3GPP TSG-RAN WG3 Meeting #117-e TDoc <TDoc#>

E-meeting, 15 – 24 August 2022

**Title: [Draft]** **LS to SA4 on R18 enhancement of NR QoE**

**Response to:**

**Release: Rel-18**

**Work Item: NR QoE management and optimizations for diverse services (NR\_QoE\_enh)**

Source: Huawei [will be RAN3]

**To: SA4**

**Cc: RAN2**

**Contact person: Sun jingcong**

**sunjingcong@huawei.com**

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

**Attachments:**

# 1 Overall description

RAN3 would like to inform SA4 that RAN3 has started normative work on R18 enhancement of NR QoE management and optimizations for diverse services, for which RAN3 understands the following objectives should have some SA4 impacts:

1. Specify QoE value
2. Introduce per-slice QoE measurement enhancement.

For the support of QoE value, RAN3 is considering to introduce QoE value (e.g. good/bad/excellent, or one to ten, like VMOS) as indication of transmission quality, for RAN to learn the general service experience. RAN3 also agree that the definition of QoE value is out of RAN3 scope and needs cooperation with SA4, RAN3 would like to ask SA4 to discuss how to define QoE value.

As regards to per-slice QoE measurement enhancement, RAN3 notes that slice ID has been included in the QoE report container, but absent in the QoE configuration container, which may result in the failure of applying QoE measurements to slices indicated by CN/OAM. Thus, RAN3 would like to ask SA4 to consider the related enhancement, e.g., introduce the slice scope information in the QoE configuration container.

# 2 Actions

**To SA4**

**ACTION:**  1. RAN3 would also like to ask SA4 to discuss how to define QoE value.

2. RAN3 would like to ask SA4 to consider introducing slice scope information in the QoE configuration container.

3. RAN3 would appreciate if SA4 could update RAN3 if there is any progress on the two actions above.

# 3 Dates of next RAN3 meetings

Updated meeting schedule can be found at: <https://portal.3gpp.org/?tbid=373&SubTB=381#/>

RAN3#117-bis-e 2022-10-10 - 2022-10-18

RAN3#118 2022-11-14 - 2022-11-18 Canada