



*Training Course:
Fraud Prevention and Detection in Central Bank
Digital Currencies (CBDCs)*

*3 - 7 January 2027
Cairo (Egypt)*

Training Course: Fraud Prevention and Detection in Central Bank Digital Currencies (CBDCs)

Training Course code: SC234986 From: 3 - 7 January 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

With the growth of digital currencies, the risks of fraud and financial crime have increased. Central bank digital currencies CBDCs have the potential to offer significant benefits to users, but also present unique challenges for fraud prevention and detection. This training program focuses on the techniques and tools for preventing and detecting fraud in digital currencies, with a specific focus on CBDCs.

Objectives

The objectives of this training program are as follows:

- To provide participants with a thorough understanding of the techniques and tools for preventing and detecting fraud in digital currencies, including transaction monitoring, anomaly detection, and machine learning.
- To introduce participants to the unique risks and challenges associated with CBDCs and their implications for fraud prevention and detection.
- To equip participants with the necessary skills and knowledge to identify and mitigate potential fraud risks in CBDC systems.
- To enable participants to develop effective fraud prevention and detection strategies for CBDCs.

Target Audience

The target audience for this training program includes:

- Central bank officials and policymakers responsible for developing and implementing CBDCs.
- Risk management professionals and compliance officers in financial institutions involved in digital currency markets.
- Regulators and auditors responsible for overseeing digital currency markets.
- Business executives and entrepreneurs in digital currency-related industries.
- Researchers and academics interested in the intersection of fraud prevention and detection and digital currencies.

Outlines

Day 1: Introduction to Fraud Prevention & Digital Currencies

- Understanding digital currencies and their key use cases
- Common types of fraud in digital currency environments
- Key challenges in fraud prevention and detection within CBDC systems
- Regulatory and legal frameworks governing fraud prevention in digital currencies

Day 2: Fraud Detection Techniques & Tools

- Transaction monitoring and analysis techniques
- Anomaly detection and pattern recognition methods
- Application of machine learning in fraud detection
- Blockchain analytics and network analysis tools for fraud prevention

Day 3: Fraud Prevention in CBDC Systems

- Specific fraud risks and challenges in CBDC environments privacy, scalability, complexity
- Best practices for fraud prevention and detection in CBDC systems
- Case studies of successful fraud detection implementations in CBDCs
- Evaluation of fraud prevention technologies for CBDC ecosystems

Day 4: Mitigating Fraud Risks in Digital Currency Markets

- Overview of the digital currency ecosystem exchanges, wallets, service providers
- Risk management strategies including KYC and AML frameworks
- Compliance requirements for digital currency businesses
- Assessment of fraud prevention solutions in broader digital currency markets

Day 5: Simulation, Practice & Expert Insights

- Interactive simulations for identifying and mitigating fraud risks
- Group exercises for developing fraud prevention strategies in CBDC and digital currency systems
- Practical application of detection tools and techniques
- Q&A session with industry experts on fraud prevention in digital currencies

Registration form on the Training Course: Fraud Prevention and Detection in Central Bank Digital Currencies (CBDCs)

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