International Organization of Securities Commissions
IOSCO Asia Pacific Hub
Malaysia

WORKSHOP ON STRENGTHENING CYBER SECURITY AND RESILIENCE

24-25 June 2019
Kuala Lumpur, Malaysia

Overview

The increased adoption of digital technology has opened up new markets and efficiencies but also created new vulnerabilities with Cyber risks being one of the most significant threats to market integrity and investor protection. Responding to Cyber security threats remains a major challenge for regulators and financial entities alike, and they pose a significant risk to the orderly functioning and confidence of markets.

The Workshop seeks to enhance the Cyber resilience and incident response capabilities of IOSCO members in efforts to mitigate exposure to Cyber risks. The speakers, comprising subject matter experts and regulators, will provide insights on the Cyber risk landscape and their experiences in promoting sound Cyber practices. The Workshop will also comprise a Cyber-intelligence exercise that will require participants to analyse their responses to cyber threats and identify areas for further improvement, including developing response and recovery strategies that can be implemented within their respective organisations.

Topics Covered

- Overview of the Cyber risk landscape in financial markets
- Components of an effective Cyber risk management framework
- Cyber threat intelligence and decision making
- Key findings from the IOSCO Cyber Task Force report
- Regulatory approaches to Cyber risk management
- Information-sharing and coordination of Cyber Threats

Workshop participation

The Workshop is designed for mid to senior-level executives. There is no cost to attend the Workshop, and participants will be selected from eligible applicants on a first come, first served basis.

Registration

Please complete and submit your registration form by 17th June 2019. For further information, please contact Azfalyna Aziz at email: Azfalyna@iosco.org.my; tel: +603 6204 8061.

Programme
Day 1

09:15 – 09:30 **Registration**

09:30 – 10:30 **Cyber Risk Landscape**

This session will provide an overview of Cyber and technology risks in financial markets, including approaches used by perpetrators to breach infrastructures, networks and systems. It will include a discussion on actual cyber incidents and their related impact.

Steve Ledzian, Chief Technology Officer – APAC, FireEye

10:30 – 10:50 **Coffee Break**

10:50 – 12:05 **Key Components to promote Sound Cyber Practices**

The session will discuss the key components of an effective Cyber security framework, covering governance, identification, protection, detection and response and recovery. Discussions will include measures to enhance cyber-attack deterrence and incident response and recovery.

Dani Michaux, Chief Information Officer and Head of Emerging Tech Risk & Cyber, KPMG

12:05 – 12:50 **Capacity Development for Cyber Resilience**

The session will discuss measures to enhance capabilities and expertise in cyber security, including supporting organisations' efforts at strengthening cyber resilience as well as building greater industry awareness.

Victor Lo, Head Information Security, Malaysia Digital Economy Corporation

12:50 – 14:00 **Lunch**

14:00 – 15:15 **Cyber Threat Intelligence and Decision Making**

This interactive session will cover hypothetical scenarios relating to Cyber threats that could compromise an organisation's infrastructure, network and systems. Participants will be asked a series of questions, followed by a discussion of effective practices to respond to Cyber security breaches.

Steve Ledzian, Chief Technology Officer – APAC, FireEye

15:15– 15:45 **Coffee Break**

15:45 – 17:00 **Testing Cyber Resilience: Think like a Hacker**

The session will showcase the use of "red teaming" to provide real-world attack simulations designed to assess and improve the effectiveness of an organisation's Cyber security. It will also discuss steps regulators and financial institutions can consider in enhancing Cyber resilience and data integrity.

Steve Ledzian, Chief Technology Officer – APAC, FireEye

Day 2

09:30 – 10:30 **Overview of IOSCO's Cyber Task Force Report**

The session will provide an overview of the recent Report prepared by IOSCO's Cyber Task Force, including its findings on the application of internationally recognised Cyber frameworks (Core Standards) in IOSCO member jurisdictions, how these Core Standards can help address identified gaps in current regimes and some questions that firms and regulators may use to promote awareness of Cyber good practices or enhance their existing practices.

Giles Ward, Senior Policy Advisor, IOSCO

10:30 – 10:50 **Coffee Break**

10:50 – 12:00 **Cyber Risk Management: Regulatory Perspective**

The session will cover SFC Hong Kong's regulatory approach towards Cyber risk management, including developments and experiences in dealing with cyber threats and incidents in Hong Kong.

Kelvin Har, Chief Information Officer, Securities and Futures Commission (SFC) of Hong Kong

12:00 – 13:30 **Lunch**

13:30 – 15:00 **Supervision of Cyber Risk**

The session will discuss elements of Cyber risk oversight practices, ways to strengthen the supervisory approach, resources and processes. It will also discuss key supervisory challenges of Cyber risk and ways to address these challenges.

- *Sarbnedhan Singh Sandhu, Deputy General Manager, Securities Commission Malaysia*
- *Chen Wei, Deputy Director, China Securities Regulatory Commission*

15:00 – 15:20 **Coffee Break**

15:20 – 16:50 **Information-sharing and Coordination of Cyber Threats**

The session will discuss the importance of effective information-sharing of cyber threat intelligence among national and international stakeholders, including examples of information sharing networks and initiatives at the global and domestic level.

- *Sazali Sukardi, Senior Vice President, CyberSecurity Malaysia*
- *Robert Poh, Director, Financial Services Information Sharing and Analysis Center (FS-ISAC), Singapore & Asia*
- *Sivanathan Subramaniam, Risk Specialist (Cybersecurity), Central Bank of Malaysia*

16:50 – 17:00 **Wrap Up and Certificate Presentation**