**3GPP TSG-RAN WG3 #121 R3-234711**

**21th – 25th Aug 2023 Toulouse, France**

**Title: Reply LS on area scope for QoE measurements**

**Response to: R2-2306569 LS on area scope for QoE measurements**

**Release: Rel-18**

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

Source: RAN3

**To: RAN2**

**Cc: SA4, SA5**

**Contact person:**

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**Attachments:** None

# Overall description

RAN3 thanks RAN2 for the LS on area scope for QoE measurements.

Regarding the following Question asked by RAN2,

***Q2) RAN2 would also like to ask SA4/SA5/RAN3 whether there is a problem if for UEs in RRC CONNECTED the network performs area scope checking (with Area Scope of QMC) and UE application also performs area scope checking (with LocationFilter) at the same time. It should be noted that area scope management for UEs in RRC CONNECTED in Rel-17 relies on the gNB releasing the QoE configuration when the UE moves out of the applicable area scope.***

**Answer to Q2**:

RAN3 cannot provide answer on whether there is problem for gNB and UE to perform checking at the same time, because RAN3 is unaware of the UE application behaviour if the UE is not in the scope of the LocationFilter. However, RAN3 thinks that, at any given time, area scope checking is performed either by the RAN or by the UE, but not by both at the same time. In particular:

* When a UE is in the RRC\_CONNECTED state, the area scope checking is done by the RAN, based on the Area Scope of QMC IE, in line with the current network behaviour.
* It is confirmed that when the UE is in RRC\_IDLE or RRC\_INACTIVE state, UE performs area scope checking. Whether UE AS layer or application layer performs area scope checking depends on RAN2 and SA4.

# Actions

**To RAN2**

**ACTION:** RAN3 kindly asks RAN2 to take above information into account.

# Dates of next RAN3 meetings

RAN3#121bis 09-13 Oct 2023 Xiamen, CN

RAN3#122 13-17 Nov 2023 Chicago, USA