Training Workshop on Prudential Regulation and Supervision of Cybersecurity
6TH Floor, Africa Training Institute, IMF, Mauritius
July 8-17, 2024

TRAINING OUTLINE

This workshop covers the introduction to both Parts of the initiative and will cover:

Key components and good practice for cyber risk regulations, including: - cyber risk update; - evolution of threats; - regulatory initiatives globally; - introduction to cyber risk regulation; - structure and core components of cyber risk regulation; and - international cybersecurity standards and tools.	**Key components and good practice for cyber risk supervision, including:** - ICT / cyber risk supervision – concepts, components and coverage - Off-site Supervision – Range of information collection, Analysis and Utility - Onsite Supervision of Cyber Risk – People, Processes, Performance - Onsite Supervision – Scoping, Planning, Pre-Inspection activities - Supervisory Insight sessions covering – - Governance - Risk Management - Incident Reporting and responding to them - Data Center - Business Processes - Security Operations Center - BCP arrangements - Third Party / Outsourcing

Case Studies: A set of case studies is developed based on an imaginary country profile and based on types of actual cyber incidents that are generally reported to the authorities. These case studies will be discussed amongst the group in an interactive manner, with participants expected to analyze and present their observations / comments.

Open Forum: The open forum will provide participants with the opportunity to raise any questions or seek any feedback on the course, discuss practical challenges they face in their jurisdictions or seek advice on cyber supervision more generally. The open forum will include all participants and the instructors and will aim to create an environment for sharing and cross-fertilization of ideas and best practices.

Agenda

Monday, July 8 - Day 1		
9.00 – 9.20	**Welcome and Introduction**	*Sukhwinder Singh* *Benjamin Stefanou*
	Course outline and introductions	*Chris Wilson* *Michelle Monsees* *Angelo Van Wyk*
9:20 – 9:30	**Group photo**	*All*
9:15 – 10:30	**L1 – An Introduction to cyber risk: An overview of the cyber threat landscape, a taxonomy of cyber risks and why supervision matters**	*Chris Wilson* *Michelle* Monsees
10.30 – 11.00	**Break**	
11.00 – 12.30	**L2 – Global Regulatory Initiatives: Cybersecurity and Operational Resilience** Overview of the work of global standards setters	*Chris Wilson*
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L3 – Global Cybersecurity Standards and tools: Industry practices and cross-country examples**	*Angelo Van Wyk*
3:00 – 3.30	**Break**	
3.30 – 4.30	**Representatives from each jurisdiction to present an overview of their banking system (Part 1)**	*Representatives from each Jurisdiction*
Tuesday, July 9 – Day 2		
9:00 – 10:30	**Representatives from each jurisdiction to present an overview of their banking system (Part 2)**	*Representatives from each Jurisdiction*
10.30 – 11.00	**Break**	
11.00 – 12.30	**L4 - Structure and core components of cyber risk regulation (Part 1):** Overview of a stylized cybersecurity regulation	*Chris Wilson* *Angelo Van Wyk*
12.30 – 1.30	**Lunch**	

1:30 – 3.00	**L4 - Structure and core components of cyber risk regulation (Part 2):** Overview of a stylized cybersecurity regulation	*Chris Wilson* *Angelo Van Wyk*
3:00 – 3.30	**Break**	
3.30 – 4.30	**L4 - Structure and core components of cyber risk regulation (Part 3):** Overview of a stylized cybersecurity regulation	*Chris Wilson* *Angelo Van Wyk*
Wednesday , July 10 – Day 3		
9:00 – 10:30	**L4 - Structure and core components of cyber risk regulation (Part 4):** Overview of a stylized cybersecurity regulation	*Chris Wilson* *Angelo Van Wyk*
10.30 – 11.00	**Break**	
11.00 – 12.30	**Open Forum: Discussion of cyber risk regulations –** (i) those countries with cyber regulations to compare and contrast; (ii) interaction between cyber and existing IT standards etc.	*All participants and instructors*
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L5 - Onsite Supervision of Cyber Risk – People, Processes, Performance**	*Chris Wilson* *Angelo Van Wyk*
3:00 – 3.30	**Break**	
3.30 – 4.30	**Case Study**	*All participants and instructors*
Thursday July 11 – Day 4		
9:00 – 10:30	**L6 - Offsite Supervision of Cyber Risk**	*Chris Wilson* *Angelo Van Wyk*
10.30 – 11.00	**Break**	
11.00 – 12.30	**Case Study**	*All participants and instructors*
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L7 - Governance aspects of Cyber Risk Management – what to look for?**	*Chris Wilson* *Angelo Van Wyk*
3:00 – 3.30	**Break**	
3.30 – 4.30	**L8 - Supervisory Insights – Data Center and Security Reviews**	*Chris Wilson* *Angelo Van Wyk*

Friday July 12 – Day 5		
9:00 – 10:30	**L9 - Threat intelligence as a cyber risk management tool – what to look for?**	*Michelle* Monsees *Chris Wilson*
10.30 – 11.00	**Break**	
11.00 – 12.30	**L10 - Assessing Security Operations Centers and Incident Response**	*Chris Wilson* Angelo Van Wyk
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L11 - Cyber and Third-Party Risk Management (TPRM)**	*Chris Wilson*
3:00 – 3.30	**Break**	
3.30 – 4.30	**Case Studies**	*All participants and instructors*
Monday July 15 – Day 6		
9:00 – 10:30	**L12 - Business Continuity, Recovery Planning and Operational Resilience**	*Michelle* Monsees
10.30 – 11.00	**Break**	
11.00 – 12.30	**L13 - End-point security for wholesale payment systems – the big picture**	*Michelle* Monsees
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L14 - Tools and Techniques to assess cybersecurity risk for FMIs**	*Michelle* Monsees
3:00 – 3.30	**Break**	
3.30 – 4.30	**Case Studies**	*All participants and instructors*
Tuesday July 16 – Day 7		
9:00 – 10:30	**L15 - Interconnectivity – cross border payments and the implications for cyber resilience**	*Michelle* Monsees

10.30 – 11.00	**Break**	
11.00 – 12.30	**L16 - Cyber Risk and Financial Stability: The Big Picture: cyber risk supervisory concepts, components and coverage**	*Michelle* Monsees
12.30 – 1.30	**Lunch**	
1:30 – 3.00	**L17 - Tackling IT system complexity, fintech and emerging technologies**	*Michelle* Monsees
3:00 – 3.30	**Break**	
3.30 – 4.30	**Case Studies**	*All participants and instructors*
Wednesday July 17 – Day 8		
9:00 – 10:30	**L18 - Cybersecurity maturity assessment**	*Michelle* Monsees
10.30 – 11.00	Break	
11.00 – 12.15	**L19 - Information sharing, incident reporting and testing frameworks**	*Michelle* Monsees
12:15 – 12:30	**Course evaluation survey**	*All participants*
12.30 – 1.30	**Lunch**	
1:30 – 2.30	**Open Forum**	*All participants and instructors*
2.30 – 3.00	**Closing of the Course**	*Sukhwinder Singh* *Benjamin Stefanou*