MANAGING SYSTEMIC RISK IN DIGITAL PAYMENTS AND FINANCIAL MARKET INFRASTRUCTURES



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Introduction

Managing Systemic Risk in Digital Payments and Financial Market Infrastructures Training Course prepares central bank, regulator, bank and infrastructure professionals to identify and control risk that spreads across payment systems and market infrastructures. Participants learn how payment systems, clearing houses, settlement systems and digital payment platforms interconnect, and how a failure in one node can reach the wider financial system. The programme covers the PFMI principles, operational resilience, cyber risk, liquidity and credit risk in settlement, and digital payment risk including instant payments and stablecoins. Furthermore, it addresses oversight, recovery and resolution planning and cross-border coordination. As a result, delegates can assess systemic exposure and design controls that protect stability. Gentex Training Center delivers the programme through resilience workshops and oversight case work.

Managing Systemic Risk in Digital Payments and Financial Market Infrastructures Course Objectives

- Explain systemic risk concepts and how risk propagates through financial networks.
- Describe the structure of payment systems, clearing and settlement infrastructures.
- Apply the PFMI principles to financial market infrastructure oversight.
- Assess credit, liquidity, operational and legal risk in settlement systems.
- Apply operational resilience and cyber resilience requirements to infrastructures.
- Evaluate risk in digital payment channels including instant payments and digital assets.
- Analyse concentration, interdependency and single point of failure exposures.
- Design recovery, resolution and continuity plans for critical infrastructures.
- Apply oversight, supervision and regulatory reporting frameworks.
- Assess cross-border coordination and international standards compliance.

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Course Methodology

The course combines expert briefings with resilience workshops and oversight case studies. Participants map an infrastructure network, run a disruption simulation and prepare an oversight assessment. In addition, structured peer review and group debate sharpen regulatory judgement, and each day closes with an applied systemic risk task.

Who Should Take This Course

- Central bank payment and settlement oversight staff.
- Regulators and supervisors of payment and market infrastructures.
- Bank operations, payments and clearing professionals.
- Financial market infrastructure operators and risk managers.
- Cyber security and operational resilience professionals.
- Consultants, auditors and advisers covering payment systems.

Managing Systemic Risk in Digital Payments and Financial Market Infrastructures Course Outlines

Day 1: Systemic Risk and Financial Infrastructure Landscape

- Systemic risk concepts and channels of contagion.
- Payment systems, clearing houses, central securities depositories and trade repositories.
- Digital payment platforms, wallets, instant payments and stablecoins.
- Interconnection between infrastructures, banks and non-bank providers.
- Concentration, interdependency and criticality assessment.

- Historical incidents and lessons from infrastructure failures.
- Workshop: mapping a payment and settlement network and its dependencies.

Day 2: PFMI Principles and Infrastructure Risk Management

- The Principles for Financial Market Infrastructures and their scope.
- Governance, risk management framework and disclosure expectations.
- Credit risk, collateral and margin management in clearing.
- Liquidity risk, settlement banks and intraday liquidity provision.
- Legal risk, settlement finality and default management.
- Participation criteria, access and tiering arrangements.
- Workshop: assessing an infrastructure against PFMI requirements.

Day 3: Operational and Cyber Resilience

- Operational resilience concepts and impact tolerances.
- Business continuity, disaster recovery and service continuity planning.
- Cyber threats, attack surfaces and resilience testing.
- Third-party, cloud and outsourcing risk in payment chains.
- Incident management, escalation and regulatory notification.
- Scenario testing, simulation and lessons-learned processes.
- Workshop: running a disruption simulation for a critical payment service.

Day 4: Digital Payment Risk and Emerging Threats

- Instant payment schemes and 24/7 settlement risk.
- Stablecoin and tokenised settlement arrangements and their risks.

- Fraud, authorised push payment scams and payment system abuse.
- Anti-money laundering and sanctions screening in payment chains.
- Data privacy, access control and consumer protection issues.
- Interoperability, cross-border payments and corridor risk.
- Workshop: assessing risk in a digital payment channel design.

Day 5: Oversight, Recovery and Cross-Border Coordination

- Oversight frameworks, powers and supervisory tools.
- Recovery planning, resolution and critical service continuity.
- Regulatory reporting, data collection and stress testing.
- Cross-border coordination and international standards alignment.
- Cooperation between central banks, regulators and infrastructure operators.
- Building an oversight roadmap and remediation plan.
- Workshop: presenting an oversight assessment and remediation plan before a review panel.

Conclusion

By successfully completing Managing Systemic Risk in Digital Payments and Financial Market Infrastructures Training Course, participants will have acquired the knowledge to identify, assess and control systemic risk in payment and market infrastructures. They will understand contagion channels, the PFMI principles, operational and cyber resilience, digital payment risk and oversight frameworks, and they will know how to design controls that protect financial stability. As a result, delegates strengthen resilience in critical financial infrastructure. Gentex Training Center builds the programme around current oversight and resilience practice.

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FAQs for the Managing Systemic Risk in Digital Payments and Financial Market Infrastructures course

Q1 What is the "Managing Systemic Risk in Digital Payments and Financial Market Infrastructures" course about?

It explains how risk spreads through payment systems and market infrastructures and how it is controlled. You learn contagion channels, the PFMI principles, settlement credit and liquidity risk, operational and cyber resilience, digital payment risk and oversight frameworks, with case work.

Q2 What are the key benefits of the "Managing Systemic Risk in Digital Payments and Financial Market Infrastructures" course?

You gain the ability to assess where a single failure could reach the wider financial system. You also improve resilience planning and testing, strengthen settlement risk controls, prepare more credible oversight assessments, and coordinate responses across institutions and borders.

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Q3 What skills will I gain from the "Managing Systemic Risk in Digital Payments and Financial Market Infrastructures" course?

You will gain systemic risk and interdependency analysis, financial market infrastructure risk assessment, operational and cyber resilience design and testing, and oversight, recovery and cross-border coordination.

Q4 What tools, methods, or standards are covered in the "Managing Systemic Risk in Digital Payments and Financial Market Infrastructures" course?

The course covers the Principles for Financial Market Infrastructures, impact tolerance and operational resilience frameworks, business continuity and disaster recovery planning, cyber resilience testing, third-party and cloud risk management, settlement finality and default management, collateral and margin arrangements, intraday liquidity provision, instant payment and stablecoin risk assessment, and regulatory reporting and stress testing tools.

Q5 How is the "Managing Systemic Risk in Digital Payments and Financial Market Infrastructures" course applied in real-world practice?

Graduates apply it to map infrastructure dependencies, assess credit and liquidity exposure in settlement, design and test resilience scenarios, review third-party and cyber risk in payment chains, prepare oversight assessments and remediation plans, and coordinate with regulators and counterparties on continuity arrangements.