**3GPP TSG-WG SA4 Meeting #117E e-meeting *S4-220239***

**Elbonia, February 14th – 23rd, 2022**

Title: [DRAFT] LS Reply on RAN visible QoE

Response to: LS (R2-2202026/S4-220191)

Release: Rel-17

Work Item: NR\_QoE-Core

Source: SA4

To: RAN2

Cc: RAN3

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

**1. Overall Description:**

SA4 thanks RAN2 about the LS on RAN Visible QoE. For the assumptions made by RAN2, SA4 provides the following feedback.

* *Assumption 1a: RAN2 specifies the maximum number of buffer level entries (ASN.1 value) for each buffer level metric report in one reporting message.*

[Feedback]: SA4 agrees with the above expectation on Application layer reporting behavior and AS layer can limit the maximum number in one reporting message. However, SA4 notes that RAN2 also need to specify how often buffer level measurements shall be done.

* *Assumption 1c: It is UE implementation on which buffer level entries should be reported for each buffer level metric report when the received number of buffer level entries exceeds the maximum number.*

[Feedback]: That makes sense and SA4 suggests that the Application layer should simply drop any received buffer level entries exceeding the maximum number.

* *Assumption 2a: The time parameter “t” is not reported for each buffer level entry.*
* *Assumption 2b: It is expected that application layer does not send parameter “t” to AS layer.*

[Feedback]: SA4 agrees to support the above expectations on Application layer reporting behavior. The Application layer will remove the parameter “t” before reporting buffer level measurements to the AS layer.

* *Assumption 3: Taking the granularity 10ms for level value as baseline, i.e. integer value 1 corresponds to 10ms, value 2 corresponds to 20ms, and so on.*
* *Assumption 4a: Taking the maximum value of 5min as baseline for level value range.*
* *Assumption 4b: UE sets the value to 5min if the received level value is more than 5min.*

[Feedback]: SA4 agrees with the above expectations on Application layer reporting behavior. The Application layer will set the value to 5 minutes if the measured level value is larger than 5 minutes.

* *Assumption 5: Taking the maximum value 30 seconds as baseline for playout delay for media startup value range.*
* *Assumption 6: Taking the granularity 1ms as baseline for playout delay, i.e. integer value 1 corresponds to 1ms, value 2 corresponds to 2ms, and so on.*

[Feedback]: SA4 agrees with the above expectations on Application layer reporting behavior, and the Application layer will set the playout delay to 30 seconds if the measured delay is larger than 30 seconds.

**2. Actions:**

**To RAN2 group.**

**ACTION:** SA4 asks RAN2 group to take the above responses into account and provide feedback if any.

**3. Date of Next TSG SA WG4 Meetings:**

SA4#118-e 6 – 14 April 2022 E-Meeting

SA4#119-e 11 – 20 May 2022 E-Meeting