



QUANTUM TECHNOLOGIES POLICY AND STANDARDISATION

Seminar Programme

1	Quantum and Space Technologies: The Emerging Landscape Overview of quantum communications, sensing, and timing Role of satellites in secure connectivity Strategic relevance for Europe and Cyprus Quantum Act: Making Europe a quantum industrial powerhouse (Digital Europe Programme)	09:00 -09:45
2	Quantum-Safe Communications in Terrestrial and Satellite Networks QKD architectures: fibre, satellite, and hybrid models	09:45 – 10:30
	Coffee Break	10:30 -10:45
3	PQC migration strategies in Europe Governmental and secure satellite communication use cases	10:45 – 11:30
4	Standardisation Framework for Quantum and Satellite Communications ETSI standards for QKD and quantum networks (e.g. ETSI GS QKD series) ISO/IEC standards for quantum technologies and cryptography (ISO/IEC JTC 3, ISO/IEC 19790 context) ISO/IEC JTC 5 (Space systems and operations) CEN/CENELEC activities supporting secure space communications Interoperability and assurance across ground and space segments	11:30 – 13:00
	Lunch Break	13:00 – 13:45
5	Quantum, Satellite Systems and Artificial Intelligence AI-enabled network management in satellite and quantum systems Policy considerations related to the EU AI Act Quantum Standardisation Coordination: JTC22 and ISO/IEC JTC 3	13:45 – 15:30



	Mandate and scope of CEN CENELEC JTC22 Mandate and scope of ISO/IEC JTC 3	
	Coffee Break	15:30 – 15:45
6	Interaction with ETSI for quantum communications Alignment of European and international quantum standard communications and GOVSATCOM	15:45 -17:00
7	Strategic Positioning for Cyprus European quantum and space roadmaps Emerging standards and technology evolution Opportunities for Cyprus in GOVSATCOM and quantum-enabled satellite services Closing remarks Discussion & Q&A Session	17:00 – 17:15