3GPP TSG-RAN WG2 Meeting #118-e R2-22XXXX

Electronic Meeting, 9 May – 20 May 2022

**Agenda item: 6.14.4**

**Source: CMCC**

**Title: Report for** **[AT118-e][080][QoE] UE capabilities (CMCC)**

**WID/SID: NR\_QoE**

**Document for: Discussion and Decision**

# Introduction

This document captures the following UE capabilities discussion:

* [AT118-e][080][QoE] UE capabilities (CMCC)

Scope: Treat R2-2205944, R2-2204849. Determine agreeable parts. Update CR to reflect agreeable part and agree CR.

Intended outcome: Report, Endorsed CR(s) for merge

Deadline: CB W2 Wed (if needed), CR can be finally agreed in a post-meeting disc.

**Contact List**

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| --- | --- | --- |
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# Discussion

## Minimum memory size for QoE paused measurements report

As suggested in [1], the agreement that minimal memory size of QoE paused measurements report is 64KB should be captured in TS 38.306, as a conditionally mandatory feature without UE radio access capabilities parameters. Therefore, the following change is proposed:

| Features | Condition |
| --- | --- |
| Acquisition of SI messages with explicit SI window positions | It is mandatory to support acquisition of SI messages with explicit SI window positions for UEs which support the SIB types in *schedulingInfoList2* as specified in TS 38.331 [9]. |
| AS layer memory size for QoE paused measurement reports | It is mandatory to support the minimum AS layer memory size of 64KB for QoE paused measurements reports for UEs which support *qoe-Streaming-MeasReport-r17*, *qoe-MTSI-MeasReport-r17* or *qoe-VR-MeasReport-r17*. |

**Q1: Do you agree with the change above？**

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| --- | --- | --- |
| **Company** | **Yes or no** | **Comments** |
| Lenovo | Yes | Proponent |
| Apple | Yes | We are fine to have this addition in order to capture the agreement. |
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Summary:

Proposal:

## Correction on RAN visible QoE

In [2], it is suggested that since RAN3 agreed the RAN visible QoE metrics is a subset of legacy QoE metrics, the dependency of RAN visible QoE and the corresponding legacy QoE should be clarified. And the following changes are proposed:

| 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, see TS 26.247 [29]. | UE | No | No | No |
| ***qoe-MTSI-MeasReport-r17***  Indicates whether the UE supports NR QoE Measurement Collection for MTSI services, see TS 26.114 [30]. | UE | No | No | No |
| ***qoe-VR-MeasReport-r17***  Indicates whether the UE supports NR QoE Measurement Collection for VR services, see TS 26.118 [31]. | UE | No | No | No |
| ***ran-VisibleQoE-Streaming-MeasReport-r17***  Indicates whether the UE supports RAN visible QoE Measurement Collection for streaming services. A UE supporting this feature shall also support *qoe-Streaming-MeasReport-r17*. | UE | No | No | No |
| ***ran-VisibleQoE-VR-MeasReport-r17***  Indicates whether the UE supports RAN visible QoE Measurement Collection for VR services. A UE supporting this feature shall also support *qoe-MTSI-MeasReport-r17*. | UE | No | No | No |
| ***ul-MeasurementReportAppLayer-Seg-r17***  Indicates whether the UE supports RRC segmentation of the MeasurementReportAppLayer message in UL, as specified in TS 38.331 [9]. | UE | No | No | No |

**Q2: Do you agree with the change above?**

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| --- | --- | --- |
| **Company** | **Yes or no** | **Comments** |
| Lenovo | Yes but | In the description of ran-VisibleQoE-VR-MeasReport-r17 the reference to qoe-MTSI-MeasReport-r17 is wrong.  On the actual changes we prefer to say:  ***ran-VisibleQoE-Streaming-MeasReport-r17***  “A UE indicating support of *ran-VisibleQoE-Streaming-MeasReport-r17* shall indicate support of *qoe-Streaming-MeasReport-r17*.”  ***ran-VisibleQoE-VR-MeasReport-r17***  “A UE indicating support of *ran-VisibleQoE-VR-MeasReport-r17* shall indicate support of *qoe-VR-MeasReport-r17*.” |
| Apple | Yes (with correction) | We prefer the original wordings in R2-2205944. However, there is a typo that should be corrected:  ***ran-VisibleQoE-VR-MeasReport-r17***  Indicates whether the UE supports RAN visible QoE Measurement Collection for VR services. A UE supporting this feature shall also support *qoe-~~MTSI~~VR-MeasReport-r17*. |
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Summary:

Proposal:

# Summary

# References

1. R2-2204849 Introduction of AS layer memory size for QoE paused measurement reports, Lenovo
2. R2-2205944 Correction on QoE capabilities dependencies, Huawei, HiSilicon