



Edge Computing – A few Questions.

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Edge Computing – Questions/Clarifications

- Edge Computing clearly has benefits for a Mobile Carrier
 - Better QOE
 - Lower latency
 - Lesser Traffic on back-bone network
- Are we introducing an Edge-Node/Server?
 - Need one integrated solution (Next Generation Base Station)
 - Need to define formal integration of these edge nodes with RAN
 - Need to define the architecture and any SLA
- Edge Computing needs to be Open
 - No Vendor lock-in
 - Open to innovation and 3rd party apps
 - Security and interoperability
 - Define standards – No proprietary solution
- What is the right balance of Cloud and Edge Computing?
 - What is the right architecture?
 - Intelligent Edge Computing/Analytics/Storage



Edge Computing – Questions/Clarifications

- Have we defined formal integration standards/interfaces with RAN?
- Where do the Core functions reside?
- Move certain CORE functions as part of Edge Computing?
- Do we need new SLA while introducing Edge Computing into our Networks?
- Latency Limits?
- App Portability/Vendor agnostic?
- Have we defined Charging, Privacy, Authentication, Integrity, Interoperability and Management of data at different levels and between various vendors within the edge computing architecture?
- Current solutions from vendors:
 - Who manages the Guest OS/Application – the network operator or application developer?
 - Would every app have a guest OS? Twitter, Spotify, the local power grid operator? Does that introduce QoS concerns for the edge router?
 - Software architecture with many layers – IOS, Hypervisor, IOx; Is it possible to meet real-time delay requirements?

