QoS/QoE in future IoT/5G Networks: A Telco transformation infrastructure perspective

Presentation Abstract

The wide disparity in performance, security, and quality requirements that the various IoT verticals will require, as well as the many changes that future 5G Networks will bring, represent a major challenge for telecommunications network infrastructures. At the same time, the operators are in a moment of strong internal transformations, aiming to become "digital service providers", which also entails revisions of concepts, components and functionalities in their Network infrastructures. Considering these scenarios, some issues arise :

1. Which technological choices in terms of Telco Infrastructure made "TODAY" can help "TOMORROW" to ensure adequate QoS / QoE indicators in this extremely dynamic scenario?

2. Considering that "One size does not fit all" how to be ready to deal with these scenarios?

3. What's the plan to handle the increasing data volumes with IoT and 5G?

In this panel, let's talk about some underlying technologies and architectures like: NFV, SDN, MEC, Edge Computing, hypervisors, containers, micro services etc, and how these "components" could be useful to support the future IoT/5G networks considering its "effects" (direct/indirect) in terms of QoS/QoE, with more focus (not only) in CORE infrastructures.