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(I) (Lunch session talk) Department of National Defence Quantum S&T Strategy

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The DND/CAF is faced with a rapidly evolving defence, safety, and security environment with the emergence of disruptive technologies such as quantum. It is expected that some disruptive technologies, quantum in particular, will have an impact in less than 5 years. Quantum-enabled technologies will have applicability across a wide array of defence applications, such as in sensing (including position, navigation, and timing), communications, computing, and advanced materials. Canada has benefited from early, world-renown strength in quantum technologies. As such, the DND/CAF Quantum Science and Technology Strategy (Strategy) leverages strong national and international partnerships and calls for coherence across departmental investments to accelerate the development of defence-relevant quantum technologies. Enabling Canadian sensitive technologies to develop beyond the laboratory is in the best interest of DND/CAF in order to be prepared for disruptions in the future operating environment. The Strategy also calls for increased quantum internal research capacity and human capital across the department to allow DND/CAF to be in a position to assess, advise, and benefit from allied efforts and face the challenges of the 21st century and beyond.

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