ISO 20022 Implementation for Banks Training Course

Professional Development Training Course Outline

Category	Banking Institute	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The global financial industry is undergoing a significant transformation with the adoption of ISO 20022, the universal financial messaging standard that enables digital payments, real-time payments, financial interoperability, structured data, compliance automation, and cross-border transaction modernization. Financial institutions are implementing ISO 20022 to improve payment processing efficiency, AML compliance, fraud detection, regulatory reporting, data quality, customer experience, straight-through processing (STP), and operational resilience. As central banks, SWIFT, and payment market infrastructures migrate to ISO 20022, banks must equip their workforce with the knowledge and technical capabilities required for successful implementation and regulatory compliance.

ISO 20022 Implementation for Banks Training Course is designed to provide banking professionals with practical knowledge of ISO 20022 migration strategies, payment message formats, XML messaging, CBPR+, SWIFT standards, digital banking transformation, payment modernization, API integration, financial data governance, cloud banking, AI-driven compliance, cybersecurity, and enterprise implementation frameworks. Through real-world banking case studies, hands-on workshops, implementation roadmaps, and industry best practices, participants will gain the expertise required to successfully plan, execute, govern, and optimize ISO 20022 implementation projects within commercial banks, central banks, investment banks, fintech organizations, and payment service providers.

Programme Curriculum

ISO 20022 Implementation for Banks Training Course

Introduction

The global financial industry is undergoing a significant transformation with the adoption of ISO 20022, the universal financial messaging standard that enables digital payments, real-time payments, financial

interoperability, structured data, compliance automation, and cross-border transaction modernization. Financial institutions are implementing ISO 20022 to improve payment processing efficiency, AML compliance, fraud detection, regulatory reporting, data quality, customer experience, straight-through processing (STP), and operational resilience. As central banks, SWIFT, and payment market infrastructures migrate to ISO 20022, banks must equip their workforce with the knowledge and technical capabilities required for successful implementation and regulatory compliance.

ISO 20022 Implementation for Banks Training Course is designed to provide banking professionals with practical knowledge of ISO 20022 migration strategies, payment message formats, XML messaging, CBPR+, SWIFT standards, digital banking transformation, payment modernization, API integration, financial data governance, cloud banking, AI-driven compliance, cybersecurity, and enterprise implementation frameworks. Through real-world banking case studies, hands-on workshops, implementation roadmaps, and industry best practices, participants will gain the expertise required to successfully plan, execute, govern, and optimize ISO 20022 implementation projects within commercial banks, central banks, investment banks, fintech organizations, and payment service providers.

Course Duration

10 days

Course Objectives

Upon completion of this training, participants will be able to:

1. Understand the ISO 20022 global financial messaging standard and payment ecosystem.
2. Develop an ISO 20022 migration roadmap aligned with digital transformation strategies.
3. Interpret and implement SWIFT CBPR+ messaging standards.
4. Design secure cross-border payment modernization solutions.
5. Apply structured financial data for enhanced analytics and compliance.
6. Implement real-time payment systems using ISO 20022 standards.
7. Improve Straight Through Processing (STP) and payment automation.
8. Strengthen AML, KYC, sanctions screening, and fraud detection using enriched data.
9. Integrate API banking, Open Banking, cloud platforms, and fintech ecosystems with ISO 20022.
10. Manage enterprise-wide implementation projects using governance and risk management frameworks.
11. Optimize regulatory reporting, operational resilience, and cybersecurity in payment infrastructures.
12. Evaluate business continuity, testing strategies, and implementation best practices.
13. Lead organizational payment modernization initiatives supporting digital banking innovation.

Target Audience

- Banking Operations Managers
- Payment Operations Specialists
- Digital Banking and Transformation Leaders
- SWIFT and Payment System Administrators
- IT Architects and Solution Engineers
- Risk, Compliance, AML, and Financial Crime Professionals
- Project Managers and Business Analysts
- FinTech, Central Bank, and Payment Service Provider Professionals

Course Modules

Module 1: Introduction to ISO 20022

- Evolution of financial messaging standards
- ISO 20022 business justification
- Global payment modernization
- Financial messaging architecture
- **Case Study:** SWIFT global migration to ISO 20022

Module 2: ISO 20022 Message Structure

- XML message formats
- Business components
- Message definitions
- Payment message architecture
- **Case Study:** MT to MX message transformation

Module 3: Payment Systems and Infrastructure

- RTGS systems
- Instant payments
- ACH modernization
- Cross-border payments
- **Case Study:** Central bank payment modernization

Module 4: SWIFT CBPR+ Implementation

- CBPR+ guidelines
- Cross-border payments
- Message translation
- Interoperability framework
- **Case Study:** International bank migration project

Module 5: Migration Planning and Strategy

- Readiness assessment
- Gap analysis
- Migration roadmap
- Change management
- **Case Study:** Tier-1 bank migration strategy

Module 6: Data Governance and Data Quality

- Structured financial data
- Data mapping
- Data governance
- Master data management
- **Case Study:** Improving payment data quality

Module 7: Compliance and Regulatory Reporting

- AML integration
- KYC enhancements

- Sanctions screening
- Regulatory reporting
- **Case Study:** ISO 20022 compliance transformation

Module 8: Fraud Detection and Risk Management

- Transaction monitoring
- AI-driven fraud detection
- Financial crime analytics
- Risk management frameworks
- **Case Study:** Payment fraud prevention using ISO 20022

Module 9: API Banking and Open Banking Integration

- API architecture
- Open Banking standards
- Digital ecosystems
- Integration frameworks
- **Case Study:** API-enabled payment transformation

Module 10: Core Banking System Integration

- Legacy system integration
- Middleware solutions
- Enterprise architecture
- System interoperability
- **Case Study:** Core banking modernization

Module 11: Cloud and Digital Banking

- Cloud migration
- SaaS banking
- Hybrid infrastructure
- Digital banking platforms
- **Case Study:** Cloud-enabled payment processing

Module 12: Testing and Validation

- Functional testing
- User acceptance testing
- Performance testing
- Regression testing
- **Case Study:** Enterprise ISO 20022 testing program

Module 13: Cybersecurity and Operational Resilience

- Payment security
- Cyber risk management
- Business continuity
- Disaster recovery
- **Case Study:** Cyber resilience in payment infrastructures

Module 14: Project Governance and Change Management

- PMO governance
- Stakeholder management
- Agile implementation
- Benefits realization
- **Case Study:** Global banking transformation governance

Module 15: Future Trends and Industry Best Practices

- Artificial Intelligence in payments
- Machine learning analytics
- CBDCs and digital currencies
- ISO 20022 future roadmap
- **Case Study:** Future-ready digital payment ecosystem

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

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 Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
07 Sep 2026	18 Sep 2026	Online	$2,000
07 Sep 2026	18 Sep 2026	Physical	$3,000
14 Sep 2026	25 Sep 2026	Online	$2,000
14 Sep 2026	25 Sep 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Online	$2,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
28 Sep 2026	09 Oct 2026	Online	$2,000
28 Sep 2026	09 Oct 2026	Physical	$3,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com