Quantum-Safe Canada (QSC) and the Cybersecurity Research Lab (CRL) at the Toronto Metropolitan University invite you to take part in a tabletop training and research exercise entitled

Quantum-Safe Training – Leadership Series

INTRODUCTION AND PURPOSE

As a professional in an organizational technical and advisory role, you are invited to participate in a joint training and research exercise hosted by Quantum-Safe Canada (QSC) and the Cybersecurity Research Lab (CRL) of the Toronto Metropolitan University. This exercise revolves around organizational preparedness in mitigating the emerging threat of quantum computing to cybersecurity, and the impending transition to quantum-resistant technologies. It will also cover discussions around various aspects of organizational cybersecurity processes and practices, as well as enterprise-wide technology migration initiatives. Note that you do not need to be a cybersecurity professional to participate. In fact, we are looking for a diversity of senior level perspectives on quantum preparedness.

WHAT YOU ARE BEING ASKED TO DO

You are invited to participate in a tabletop training session as well as an individual interview session.

The tabletop training session will involve a scenario-driven group discussion with peer professionals in organizational decision-making/technical advisory roles. The size of the group is capped at 12 to allow for an in-depth discussion. You will engage in a progressive scenario focused on quantum threats to cybersecurity, starting within the current settings and developing through exercise injects that provide new information or require discussion of potential decisions or actions. The session will be facilitated by a senior cybersecurity and management professional with expertise in quantum threats and risks, quantum-safe strategies, technologies, and processes. During the tabletop training session, you will be specifically asked to:

- Assume your current or assigned organizational role,
- Engage in the discussions, think aloud and explain decisions or intended actions,
- Accept scenarios and events at face value, and
- Provide your input to the exercise debrief.

This training session is invitation-only and complimentary. However, participants are required to attend at least one individual interview within a one-month timeframe. The interview session(s) will be individual, conducted virtually, and you will be asked to express your opinions and insights regarding the impacts of quantum threats to cybersecurity and potential mitigations, as well as other general cybersecurity- and technology-related topics.

POTENTIAL BENEFITS

The tabletop exercise is an opportunity to learn about the emerging threats of quantum computing to your organization's assets, e.g., systems and data, and understand its potential risks and impacts. You will learn about the measures that should be in place to mitigate the threat as well as plans, policies, processes, procedures, and other considerations related to the organization's capabilities and capacity to migrate to quantum-safe technologies. The tabletop is designed in a way that it moves your thinking about quantum threats from the abstract to concrete measurable steps and enables you to assess existing preparations and plans relative to what may be required. As part of the exercise, you will also be provided selected resources that enable you to expand your knowledge and understanding of the quantum threat as well as the respective mitigation and preparation requirements. Additionally, you will receive a copy of study findings in the form of a paper that will be submitted for publication in an academic journal.

EXERCISE SETTINGS AND LOGISTICS

The tabletop training session will be held in-person on July 18, from 9am to 12noon. The session is followed by a complimentary on-site lunch.

The interviews will be scheduled based on your availability, before and/or after the training session. Each interview session is estimated to take 1.5 hours.

There is no fee for participation in this training session. Participants are required to attend at least one interview within a one-month timeframe.

HOW YOUR INFORMATION WILL BE PROTECTED AND STORED

This exercise is conducted in a safe environment where issues and problems should be surfaced and discussed candidly. For research purposes, the tabletop and interview sessions will be recorded and transcribed. The recording files will be destroyed once transcribed. In order to protect the identity of the participants, all identifying information will be removed from the transcripts. Your name and contact information will be held in the centrally managed drive with restricted access control. To further protect your information, the transcript files will be protected by two-factor authentication. Only the researchers and training facilitators directly engaged in this exercise will have access to the interview data. Finally, all results and findings will be completely anonymized. When the research is completed, the researchers will keep the anonymized interview transcripts for up to 2 years after the study is over.

QUESTIONS

If you have any questions or concerns, please feel free to reach out to Bill Munson of Quantum-Safe Canada at bill.munson@quantum-safe.ca or Dr. Atty Mashatan of the Cybersecurity Research Lab at amashatan@torontomu.ca.

We would greatly appreciate your participation in this exercise and look forward to hearing from you by July 7, 2023.

Quantum-Safe Canada (QSC) and the Cybersecurity Research Lab (CRL) at the Toronto Metropolitan University

Quantum-Safe Training – Leadership Series

Session 1 – July 18, 2023

CONSENT

Name _____

Email _____

Company _____

Title/ Role _____

Signature _____

Date _____

Please indicate your consent by responding to the following:

☐ I consent to participate in this exercise – tabletop training session and individual interview.

☐ I consent that the tabletop and interview sessions be recorded for the research purposes.