

# International Payment Systems & Policy, Regulation and Governance for Cash-Lite Economy

## 10-Day intensive Program – Outline

### Week-1: International Payment Systems (Excluding Cheques)

#### DAY 1: Foundations of International Payments & Messaging Systems

- Module 1: Overview of International Payment Systems
  - Evolution of International Payments
  - Role of Banks, Correspondent Banks & Financial Institutions
  - Types of International Payment Instruments (Non-Cheque)
  - Payment Flows: Domestic vs Cross-Border
- Module 2: SWIFT Network & Messaging Standards
  - Introduction to SWIFT
  - SWIFT Participants & Message Categories
  - MT vs ISO 20022 MX Messages
  - Message Flow & Processing Lifecycle
  - Case Study: Cross-Border Fund Transfer Using SWIFT MT103
- Module 3: Cross-Border Credit Transfers
  - Customer Credit Transfers
  - Bank-to-Bank Transfers
  - Nostro & Vostro Accounts
  - Value Dating & Cut-Off Times
  - Case Study: Corporate International Payment via Correspondent Banking Network
- Module 4: Fees, Charges & FX in International Payments
  - OUR / SHA / BEN Charges
  - FX Rate Determination
  - Intermediary Bank Charges
  - Common Causes of Payment Delays
  - Case Study: Payment Delay Due to Incorrect Charges & FX Handling

#### DAY 2: Electronic Payment Instruments & Clearing Systems

- Module 5: International Wire Transfers
  - Wire Transfer Processing Flow
  - Straight Through Processing (STP)
  - Common Errors & Repair Handling
  - Rejections, Returns & Investigations
  - Case Study: Wire Transfer Investigation & Repair Scenario
- Module 6: Card-Based International Payments
  - International Credit & Debit Card Payments
  - Card Networks (Visa, Mastercard, Amex)
  - Authorization, Clearing & Settlement
  - Cross-Border Fees & Chargebacks
  - Case Study: Cross-Border Card Transaction Dispute Handling

## DAY 3: Electronic Payment Instruments & Clearing Systems (Continued)

- Module 7: Real-Time & Faster Payment Systems
  - Overview of Real-Time Payments (RTP)
  - International Faster Payment Systems
  - Linkages Between Domestic RTP Systems
  - Challenges in Cross-Border Instant Payments
  - Case Study: Cross-Border Instant Payment via Linked RTP Systems
- Module 8: Emerging Payment Systems & Alternatives
  - Correspondent Banking Alternatives
  - Payment Hubs & Clearing Platforms
  - Blockchain & Distributed Ledger Technology (DLT)
  - Central Bank Digital Currencies (CBDCs)
  - Case Study: Fintech-Based Cross-Border Payment Solution

## DAY 4: Risk, Compliance & Operational Excellence

- Module 9: Risks in International Payment Systems
  - Operational Risk
  - Settlement & Liquidity Risk
  - FX & Counterparty Risk
  - Fraud & Cybersecurity Threats
  - Case Study: International Payment Fraud Attempt & Mitigation
- Module 10: Compliance & Regulatory Requirements
  - AML / CFT in Cross-Border Payments
  - Sanctions Screening & Name Matching
  - KYC Requirements
  - Regulatory Reporting Obligations
  - Case Study: Sanctions Screening Alert in Cross-Border Payment

## DAY 5: Risk, Compliance & Operational Excellence (Continued)

- Module 11: Payment Investigations & Exception Handling
  - SWIFT Investigations (MT199 / MT299)
  - Tracing & Recall of Payments
  - Handling Returns & Amendments
  - Customer Communication Best Practices
  - Case Study: Tracing a Missing International Payment
- Module 12: Future of International Payments & Program Assessment
  - ISO 20022 Global Migration
  - Payment Transparency & Tracking (e.g., SWIFT gpi)
  - Open Banking & APIs
  - Program Review & Knowledge Assessment
  - Practical Group Exercise
  - Case Study: End-to-End Cross-Border Payment Processing & Resolution

## **Week-2: Policy, Regulation & Governance for Cash-Lite Economy**

### **Day-1**

- Module-1: Equip participants with policy tools
  - Central Bank Policy Role
  - Regulatory Frameworks Supporting Cash-Lite Economy
  - Payment Limits & Thresholds
  - Incentives & Disincentives
  - Stakeholder Roles (Banks, FinTechs, Government)
- Case Study:
  - Issuance of a Central Bank Circular to Reduce Cash Usage
  - Operationalization of Cash-Lite Initiatives
- Module-2: Move from policy to implementation
  - Institutional Readiness Assessment
  - Process Re-Engineering
  - Staff Training & Role Changes
  - Customer Migration Plans
  - Exception Handling
- Case Study:
  - Implementing Cash Withdrawal Limits at Bank Counters
  - Technology & Infrastructure Enablers

### **Day-2**

- Module-3: Enable systems-driven migration
  - Core Banking & Payment Switches
  - Interoperability & Payment Gateways
  - Cybersecurity & Data Protection
  - System Availability & Resilience
- Case Study:
  - System Upgrade to Support High-Volume Electronic Payments
- Module-4: Cheque Migration Framework
  - Phased Elimination of Cheques
  - Customer Segmentation & Impact Analysis
  - Exception Handling (Who Still Needs Cheques?)
  - Timelines, Cut-Offs & Transition Policies
- Case Study: Institution-Wide Cheque Phase-Out Plan

### **Day-3**

- Module-5: Alternative Payment Instruments Replacing Cheques
  - Electronic Funds Transfer (EFT)
  - RTGS & High-Value Payments
  - Mobile & Instant Payments
  - Cards & Account-to-Account Transfers
  - Government & Payroll Payments Alternatives
- Case Study: Replacing Corporate Cheques with Electronic Payments

- Module-6: International Payment Processing Operations
  - Front, Middle & Back Office Roles
  - Maker–Checker Controls
  - Payment Queues & Exception Handling
  - Operational KPIs & SLAs

#### Day-4

- Module-7: Cybersecurity & Resilience in Payments
  - Payment System Cyber Threats
  - Business Continuity & Disaster Recovery
  - SWIFT Customer Security Programme (CSP)
  - Incident Response & Reporting
- Module-8: Cheque Migration Framework
  - Phased Elimination of Cheques
  - Customer Segmentation & Impact Analysis
  - Exception Handling (Who Still Needs Cheques?)
  - Timelines, Cut-Offs & Transition Policies
- Case Study: Institution-Wide Cheque Phase-Out Plan

#### Day-5

- Fintech Innovations & Ecosystem
  - Introduction to Fintech: Evolution, Technologies, and Ecosystem
  - Digital Banking, Challenger Banks, and Neobanks
  - Blockchain, Smart Contracts, and Crypto Assets
  - Fintech Risk, Compliance, and Regulatory Sandboxes
  - Insurtech, Regtech, and Wealthtech Overview
- Module-9: Optional add-on:
  - Case studies of successful fintech models (e.g., India's UPI, Kenya's M-PESA)