

QoE: Towards User-Centric Monitoring in Future Networks

Use centric service modeling, monitoring function virtualization, big data

Sergio Beker, Huawei European Research Center

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About Me

Area Leader of Future Carrier Networks, Huawei European Research Center in Munich, Germany.
Member of the group of experts within the QoE competence center, Huawei SmartCare solutions.
Formerly Orange Labs, leading the solution development for QoE and Next-Generation SLA for business services, cloud computing and SaaS.

Career Highlights

Contributing author on Business Aspects of QoE to a Book about QoE under edition (to appear)

Developed innovative service models for QoE assessment, part of the Huawei SmartCare suite.

□ Contributed to the development of innovative troubleshooting techniques for QoE monitoring, part of the Huawei SmartCare suite.





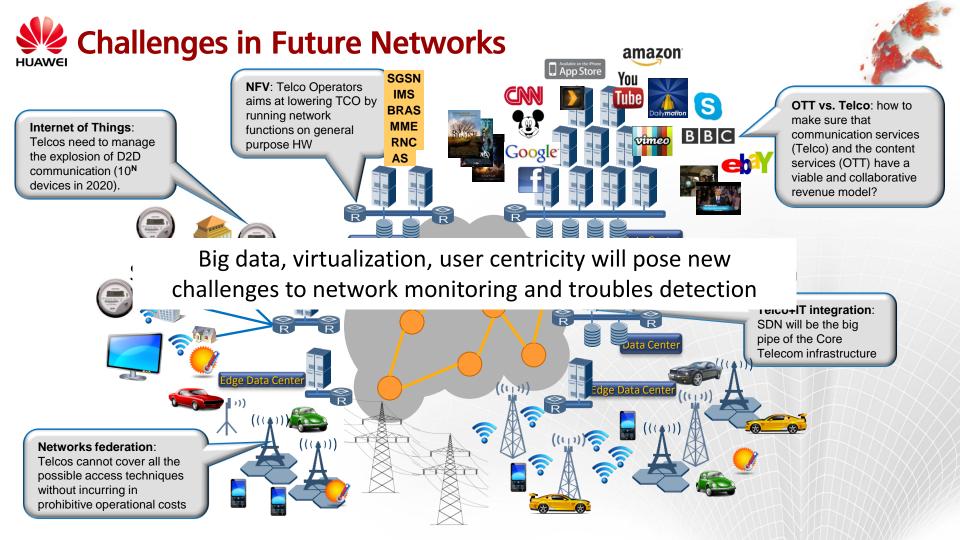
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Sergio Beker, PhD.

Area Leader Future Carrier Networks European Research Centre

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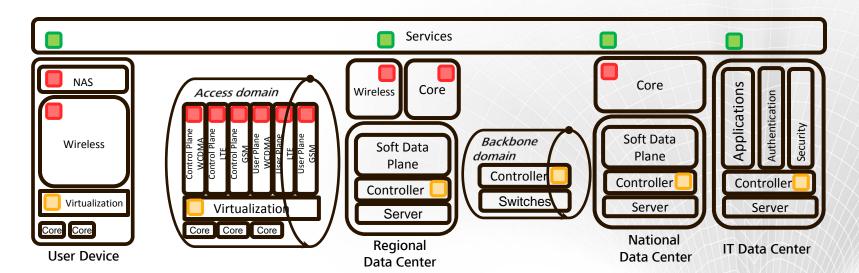
Huawei Technologies Duesseldorf GmbH Riesstr. 25 C-2.0G, 80992 Munich, Germany Tel: +49 89 158834 4361 Mobile: +49 173 4635177 Fax: +49 89 158834 4447 E-Mail: sergio.beker@huawei.com



Distributed monitoring and correlation

- Service monitoring and user experience evaluation (QoE)
- Telco Protocols performance over laaS
- Physical/Virtual resource allocation and availability

How to make sense out of this information? How to make the processing efficient?





Making sense of the Information: challenges



Big data:

- Manage/store huge amount of Detailed Records
- Correlate the information, data mining, root cause identification

Evolve trouble detection paradigms Service Modeling

User Centricity:

- Focus on Customer Satisfaction, which affects billing policies, churn rate etc
- Understanding of overall User Experience

□ Virtualization:

- Mapping network functions over virtual/physical resources
- Migration of network functions

User-centric methodologies Service Modeling

Orchestrate monitoring



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