Capgemini Customised Course Contents

Course Title: Fundamentals of Payments and ISO 20022

Duration: 16 hours

Course Outline:

Module 1: Introduction to Payments and Payments Messaging

- Key elements of payment system
- Entities involved in payment system
- Different types of payments
    - Push, Pull, Request to Pay
    - Domestic, Cross-border
- Electronic payments e.g. RTGS (High value and Low value), RTNS, ACH
- Payment Message Classification
    - Value, Non-value
    - High value, Low value

Module 2: Overview of SWIFT and SWIFT MT Standard for Payments

- What is SWIFT and its role in payment transactions
- Overview of SWIFT infrastructure
- SWIFT MT key messages for Payments: 1XX, 2XX and 9XX
- Understanding important fields in MT103 and MT202
- How serial and cover payments are made for customer transactions using MT102/MT202COV
- Overview of SWIFT gpi and Universal Confirmation

Module 3: Understanding ISO 20022 XSD

- XML Basics: tags, elements and element types (sequence/choice), datatypes (simple/complex), patterns
- Occurrences of tags
- External codes/bank transaction/proprietary codes and data source schemes
- Structure and format of ISO 20022 message
- Business Application Header and Document
- XML schema and XML instance
- XML schema validation, non-schema extended validation

Module 4: Introduction to Standards MX

- What is Standards MX
- Structure and format of MX message
- Business Application Header and Document

Module 5: Mandatory Adoption of MX for Cross-border Payments

- Adoption timelines and major milestones
- Cross Border Payments and Reporting Plus (CBPR+)
- Exception from migration
- Transaction Management Platform (overview)

Module 6: Using MX for Domestic and Cross-border Payments

- Understanding mapping of MT 1XX , MT2XX and MT 9XX to MX for payments
- Introduction to pain, pacs, camt and other applicable messages for payments in MX series
- Important message elements/tags of pain.001/002, pacs.008/009/002/004, camt.054/053.
- Use of MX in high value payment systems (e.g. RBI RTGS), small value real time payment systems (e.g. US RTP) and bulk payment systems (using files e.g. STEP 2 SCT/SDD)
- End to end push transaction flow using MX
    - Serial method of payment
    - Cover method of payment
- End to end pull transaction flow using MX
- End to end collaborative flow using MX
- Important “R” e.g. Reject/Return messages in ISO 20022
- Exception and investigation management in MX