**3GPP TSG-RAN WG3 #110-e R3-207191**

**2-12 November 2020**

**Online**

**Agenda item:** 15.2

**Source:** Samsung, ZTE

**Title:** TP for TR38.890 on Signalling-based signalling for NR QoE

**Document for:** Discussion and Approval

# Introduction

This contribution provides the signaling of signaling-based solution for NR QoE in TR 38.890.

# Text proposal for TR 38.890

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# 6 Potential NR QoE solutions and procedures

Editor note: Description of potential NR QoE solutions and procedures, including but not limited to reuse Trace or MDT Functionality/Framework.

## 6.y Signalling-based procedures(FFS)

### 6.y.x Signalling-based activation procedures

The procedure is used for activating the QoE measurement configured by OAM and triggered by CN shown in figure 6.y-1.

The CN initiates the activation of the QoE measurement configured by OAM, and sends the QoE measurement configuration to the NG-RAN node. The NG-RAN sends the QoE measurement configuration to the UE AS layer if the criteria are meet. UE AS layer sends the QoE measurement configuration to UE application layer.

UE application layer generates the QoE report and sends to the UE AS layer. UE AS layer sends the QoE report to NG-RAN node. Then the NG-RAN node transmits the QoE report to the final destination configured (e.g. TCE/MCE).

Note: the QoE report may also be visible at the NG-RAN node

Management-based QoE measurement shall not overwrite a corresponding signalling-based existing configuration. (FFS)



**Figure 6.y-1**

### 6.y.y Signalling-based deactivation procedures

The procedure is used for deactivating the QoE measurement configured by OAM and triggered by CN shown in figure 6.y-2.

The CN initiates the deactivation of QoE measurement, as configured by OAM, and sends the deactivation indication to the NG-RAN node to indicate which QoE measurement should be deactivated. The UE application layer checks whether there is an ongoing session pertaining to the QMC (according to the SA4 requirements). The measurement can be stopped only if there is no such an ongoing session.

The NG-RAN node sends the deactivation indication to UE AS layer, and then UE AS layer sends the deactivation indication to the UE application layer to perform deactivation QoE measurement.



**Figure 6.y-2**

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