**3GPP TSG-RAN2 Meeting #116bis-e *R2-22xxxxx***

Electronical meeting, 17th- 25th January 2022

**Title: [Draft] Reply LS on maximum container size for QoE configuration and report**

**Reply to:** R2-2109386/S4-211291

**Release:** Rel-17

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

**Source:** Ericsson (to be RAN2)

**To:** SA4

**Cc:** RAN3, SA5, CT1

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**Attachments:**

**1. Overall description:**

RAN2 thanks SA4 for their LS S4-211291 and answers on the maximum container size for one QoE configuration and report.

RAN2 has discussed the maximum sizes of the QoE configuration and report container and made the following agreements:

* The maximum size of one QoE configuration container is 8000 bytes and will be specified in ASN.1 as the maximum size of the OCTET STRING carrying the QoE configuration container.
* For the OCTET STRING carrying one QoE report container the following will be specified:
  + UL RRC segmentation will be supported for the RRC message carrying the QoE report, *MeasurementReportAppLayer*. Hence, in case the UE is capable of RRC segmentation and RRC segmentation is enabled by the network, there can be maximum 16 UL segments of the message, which means that the *MeasurementReportAppLayer* message can carry one or multiple QoE reports up to 144 000 bytes.

RAN2 leaves to SA4 to decide whether to capture the above agreements on the maximum sizes in their specification.

Furthermore, RAN2 is discussing the applicability of UL RRC segmentation for the *MeasurementReportAppLayer* message due to e.g. UE or gNB capability of UL RRC segmentation and its potential impact to application layer. For instance, if UL RRC segmentation is not applied, whether an explicit indication from Access Stratum layer to application layer may be needed so that the application layer can take this indication into account, e.g. in order to avoid sending QoE reports exceeding the maximum size that can be transmitted by the AS layer or for controlling the size of the QoE report container. Therefore, RAN2 has the following questions to SA4:

* In case application layer is informed about the maximum QoE report size that is transmittable by the AS layer, would the application layer be capable of taking this information into account to avoid providing, to AS layer, reports of a size exceeding the maximum size that can be transmitted by the AS layer, or for controlling the size of the QoE report container?

**2. Actions:**

**To 3GPP SA4**

**ACTION:**

RAN2 respectfully asks SA4 to take the above agreements into account and provide feedback to the questions.

**3. Date of next TSG RAN WG2 meetings:**

RAN2#117 21st February - 3rd March 2022 Online

RAN2#118 16th May - 27th May 2022 Online