

June 17

Discussion: Quality of Service, Priority and Pre-emption implementation Guide (QIG), Cross-industry Best Practices



13:20 – 13:55



Theatre C



Speaker: Martin Goldberg
Head of Product Management,
Critical Comms - Mobile
Networks, Nokia



- Quality of Service, Priority and Pre-emption (QPP) are fundamental on these shared scenarios to ensure that mission critical users can obtain the necessary resources and deliver their services with the expected level of performance.
- TCCA QPP Implementation Guide (QIG) task force has been developing a QPP Implementation Guide (QIG) outlining the technical best practices for implementing QPP in 3GPP mission critical mobile broadband networks
- Providing the audience with a common industry vision on QPP implementation as developed in the QIG

June 17

***Speech:* Practical Experience on Broadband Network Performance for Mission Critical Communication**



15:30 – 16:00



Theatre C



Speaker: Martin Goldberg
Head of Product Management,
Critical Comms - Mobile
Networks, Nokia



- Field results on mission-critical PTT capacity and performance testing in live cellular broadband networks - including challenging scenarios like performance at cell edge
- Outlook on what add-on considerations will be applicable to further expand mission-critical PTT communications

June 18

***Speech:* Quantum Safe Networks for Critical Communications: Time to Act is Now!**



14:00 – 14:20



Theatre A



Speaker: Giampaolo Panariello
CTO Network Infrastructure,
Nokia



- Critical communications systems must remain secure against emerging threats, including the advent of quantum computing and Quantum-safe networks offer a solution by safeguarding sensitive communications from the vulnerabilities posed by quantum computers-based attacks
- Sharing technologies ensure that the confidentiality, integrity, and availability of critical communications are preserved, even in the face of future quantum threats

June 18

***Panel:* Protecting Critical Communications: Strategies for Cybersecurity and Data Integrity**



14:20 – 15:00



Theatre A



Speaker: Nils Ahrlich
Global Head of Security
Consulting, Nokia



- Exploring the unique cybersecurity challenges facing critical communications networks and the solutions available to secure them
- Exploring the vital role of customised threat intelligence in protecting telecom-specific assets, including the 5G User Plane Function (UPF), Session Management Function (SMF), and Access and Mobility Management Function (AMF)
- Discussing strategies for preventing unauthorized access, data breaches, and cyber espionage, with a focus on state-of-the-art security measures like end-to-end encryption (E2EE), public key infrastructure (PKI), multi-factor authentication (MFA), and advanced network security practices
- Addressing the importance of creating a robust, resilient ecosystem that secures every connection point, ensuring uninterrupted and protected communications

June 18

***Panel:* Delivering Resilient Critical Communications for Critical Utilities Infrastructure & Industrial Applications**



15:45 – 16:15



Theatre C



Speaker: Prakash Sadagopan
Global Leader, Enterprise Business
Cloud and Network Services, Nokia