3GPP TSG-RAN WG3 #113-e R3-21xxxx

16-26 Aug 2021

Online

**Title:** [Draft] Reply LS on QoE configuration and reporting related issues

**Response to:** R2-2106776/R3-213124 LS on QoE configuration and reporting related issues

**Release:** Rel-17

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

Source: CMCC [to be RAN3]

**To:** RAN2, SA4, SA5

**Cc:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** **None**

# 1 Overall description

RAN3 would like to thank RAN2 for the LS on QoE configuration and reporting related issues.

With respect to the questions (related with RAN3) raised in the LS, RAN3’s answers are as follows,

Issue 1: Modify the QoE measurement configuration to UE

RAN2 is discussing QoE configuration signalling support, and RAN2 agreed QoE configuration are encapsulated in a transparent container in the RRC messages. RAN2 does not see the scenario that a QoE measurement configuration already configured in the UE will be modified for e.g., a certain service type or a QoE Reference, and assumes modification is not supported in RRC signalling. RAN2 would like SA5/RAN3 to confirm this assumption.

**Answer**: RAN3 is also discussing the similar issue, and is also waiting for the feedback from SA4 and SA5. From RAN3 perspective, the majority view follows RAN2’s assumption that a way of QoE configuration without modification is preferred for NR QMC.

However, RAN3 is still working on per-slice QoE measurement, on the question of how to handle slice scope change over OAM/NG interface, some companies have concern that if the slice scope change is fulfilled by deactivation of the old measurement and activation of the new measurement (i.e. without modification), such operation may break SA4 requirements on recording session continuity.

Issue 2: Provide multiple QoE measurement configurations for one certain service type

RAN2 is discussing QoE configuration and reporting signalling support, and some companies mention it is possible that multiple QoE measurement configurations can be provided to UE for one certain service type, e.g. different QoE measurement configurations for different slices may be applied to one service type, or different QoE measurement configurations may be applied for different application providers. RAN2 would like to check with SA5/RAN3 whether it is possible to provide multiple QoE measurement configurations for one certain service type?

**Answer:** From RAN3 perspective, it is possible to provide multiple QoE measurement configurations for one certain service type.

Regarding the slice example in Issue 2, the condition is dependent on whether QoE measurement is configured per service type, and whether all slices with the same service type are provided with the same QMC configuration container. RAN3 can confirm that QoE measurement configurations are configured per service type, but RAN3 is unable to confirm that all slices with the same service type will be provided with the same container, so further confirmation from SA WGs is needed.

Regarding the application provider example in Issue 2, from RAN3 perspective, each QoE measurement configuration is associated with a unique QoE Ref and only one QMC CE address. And it is possible that different slices for the same service type are configured with different QMC CE addresses. So in this case, multiple QoE measurement configurations may be provided for a certain service type.

# 2 Actions

**To RAN2**

**ACTION:** RAN3 respectfully asks RAN2 to take the above information into account.

**To SA4, SA5**

**ACTION:** RAN3 respectfully asks SA WGs to provide feedback on whether all slices with the same service type are provided with the same content within the QoE configuration container.

# 3 Dates of next RAN3 meetings

3GPP TSG RAN3#114e 11/2021 E-Meeting

3GPP TSG RAN3#114bis-e 01/2022 E-Meeting