

**Smarter technology for all**

**3GPP TSG RAN Meeting #104  
Shanghai, China, June 17-20, 2024**

**RP-241215**

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**Considerations on further QoE enhancements in Rel-19**

**Lenovo**

# Motivations

## ❖ Rel-18 Leftovers:

- Enhancement for alignment of QoE measurements with radio-related measurements in RRC\_IDLE and RRC\_INACTIVE state;
- Enhancement for alignment of QoE measurements with radio-related measurements in NR-DC;
- Support QMC in RRC\_IDLE and RRC\_INACTIVE for MBS multicast.

## ❖ RVQoE Enhancements:

- RVQoE configuration separation from QoE configuration;
- gNB-DU's participation in initiating the RAN visible QoE ;
- Further enhancements of RAN visible QoE reporting e.g., in mobility case;
- Trigger-based RAN visible QoE measurement initiation and termination;
- Enhancements for reducing RAN visible QoE reporting latency.

# Motivations

## ❖ QMC for new service types:

- XR (AR/MR)
- IIOT (Note: need to check whether it can be a new service type.)

*Note: Coordination with SA4 is needed.*

## ❖ QMC for new use cases:

- Sidelink
- NPN
- NTN

*Note: Coordination with SA4 may be needed.*

# Proposals

## ❖ **Proposal 1: Rel-19 WI on further QoE enhancements is needed with the following potential objectives:**

- Rel-18 leftovers:
  - ✓ Enhancement for alignment of QoE measurements with radio-related measurements in RRC\_IDLE and RRC\_INACTIVE state;
  - ✓ Enhancement for alignment of QoE measurements with radio-related measurements in NR-DC;
  - ✓ Support QMC in RRC\_IDLE and RRC\_INACTIVE for MBS multicast
- Support of RVQoE Enhancements:
  - ✓ RVQoE configuration separation from QoE configuration;
  - ✓ gNB-DU's participation in initiating the RAN visible QoE ;
  - ✓ Further enhancements of RAN visible QoE reporting e.g., in mobility case;
  - ✓ Trigger-based RAN visible QoE measurement initiation and termination;
  - ✓ Enhancements for reducing RAN visible QoE reporting latency.
- Support of QMC for new service types: XR (AR/MR) and IIOT.
- Support of QMC for new use cases: Sidelink, NPN, and NTN.

## ❖ **Proposal 2: RAN discusses and down selects the objectives due to time unit limitation.**

**thanks.**

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