

QUANTUM DAWN SERIES

FORTIFYING FINANCIAL INDUSTRY CYBERSECURITY

Enhance Sector-Level Response Capabilities

The financial industry's ability to withstand and recover from targeted cyber attacks depends on effective communication and strategic decision-making at all levels. The response capabilities and threat-preparedness of individual institutions, in coordination with the sector-level partners and regulators, are essential to preventing a cyber incident from crippling the financial industry.

NUARI is pleased to offer the Quantum Dawn series, which provides institutions unparalleled opportunities to exercise their cyber incident response plans and

strengthen the industry's collective capacity to respond to destructive cyberattacks that affect critical systems at multiple financial institutions. Response team leaders, executives, and information security personnel from institutions across the financial industry train in fully immersive scenarios in distributed environments. An unlimited number of participants can operate from their home locations as they engage in real-time hands-on keyboard exercises that train and test their ability to individually and concertedly mitigate attack impacts, manage crises, and deploy recovery and business continuity protocols.

Strengthen Crisis Management Through Improved Coordination and Communication

Quantum Dawn is made possible by the DECIDE® platform technology, developed under a grant from the Department of Homeland Security. With dynamic new features that heighten interactivity, enrich exercise scenarios, and streamline intuitive user interaction, the DECIDE® Platform provides the unmatched threat simulation experience that defines the Quantum Dawn series.

The DECIDE® Platform's standard-setting technology:

- + Integrates and synchronizes all Quantum Dawn dimensions, including cyber ranges, participating institutions, public sector entities, and participating regulators
- + Facilitates training and evaluation of institutional and industry-level strategic decision-making Quantum Dawn scenarios, enabling participants to rehearse and strengthen incident response plans and sector-level capabilities
- + Captures and visualizes all strategic communications among all exercise participants to provide both unmatched situational awareness during the exercise, as well as critical after-action insights



Quantum Dawn IV

In 2017, Quantum Dawn exercises will focus on strategic communications and inter-firm coordination in the face of a destructive malware attack. Simulating multiple trading days impacted by evolving cyberattacks that have cross-industry impact, Quantum Dawn IV will:



Train industry-level cyberattack response protocols and strategic decision-making, from initial response to crisis containment, to recovery and continuity operations



Exercise industry and public sector's communications protocols and enhance their abilities to circulate clear and consistent messages about their response to cyber incidents and crises



Use CECPP/PPD-41 guidelines to evaluate communication and coordination between industry and the public sector

Levels of Quantum Dawn Series Participation

Financial institutions can select among three levels of participation in the Quantum Dawn series of exercises.

	DECIDE®	DECIDE® and Participant's Cyber Range	DECIDE® and Simulated Cyber Range
Day 1 Participation		+	+
Day 2 Participation	+	+	+
Range Technicians		+	
Roles*	6	6	6
Customized Scenarios	+	+	+
Remote Controller	+	+	+
Video Tutorial	+	+	+
Training 1, 2		+	+
After-Action Analysis	Standard	Custom	Custom

* Additional costs for supplemental roles will apply

History of the Quantum Dawn Series

Over the past five years, NUARI has partnered with the Financial Services Sector Coordinating Council and the Securities Industry and Financial Markets Association (SIFMA) to conduct the Quantum Dawn series of exercises strengthen cyberthreat preparedness and response capabilities across the sector. As demand for the Quantum Dawn series grows, NUARI is in the process of developing additional exercise experiences within the series that will enable more financial institutions to participate more frequently.

To learn more about Quantum Dawn exercises, please contact:

Philip T. Susmann

President, Norwich University Applied Research Institutes
 +1 802-485-2213 | susmann@norwich.edu | DecidePlatform.com

