

A Holistic View on Predictive-QoS in Vehicular Networks

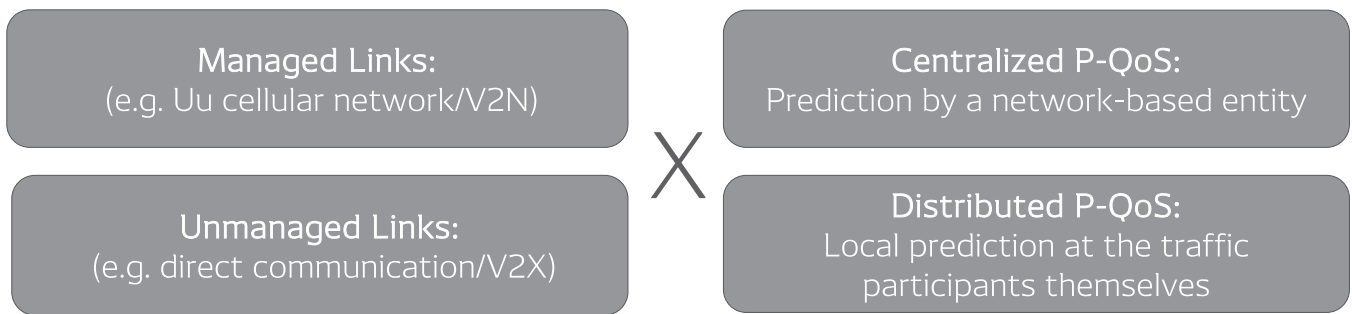
Using QoS prediction to adapt safety communication

Highlights

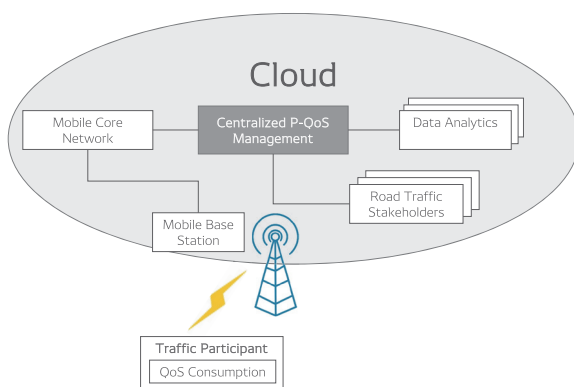
- Prediction of Quality of Service (QoS) for different communication links
- Proactive adaptation of applications to available QoS to ensure safe operation

Configuration

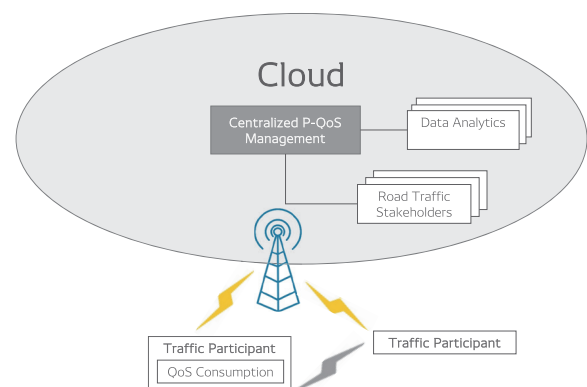
Holistic View on P-QoS in Vehicular Networks



Example: Managed Links, Central Prediction



Example: Unmanaged Links, Central Prediction



Result

- Predictive QoS is applicable to all types of communication links (managed or unmanaged) and can be implemented centralized and/or distributed
- P-QoS has potential improve reliability vehicular communication and thus safety for all road users