

**Assumption 5: Taking the maximum value 30 seconds as baseline for playout delay for media startup value range.**

**Assumption 6: Taking the granularity 1ms as baseline for playout delay, i.e. integer value 1 corresponds to 1ms, value 2 corresponds to 2ms, and so on.**

**Upper layers are informed of the release of the application layer measurements at RRCSetup (can be done if RRC setup is provided as a response to RRCresumerequest or RRC reestablishmentrequest).**

**At mobility with fullConfig, upper layers are informed of the release of the application layer measurements if no measConfigAppLayerId is indicated by the network.**

**RVQoE configuration can share the same measConfigAppLayerId and service type RRC IEs with legacy QoE configuration.**

**MeasConfigAppLayerId can be used to identify both of associated legacy QoE report and RVQoE report, and it is irrespective whether RVQoE should be reported independently or together with legacy QoE.**

**Forward the measConfigAppLayerId from the application layer to the AS layer together with the QoE report.**

**At lease service type and RRC level ID (Reference ID or shorten ID) together with corresponding QMC configuration container should be included for each QoE configuration in RRCReconfiguration message when the network setups QoE measurement to the UE.**

**At least RRC level ID (Reference ID or shorten ID) together with corresponding QMC report container should be included in MeasReportAppLayer message for each QoE report.**

**2. Actions:**

**To CT1:**

**ACTION:** RAN2 respectfully asks CT1 to consider RAN2 agreements in their future work, especially about the possible impacts on AT-commands listed above.

**To SA4, RAN3, SA5:**

**ACTION:** RAN2 respectfully asks SA4, RAN3, and SA5 to consider RAN2 agreements in their future work.

**3. Date of Next TSG-RAN WG2 Meetings:**

TSG-RAN WG2 Meeting #118-e 16 – 27 May 2022 Electronic

TSG-RAN WG2 Meeting #119 August 2022 Electronic