3GPP TSG SA WG4#115-e meeting TDoc S4-211132

E-meeting, 18th – 27th Aug 2021

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

**Response to: S4-211059/R2-2106776**

**Release: R17**

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

**Source: TSG SA WG4**

**To: TSG RAN WG2,**

**Cc: TSG RAN WG3, TSG SA WG5**

**Contact person: Qi Pan**

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

**Attachments:** none

# 1 Overall description

3GPP TSG SA WG4 (SA4) would like to thank 3GPP TSG RAN WG2 (RAN2) on the LS on QoE configuration and reporting related issues.

On your questions about the maximum container size for one QoE measurement configuration or report, SA4 would like to give the answers together.

*Issue 3: The maximum container size for one QoE measurement configuration*

*RAN2 assumes to re-use the maximum container size of 1000 bytes for QoE measurements configuration which is the same as in LTE. RAN2 would like SA4 to confirm the assumption.*

*Issue 4: The maximum container size for one QoE report*

*RAN2 discussed how to report QoE measurements in RRC layer, e.g. whether multiple QoE reports could be included in one RRC message. RAN2 discussed whether to re-use from LTE the maximum container size of 8000 bytes for one QoE report and would like to check with SA4 whether the maximum container size for one QoE report could go beyond 8000 bytes in NR?*

The current limits were defined based on the then-existing QoE metrics from the MTSI and Streaming services. While there could be no hard guarantees, it was seen as unlikely that these limits would be exceeded, except for rare cases.

However, more advanced networks, such as NR, makes it even more relevant to use more advanced immersive services, such as Virtual Reality (VR). These services have much more complex metrics (defined in TS 26.118, clause 9), and there is a high risk that both the configuration and the reporting limits might be exceeded.

Unfortunately it is diffcult to specify a certain (higher) limit which would be "safe" for these services, as (especially) the QoE report size is dependent on things like user head movements etc. Thus in principle SA4 would welcome if the limits could be removed in NR, and the new NR functionality of RRC segmentation would instead be used.

# 2 Actions

**ACTION:**

**To** **RAN2**

SA4 kindly asks RAN2 to take the above information into account and provide feedback if any.

# 3 Dates of next TSG SA WG 4 meetings

SA4#116-e 15 – 19 November 2021 E-Meeting

SA4#117 14 – 18 February 2022 Sophia Antipolis, FR