3GPP TSG-RAN WG3 #113-e R3-214409

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.

However, RAN3 would like to further check opinions with SA4 and SA5 on slice scope change. Slice scope is a list of S-NSSAIs that is included in QoE configuration provided by OAM and associated with a unique QoE Reference, and the NG-RAN node will check the criteria (e.g. including area scope and slice scope) to decide whether to send the QoE configuration to the UE. RAN3 would like to know that whether there is a need to support modification in cases of slice scope change.

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. But it’s up to RAN2 and SA5 to make the final confirmation.

Regarding the slice example in Issue 2, the condition is dependent on whether QoE measurement is configured per service type, and whether different 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 different 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 RAN3 assumes it is possible that different slices for the same service type are configured with different QMC CE addresses (to be confirmed with SA5). 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 the following two questions,

- Whether there is a need to support modification in cases of slice scope change.

- Whether different slices with the same service type are provided with the same content within the QoE configuration container.

- Whether it is possible that different slices for the same service type can be configured with different QMC CE addresses.

# 3 Dates of next RAN3 meetings

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

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