

ECOC Workshop

Quantum Technologies

- What are the big open questions on the future of quantum technologies
- How can we bring this scientific experiments to costumers

Topics

- Does all that quantum stuff sound too complicated (Sci-Fi) for potential customers - or is that even an asset?
- Is QKD too strong (Government rules)?
- What possible crypto applications can be built on top of QKD?
- What market segments are best aligned with the use of QKD as a potential security technology, and what are the requirements of these potential customers?
- What is the value proposition for potential customers that may want to consider deploying QKD within their network?
- What is the cost (effort) / benefit relation?
- How to introduce gradually a novel security layer in existing or emerging infrastructures?
 - How easy/difficult is it for a new customer to deploy/integrate QKD into an existing network?
- What does it take for the (telecom, governmental, finance sector) users to consider QKD a real application?
 - Multi-user networks – Open networks versus closed networks; Trusted networks versus partial trust
 - Longer distances – Metro scale versus the intercontinental scale
 - Higher bit-rates – is speed everything that matters?

What is the preferred future direction? Or all three directions at once?