**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:**

At RAN2#117-e meeting, RAN2 made the following assumptions:

* RAN2 assumes that AS layer capability will be indicated to network only if the UE is capable also on higher layers
* RAN2 assumes that how AS layer obtain application capability is based on UE implementation (with no AS spec impact).

In addition, RAN2 has agreed the following UE capabilities for NR QoE. It is noted that the table below is from the latest TS 38.306 CR, and there may be some improvements on the wording. For the UE capability parameter like “Per”, “M”, “FDD-TDD DIFF”, “FR1-FR2 DIFF”, the meaning can be found in section 4.2.1 in TS 38.306.

| Definitions for parameters | Per | M | FDD-TDD DIFF | FR1-FR2 DIFF |
| --- | --- | --- | --- | --- |
| ***qoe-Streaming-MeasReport-r17***  Indicates whether the UE supports NR QoE Measurement Collection for streaming services. | UE | No | No | No |
| ***qoe-MTSI-MeasReport-r17***  Indicates whether the UE supports NR QoE Measurement Collection for MTSI services. | UE | No | No | No |
| ***qoe-VR-MeasReport-r17***  Indicates whether the UE supports NR QoE Measurement Collection for VR services. | UE | No | No | No |
| ***ranVisibleQoE-Streaming-MeasReport-r17***  Indicates whether the UE supports RAN visible QoE Measurement Collection for stearming service. | UE | No | No | No |
| ***ranVisibleQoE-VR-MeasReport-r17***  Indicates whether the UE supports RAN visible QoE Measurement Collection for VR service. | UE | No | No | No |
| ***qoe-RRC-Segmentation-r17***  Indicates whether the UE supports UL RRC segementation for QoEeport. | UE | No | No | No |

**2. Actions:**

**To SA4 and CT1:**

**ACTION:** RAN2 respectfully asks SA4 and CT1 to check:

* Whether the RAN2 assumptions are acceptable, and SA4 and CT1 can provide feedbacks if any
* Whether there is any issue when application layer receives non-supported QoE configurations or RAN visible QoE configurations

**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