**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 Radio-related measurements for QoE

In order for the network to further evaluate and improve the QoE, RAN could also trigger radio-related measurements towards a certain UE, based on the QoE measurement configuration received from the OAM. For triggering the measurements an existing mechanism, e.g. MDT procedure can be used.

The radio-related QoE measurements are reported for all types of supported services, and they include MDT-like measurements and, potentially, additional measurements related to the radio interface. If new radio-related measurements, with respect to what is currently specified in MDT, are required for NR QoE management, these additional radio-related QoE measurements will be specified as a part of MDT measurements. Since the application-related QoE measurements are only collected when the application session is ongoing, the same requirement holds for radio-related QoE measurements, as well.

Besides radio-related measurements, radio-related information may also be reported. The radio-related information may include e.g. the information about features or configuration used to carry the data for an application session, DC or CA configuration and the mobility history information. Radio-related information may be reported even when radio-related measurements are not triggered over the radio.

The radio-related measurement results should be aligned and correlated with the QoE measurement results, using e.g. trace ID.

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