**3GPP TSG-RAN WG2 Meeting #121 R2-23xxxxx**

**Athens, Greece, 27th of Feb – 3rd of Mar 2023**

**Title: [DRAFT]** LS on Continuity of QoE measurements during intra-5GC inter-RAT HO

**Response to:**

**Release:** Release 18

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

**Source:** Huawei [RAN2]

**To:** RAN3, SA4

**Cc:** -

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

In the WID RP-223488, the following objective was defined:

* Support the continuity of legacy QoE measurement job for streaming and MTSI service during intra-5GC inter-RAT handover process [RAN2, RAN3].

RAN2#121 had some initial discussions on the objective and made the following agreements:

* 1: RAN2 understanding is that for HO between LTE/5GC and NR, QoE continuity is done in AS layer (rather than APP layer), that means the QoE measurement continuity in application layer may not be guaranteed.
* 2: Agree on the principles of Option 3 and Option 4:

- Option 3: For HO from NR to LTE/5GC, the UE can keep and continue measurements for only one configuration for a service type supported in LTE

- Option 4: For HO from LTE/5GC to NR, the UE can keep and continue measurements for the ongoing configuration for a service type supported in NR

* 3: Option 3 and Option 4 can be worked on in this WI only if there are no impacts to LTE specifications.

RAN2 expects that RAN3 and SA4 can start the work on continuity of QoE measurements, based on the RAN2 agreements.

**2. Actions:**

**To RAN3 and SA4 group.**

**ACTION:** RAN2 respectfully asks RAN3 and SA4 to consider RAN2 agreements in their future work.

**3. Date of Next TSG-RAN2 Meeting:**

3GPP RAN2#121bis from 2023-04-17 to 2023-04-26 Electronic Meeting

3GPP RAN2#122 from 2023-05-22 to 2023-05-26 Incheon , KR