Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

BANKING INSTITUTE

Training Course on Payment Systems and Oversight

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 25, 2026

Academic & Professional Training Year: 2026

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Training Course on Payment Systems and Oversight

Banking Institute • 5 Days Intensive • Accredited Certification

Course Overview

Training Course on Payment Systems and Oversight equips participants with deep insights into modern payment system architectures, real-time gross settlement systems (RTGS), and oversight principles aligned with international standards such as those from the Bank for International Settlements (BIS) and CPMI-IOSCO.

Key Skills & Software Tools Covered

Payment Systems • Finance • Central Banking • Compliance

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
30 Nov 2026 – 4 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
30 Nov 2026 – 4 Dec 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
30 Nov 2026 – 4 Dec 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
7 Dec 2026 – 11 Dec 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
7 Dec 2026 – 11 Dec 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
14 Dec 2026 – 18 Dec 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**

14 Dec 2026 – 18 Dec 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
14 Dec 2026 – 18 Dec 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
21 Dec 2026 – 25 Dec 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
21 Dec 2026 – 25 Dec 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Training Course on Payment Systems and Oversight

Introduction

In today’s dynamic financial ecosystem, robust payment systems and oversight frameworks are fundamental to maintaining monetary stability, systemic risk control, and efficient financial transactions. As digital payments and financial technologies continue to evolve, central banks must strengthen their regulatory roles and supervisory practices to foster secure and resilient national payment infrastructures. Training Course on Payment Systems and Oversight equips participants with deep insights into modern payment system architectures, real-time gross settlement systems (RTGS), and oversight principles aligned with international standards such as those from the Bank for International Settlements (BIS) and CPMI-IOSCO.

The course bridges theory with hands-on experience by exploring key elements such as digital currency integration, cross-border payment innovations, and cyber resilience strategies. Through real-world case studies, peer discussions, and expert-led modules, central banking professionals will enhance their capability to assess risks, implement policy measures, and oversee both traditional and emerging payment instruments. This is a must-attend program for anyone involved in shaping the future of payments.

Course Objectives

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

- Analyze the structure and functionality of national payment systems.
- Understand key oversight principles in accordance with global standards.
- Evaluate systemic risks in retail and wholesale payment environments.
- Apply policies and tools for payment system regulation.
- Examine the integration of central bank digital currencies (CBDCs).
- Assess cybersecurity threats and resilience planning in payment systems.
- Compare real-time gross settlement systems (RTGS) with other clearing models.
- Design oversight frameworks for emerging payment service providers.
- Interpret compliance metrics for risk-based oversight.
- Explore interoperability and innovation in cross-border payments.
- Monitor fintech impacts on legacy payment infrastructures.

- Build contingency strategies for payment system disruptions.
- Implement data-driven oversight using real-time monitoring tools.

Target Audience

- Central bank payment system analysts
- Financial market infrastructure supervisors
- Monetary policy advisors
- Bank regulators and compliance officers
- IT professionals in central banking
- Legal and risk teams within regulatory bodies
- Central bank economists
- Payment innovation and fintech integration officers

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Payment Systems

- Understanding retail vs. wholesale payment systems
- Core components of national payment infrastructure
- Principles for financial market infrastructures (PFMIs)
- Roles and responsibilities of central banks
- Challenges in traditional clearing systems
- Case Study: Evolution of India’s Unified Payments Interface (UPI)

Module 2: Oversight Frameworks and Regulatory Standards

- Regulatory objectives in payment systems oversight
- BIS/CPMI-IOSCO standard frameworks
- Legal underpinnings for effective oversight
- Cross-border regulatory harmonization
- Risk-based oversight tools
- Case Study: The European Central Bank’s TARGET2 oversight structure

Module 3: Real-Time Gross Settlement (RTGS) Systems

- Architecture and functioning of RTGS systems
- Liquidity management in RTGS environments
- Comparison with net settlement systems
- Operational risk in RTGS platforms
- Enhancing system efficiency
- Case Study: Modernization of the Fedwire Funds Service in the USA

Module 4: Emerging Payment Technologies and Fintech

- Role of APIs and digital wallets
- Open banking and instant payments
- Impact of fintech disruptors on traditional systems
- Regulatory sandbox approaches
- Inclusion through digital channels
- Case Study: M-Pesa’s regulatory adaptation in Kenya

Module 5: Cybersecurity and Resilience in Payment Systems

- Threat identification and vulnerability mapping
- SWIFT security controls and best practices
- Cyber incident response protocols
- Importance of redundant infrastructure
- Aligning with global cybersecurity frameworks
- Case Study: Cyber-attack and recovery plan at the Bangladesh Bank

Module 6: Central Bank Digital Currencies (CBDCs)

- CBDC design models: retail vs wholesale
- Monetary policy implications
- Interoperability with legacy systems
- Privacy, identity, and data governance
- Legal and operational risks
- Case Study: China’s e-CNY pilot project and oversight implications

Module 7: Cross-Border Payment Systems and Interoperability

- Challenges in cross-border transactions
- ISO 20022 implementation and messaging standards
- International regulatory cooperation
- FX settlement risk mitigation
- Instant cross-border remittances
- Case Study: Project Nexus by BIS Innovation Hub

Module 8: Data Analytics and Real-Time Monitoring

- Using AI and analytics in oversight
- Payment data governance and reporting
- Key performance indicators (KPIs) in oversight
- Dashboards and alert systems
- Role of supervisory technology (SupTech)
- Case Study: Central Bank of Brazil’s use of Pix analytics for oversight

Training Methodology

- Interactive lectures by industry experts and senior policymakers
- Real-world case study analysis and problem-solving sessions
- Simulation exercises and group activities
- Hands-on exposure to oversight and monitoring tools
- Peer learning through structured discussions and panels

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/training-course-on-payment-systems-and-oversight to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.