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

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

**Title:** LS on UE capabilities for NR QoE

**Response to: -**

**Release:** Rel-17

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

**Source:** RAN2

**To:** SA4, CT1

**Cc:**

**Contact Person:**

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**Attachments:** None

**1. Overall Description:**

RAN2 agreed on the following optional UE AS layer capabilities for NR QoE:

* *qoe-Streaming-MeasReport-r17*: Indicates whether the UE supports NR QoE Measurement Collection for streaming services.
* *qoe-MTSI-MeasReport-r17*: Indicates whether the UE supports NR QoE Measurement Collection for MTSI services.
* *qoe-VR-MeasReport-r17*: Indicates whether the UE supports NR QoE Measurement Collection for VR services.
* *ran-VisibleQoE-Streaming-MeasReport-r17*: Indicates whether the UE supports RAN visible QoE Measurement Collection for streaming services.
* *ran-VisibleQoE-VR-MeasReport-r17*: Indicates whether the UE supports RAN visible QoE Measurement Collection for VR services.
* *ul-MeasurementReportAppLayer-Seg-r17*: Indicates whether the UE supports RRC segmentation of the *MeasurementReportAppLayer* message in UL.

Furthermore, RAN2 made the following assumptions on the support of the AS layer capabilities for QoE:

* An AS layer capability related to a service type for QoE will be indicated to network only if the UE supports the concerned capability in the application layer.
* How AS layer obtains the concerned application layer capability is based on UE implementation (with no AS specification impact).

In view of above assumptions, RAN2 would like to ask SA4 and CT1 the following questions:

1. Whether the RAN2 assumptions can be confirmed.
2. Whether it is a valid scenario that the application layer may receive from the AS layer a QoE or RAN visible measurement configuration for a service type that it does not support. And if the answer is yes, then what the application layer behaviour will be.

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**2. Actions:**

**To SA4 and CT1:**

**ACTION:** RAN2 respectfully asks SA4 and CT1 to provide feedbacks on the assumptions and questions above.

**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