

# IEEE 2016 CQR

## Emerging Technologies Reliability Roundtable

*Reliability Challenges in the Software Defined Everything Network*

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*Common Platforms & Technology Transformation  
Services*



# *agenda*

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The Future Is Here

SDN & NFV  
Drivers & Implementation

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Open Source  
*Past and Future*

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Open Stack & ECOMP

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Emerging Reliability Model

## ***Discussion Topics***

1. **What does SW defined everything change the network reliability model?**
2. **What kind of network architecture design and capacity planning considerations would help advance SDN/NFV reliability?**
3. **What are the key metrics that can help track and improve the SW Eco-system?**
4. **When ECOMP is becoming more autonomous and an integral part of the network, how do we ensure the reliability of ECOMP itself?**
5. **How do we manage the network and service reliability from ETE point of view when the network will be a hybrid network for the foreseeable future?**
6. **How do we balance extreme fast (sub-seconds & milliseconds) network monitoring and control vs. physical network latency?**
7. **What type of challenges are we facing when we embracing open source, including Open Stack?**
8. **What changes will 5G and emerging super-fast broadband technology bring to reliability concerns?**
9. **As more start ups and smaller technology insurgents make runs and bring forward disruptive ideas in this new eco-system, what kind of challenges we will be facing and how do we manage them?**
10. **What changes will these new and virtualized network services bring to the investment model: from HW based fix/predictable to continuous/incremental (agile software development model of CI/CD) to deliver the expected savings?**
11. **How can we leverage real time data analytics to achieve ETE service reliability objectives?**
12. **How would cyber security and digital interaction change the way we architect and design the new and open SW eco-system?**

