

**CRYPTOCURRENCIES AND
CROSS-BORDER
ELECTRONIC SERVICES:
TECHNOLOGIES,
REGULATORY
FRAMEWORKS, AND THE
FUTURE OF PAYMENT
SYSTEMS**



GENTEX[®]
TRAINING CENTER



Introduction

The Cryptocurrencies and Cross-Border Electronic Services: Technologies, Regulatory Frameworks, and the Future of Payment Systems Training Course prepares professionals to work confidently with digital assets and modern payment rails. Cross-border payments remain slow, expensive, and opaque, and distributed ledger technology offers one route to change that. This course explains how cryptocurrencies, stablecoins, and tokenised settlement actually function. It then examines the regulatory frameworks that govern them across jurisdictions. Furthermore, it covers AML obligations, custody, and payment system design. As a result, participants gain a clear view of what is usable today and what remains experimental.

Cryptocurrencies and Cross-Border Electronic Services Course Objectives

- Explain blockchain, distributed ledger technology, and consensus mechanisms.
- Distinguish cryptocurrencies, stablecoins, tokenised deposits, and CBDC.
- Compare public, private, and permissioned network models.
- Assess cross-border payment frictions and the G20 roadmap remedies.
- Apply FATF Recommendations and the travel rule to virtual asset transfers.
- Interpret regulatory frameworks, licensing, and VASP registration regimes.
- Evaluate custody, key management, and wallet security practices.
- Apply ISO 20022, multi-CBDC, and interoperability standards to settlement.
- Assess AML, CFT, sanctions, and consumer protection obligations.
- Design risk controls and governance for digital asset operations.

Course Methodology

- Interactive lectures with live cryptocurrency and payment case studies.

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- Workshops on regulatory mapping and travel rule compliance.
- Design exercises on cross-border settlement and interoperability models.
- Risk assessment practice on custody, cyber, and AML controls.
- Structured peer discussion with facilitator feedback on adoption decisions.

Who Should Take This Course

- Payment system and cross-border payment specialists.
- Compliance and financial crime officers in banking.
- Central bank and supervisory authority staff.
- Treasury, custody, and settlement professionals.
- FinTech and virtual asset service providers.
- Legal, risk, and audit professionals covering digital assets.

Cryptocurrencies and Cross-Border Electronic Services Course Outlines

Day 1: Blockchain and Digital Asset Foundations

- Blockchain, distributed ledger technology, and consensus models.
- Public, private, and permissioned networks compared.
- Cryptocurrencies, stablecoins, and tokenised deposits.
- Central bank digital currency concepts and design basics.
- Smart contracts and tokenisation of real-world assets.
- Wallet types, private keys, and key management.
- Case study: how a cross-border corridor adopted distributed ledger settlement.





Day 2: Cross-Border Payments and Electronic Services

- Current frictions: cost, speed, transparency, and access.
- The G20 cross-border payments roadmap and its targets.
- Correspondent banking, nostro accounts, and settlement chains.
- Real-time payment rails and instant payment linkages.
- ISO 20022 messaging and its role in cross-border data quality.
- Payment service providers, e-money, and remittance operators.
- Workshop: mapping a cross-border payment corridor and its risks.

Day 3: Regulatory Frameworks and Licensing

- Global regulatory approaches to crypto assets and stablecoins.
- FATF Recommendations and the travel rule requirements.
- VASP registration, licensing, and supervisory expectations.
- MiCA, national virtual asset laws, and their practical effects.
- Stablecoin reserve, redemption, and disclosure rules.
- Consumer protection, disclosure, and complaint mechanisms.
- Workshop: mapping obligations for a virtual asset service provider.

Day 4: AML, Sanctions, and Risk Controls

- Money laundering and terrorist financing typologies in crypto.
- Blockchain analytics, clustering, and attribution tools.
- Sanctions screening and wallet screening approaches.
- Custody risk, segregation, and insurance considerations.
- Cyber risk, smart contract risk, and operational resilience.

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- Governance, internal controls, and audit trails for digital assets.
- Workshop: designing an AML and sanctions control framework.

Day 5: Interoperability and the Future Payment System

- Multi-CBDC arrangements and shared settlement platforms.
- Atomic settlement and delivery-versus-payment concepts.
- Interoperability standards and API-based connectivity.
- Tokenised deposits and bank-issued digital money models.
- Financial stability, monetary policy, and inclusion implications.
- Strategic roadmap for institutional digital asset adoption.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Cryptocurrencies and Cross-Border Electronic Services: Technologies, Regulatory Frameworks, and the Future of Payment Systems, participants will gain a thorough understanding of digital asset technology, cross-border payment mechanics, regulatory obligations, and settlement innovation. They will also acquire practical skills in regulatory mapping, AML control design, interoperability assessment, and risk governance. In addition, the course prepares them to advise on digital asset and payment strategy with confidence. Gentex Training Center delivers this programme with a strong focus on real payment practice and measurable readiness.





FAQs for Cryptocurrencies and Cross-Border Electronic Services course

Q1 What is the "Cryptocurrencies and Cross-Border Electronic Services: Technologies, Regulatory Frameworks, and the Future of Payment Systems" course about?

It is a five-day programme on digital assets and cross-border payment technology. It covers blockchain and consensus, cryptocurrencies and stablecoins, cross-border payment frictions, regulatory and licensing frameworks, FATF travel rule obligations, custody and cyber risk, and interoperability models for future settlement.

Q2 What are the key benefits of the "Cryptocurrencies and Cross-Border Electronic Services" course?

Participants gain a factual basis for digital asset decisions in an area full of noise. The course improves regulatory readiness, strengthens AML and sanctions controls, reduces custody and cyber exposure, sharpens cross-border payment design, and helps institutions separate workable use cases from unproven ones before committing investment.

Q3 What skills will I gain from the "Cryptocurrencies and Cross-Border Electronic Services" course?



Participants gain blockchain and digital asset technology assessment, cross-border payment and interoperability design, regulatory mapping and travel rule compliance, and AML, sanctions and custody risk control design. These four skills cover both the technology and the compliance side of digital asset operations.

Q4 What tools, methods, or standards are covered in the "Cryptocurrencies and Cross-Border Electronic Services" course?

The course covers distributed ledger technology and consensus mechanisms, smart contracts and tokenisation, stablecoin reserve and redemption rules, the FATF Recommendations and travel rule, VASP licensing and MiCA frameworks, blockchain analytics and clustering tools for attribution, wallet and sanctions screening, segregation and custody controls, the G20 cross-border payments roadmap, ISO 20022 messaging, real-time payment linkages, multi-CBDC arrangements, atomic settlement and delivery-versus-payment concepts, and cybersecurity and operational resilience standards.

Q5 How is the "Cryptocurrencies and Cross-Border Electronic Services" course applied in real-world practice?

Participants apply the frameworks inside their own institutions. They map regulatory obligations, draft AML and sanctions controls for virtual asset flows, assess custody and cyber risk, design cross-border corridors, evaluate interoperability options, and prepare digital asset strategy papers for management. Many leave with a control framework and corridor risk map ready to use.