Supervisory Oversight of Payment Systems and Digital Financial Infrastructure

Dubai (UAE)

9 - 13 May 2027

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Introduction

The rapid evolution of payment systems, financial technology platforms, and digital financial infrastructure has fundamentally reshaped the global financial ecosystem. While these developments improve efficiency, speed, and financial inclusion, they also introduce complex operational, cyber, and systemic risks that require strong and effective supervisory oversight.

The Supervisory Oversight of Payment Systems and Digital Financial Infrastructure course is a specialized five-day program designed for regulators and supervisors responsible for safeguarding the safety, efficiency, and resilience of payment systems and financial market infrastructures. The program equips participants with the regulatory tools, risk assessment methodologies, and supervisory frameworks required to oversee both traditional and digital payment ecosystems effectively.

The course integrates regulatory theory, international standards, supervisory best practices, and real-world case studies, with particular emphasis on cybersecurity, operational resilience, third-party risk, fintech oversight, and cross-border regulatory coordination.

Course Objectives

By the end of this course, participants will be able to:

- Understand the structure and functioning of modern payment systems and digital financial infrastructures.
- Apply international supervisory standards and regulatory frameworks for payment systems oversight.
- Identify, assess, and monitor operational, cyber, and systemic risks within payment ecosystems.
- Evaluate governance, risk management, and internal control frameworks of payment service providers and financial market infrastructures.
- Strengthen supervisory approaches to cybersecurity, data protection, and technology risk.
- Enhance regulatory oversight of fintech firms, payment service providers, and non-bank entities.
- Develop effective supervisory responses to system disruptions, cyber incidents, and emerging risks.

Course Outlines

The course is delivered over five structured training days, with each day addressing a critical supervisory dimension of payment systems and digital financial infrastructure.

Day 1: Payment Systems Landscape and Supervisory Mandate

- Overview of national and cross-border payment systems.
- Key participants include central banks, payment service providers, fintech firms, financial market infrastructures, and third-party service providers.
- Roles and responsibilities of supervisory and regulatory authorities.
- International standards and principles for payment system oversight.

- Legal and regulatory foundations supporting payment system supervision.

Day 2: Risk Management in Payment Systems

- Identification of operational, liquidity, credit, and settlement risks.
- Risk assessment methodologies for payment systems and infrastructures.
- Governance and internal control frameworks for payment service providers.
- Outsourcing arrangements and third-party risk management.
- Supervisory tools and techniques for ongoing risk monitoring.

Day 3: Cybersecurity and Technology Risk Supervision

- Cyber threats and vulnerabilities affecting payment systems and digital platforms.
- Cybersecurity governance models and control frameworks.
- Incident detection, reporting, response, and recovery requirements.
- Data protection, privacy, and system integrity considerations.
- Supervisory assessments of information technology resilience and security programs.

Day 4: Operational Resilience and Business Continuity

- Operational resilience concepts and regulatory expectations.
- Business continuity management and disaster recovery planning.
- Stress testing and scenario analysis for payment systems.
- Managing major disruptions, outages, and systemic incidents.
- Cross-border coordination and information-sharing mechanisms during crises.

Day 5: Regulatory Frameworks, Fintech Oversight, and Future Trends

- Supervision of fintech firms and non-bank payment service providers.
- Licensing, authorization, and ongoing supervisory models.
- Monitoring innovation in real-time payments, digital wallets, and application programming interfaces.
- Balancing innovation, financial inclusion, and financial stability objectives.
- Case studies on supervisory challenges and lessons learned.
- Final review and key success factors for effective payment system oversight.

Why Attend This Course? Wins & Losses!

- Strengthen supervisory capacity over payment systems and digital financial infrastructures.
- Gain practical tools to assess and mitigate cyber, operational, and systemic risks.
- Align supervisory practices with international standards and regulatory expectations.
- Enhance regulatory oversight of fintechs and payment service providers.
- Improve preparedness for managing payment system disruptions and crises.

Conclusion

The Supervisory Oversight of Payment Systems and Digital Financial Infrastructure course provides regulators and supervisors with a comprehensive and practical framework for overseeing modern, technology-driven payment ecosystems. By integrating regulatory standards, risk management methodologies, and real-world supervisory

insights, the program enables participants to protect financial stability while supporting innovation, efficiency, and inclusion in payment systems.

This course is essential for professionals involved in payment system supervision, financial stability oversight, and regulatory policy development within an increasingly digital financial environment.

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