**3GPP TSG-RAN WG3 Meeting #110-e *R3-206733***

**2 – 12 Nov 2020**

**Title:** TP on the radio related measurements and information as assistance to the NR QoE management functionality

**Source:** Huawei, China Unicom, China Mobile

**Agenda item:** 15.2

**Document Type:** Discussion

# 1. Introduction

This TP to 38.890 tries to reflect the following agreements:

**For RAN triggered measurement as assistance to QoE measurement:**

* Upon reception of QoE measurement from OAM/application layer, RAN is allowed to trigger an assisted RAN level measurement, based on existing mechanism, e.g. MDT procedure;
* This RAN assisted RAN level measurement could be for all service type;
* RAN is allowed to provide assisted info when providing QoE report to application layer/OAM, even the RAN assisted measurement is not triggered over radio;
* RAN assisted info and QoE report could be correlated at application layer/OAM using Trace ID, FFS using other info, e.g. time stamp.

# 2 Reference

1. RP-193256, New SID: Study on NR QoE management and optimizations for diverse services
2. R3-206733, Discussions on the radio related measurements and information as assistance to the NR QoE management functionality Huawei, China Unicom, China Mobile
3. R3-206897, Summary of Offline Discussion on QoE Configuration and reporting, Huawei

# 3 Annex- TPs to be captured in TR

## 6.X RAN assisted measurement

In order for the network to further evaluate and improve the QoE, RAN could also trigger an assisted RAN level measurement towards a certain UE when an QoE measurement request is received from application level, and the RAN assisted measurement result should be sent to application layer, so that the application layer could correlate between QoE measurement result and RAN assisted measurement result, using e.g. trace ID, and evaluate the whole situation from an E2E level.

*Editor’s note: Whether other information, e.g. time stamp could be used for correlation is FFS.*

In addition, even without RAN assisted measurement, RAN is still allowed to collect the radio layer information, e.g. DC or CA configuration and the mobility history information as assisted information, and send these assisted information to the application layer, the application layer could make further analysis and evaluation.

*Editor’s note: FFS whether RAN autonomously triggered QoE measurement (comparing to RAN triggered assisted measurement) is need or not*