

ADVANCED ISO 20022 & SWIFT MX MESSAGING



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TRAINING CENTER



Introduction

The Advanced ISO 20022 & SWIFT MX Messaging Training Course prepares payments professionals to work confidently with the new global messaging standard. ISO 20022 replaces legacy MT formats with rich, structured XML messages that carry far more data per transaction. This migration reshapes payment processing, reconciliation, sanctions screening, and reporting across the financial industry. The course explains the ISO 20022 data model and then works through real SWIFT MX messages used in live traffic. Furthermore, it covers migration planning, mapping from MT, testing, and coexistence. As a result, participants can implement and support ISO 20022 payments end to end.

Advanced ISO 20022 & SWIFT MX Messaging Course Objectives

- Explain the structure, governance, and scope of the ISO 20022 standard.
- Interpret the ISO 20022 data dictionary and message components.
- Identify key MX messages including pacs, pain, camt, and head series.
- Map legacy MT messages to their ISO 20022 MX equivalents.
- Apply the CBPR usage guidelines for cross-border payments.
- Construct and validate MX messages using XML schemas.
- Analyse the richer data available for reconciliation and reporting.
- Assess impacts on sanctions screening, AML, and compliance checks.
- Plan migration, coexistence, and testing activities.
- Design operational controls for ISO 20022 payment flows.

Course Methodology

- Interactive lectures with real MX message samples and live payment flows.

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- Hands-on exercises building and validating pacs and camt messages.
- MT-to-MX mapping workshops using the CBPR guidelines.
- Simulated payment processing and exception handling scenarios.
- Structured peer discussion with facilitator feedback on migration challenges.

Who Should Take This Course

- Payments operations and processing specialists.
- Bank messaging, SWIFT, and connectivity officers.
- Business analysts supporting payment system projects.
- Reconciliation, liquidity, and cash management staff.
- Compliance and financial crime screening professionals.
- IT developers and testers working on payment platforms.

Advanced ISO 20022 & SWIFT MX Messaging Course Outlines

Day 1: Foundations of ISO 20022

- Origins, governance, and role of the ISO 20022 Registration Authority.
- The ISO 20022 metamodel: messages, components, and elements.
- The data dictionary and business concepts.
- Message definition reports and the repository.
- XML syntax versus legacy MT syntax.
- Real-time payments, SEPA, TARGET2, and CHAPS adoption.
- Case study: how ISO 20022 changes the cross-border payment chain.





Day 2: Core MX Message Families

- The pain series: payment initiation messages.
- The pacs series: clearing and settlement messages.
- The camt series: cash management and statement messages.
- The head series for reference data.
- Message identifiers and end-to-end references.
- Party, agent, and account identification structures.
- Workshop: building a pacs.008 customer credit transfer.

Day 3: MT to MX Migration and CBPR

- The SWIFT MT to MX migration programme and timeline.
- The CBPR usage guidelines and translation rules.
- Field mapping from MT103, MT202, and MT940 to MX equivalents.
- Structured versus unstructured postal address transition.
- Handling characters, codes, and truncation issues.
- Coexistence periods and translation services.
- Workshop: mapping an MT103 payment to pacs.008.

Day 4: Validation, Testing, and Exception Handling

- XML schemas, validation rules, and business rule checks.
- MyStandards and read-only usage guideline review.
- Test strategy, certification, and pilot processing.
- Exception handling, repairs, returns, and recalls.
- Reconciliation using camt.053 and camt.054.

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- Liquidity and intraday reporting with camt messages.
- Workshop: validating an MX message and resolving errors.

Day 5: Compliance, Controls, and Operational Readiness

- Richer data and its effect on sanctions screening.
- AML, KYC, and payment transparency requirements.
- Straight-through processing and reference data quality.
- Operational controls, monitoring, and audit trails.
- Training, change management, and vendor readiness.
- Roadmap for full ISO 20022 adoption.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Advanced ISO 20022 & SWIFT MX Messaging, participants will gain a solid understanding of the ISO 20022 data model, MX message families, MT-to-MX migration, validation, and operational controls. They will also acquire practical skills in building and validating MX messages, mapping legacy formats, and planning migration. In addition, the course prepares them to support ISO 20022 payment flows with confidence. Gentex Training Center delivers this programme with a strong focus on real payment operations and measurable readiness improvement.

FAQs for Advanced ISO 20022 & SWIFT MX Messaging course





Q1 What is the "Advanced ISO 20022 & SWIFT MX Messaging" course about?

It is a five-day programme on the global ISO 20022 messaging standard and its SWIFT MX implementation. It covers the data model, MX message families, MT-to-MX migration, CBPR guidelines, validation, testing, and the operational impact on payment processing and compliance.

Q2 What are the key benefits of the "Advanced ISO 20022 & SWIFT MX Messaging" course?

Participants gain working knowledge of the messages that will carry most payment traffic, which reduces migration risk and processing errors. The course also improves straight-through processing rates, strengthens reconciliation and compliance screening, shortens testing cycles, and helps teams plan coexistence and cutover with far fewer surprises.

Q3 What skills will I gain from the "Advanced ISO 20022 & SWIFT MX Messaging" course?

Participants gain ISO 20022 data model and message interpretation, MX message construction and validation, MT-to-MX mapping using CBPR guidelines, and migration planning, testing and exception handling. These four skills cover the practical work of running ISO 20022 payment flows.



Q4 What tools, methods, or standards are covered in the "Advanced ISO 20022 & SWIFT MX Messaging" course?

The course covers the ISO 20022 standard and data dictionary, the pacs, pain, camt and head MX message series, the CBPR usage guidelines, SWIFT MT103, MT202 and MT940 mapping, XML schemas and validation rules, MyStandards, end-to-end and message identifiers, structured postal address rules, returns and recalls handling, and camt.053 and camt.054 reconciliation reporting.

Q5 How is the "Advanced ISO 20022 & SWIFT MX Messaging" course applied in real-world practice?

Participants apply the standard directly to payment operations. They build and validate MX messages, map legacy MT traffic, design test cases, handle exceptions and repairs, reconcile using camt statements, and adjust screening rules for richer data. Many leave with a migration roadmap and mapping templates for their own institution