

Understanding EMV in the US

Demystifying EMV and understanding how to leverage the technology to improve the card business

Presentation

This educational seminar enables attendees to acquire a global understanding of EMV and to evaluate its impacts on the payment value chain. This course discusses how Issuers, Acquirers and Merchants may maximize the technology to reduce fraud

Key points

- Trainers having an operational experience of EMV implementations
- High level functional description of the EMV technical specifications
- Comparison of contact EMV, contactless EMV and Mag-stripe contactless
- Review of expected business changes and migration impacts of contact, contactless and mobile EMV implementation
- Considerations for emerging technologies (mobile, remote payments)

Target

Targeted audience includes any staff member involved in EMV projects: product managers, service managers, project managers... Issuers, Acquirers and Merchants will benefit from this seminar

Duration

- 1 day

Pre-requisite

The seminar requires participants to have basic knowledge of card systems

Customization upon request

The content of this seminar can be modified and enhanced to meet customer-specific requirements. Please contact us for customization requests and availability of trainers

Trainers

Experts in payment systems, having a concrete experience of EMV implementations

Language

This seminar is given in English

Price

Contact us

Documentation

Slide deck

Card & Payment Acronyms & EMV Glossary

About Galitt

Over 20 years of chip card and EMV related payment experience

Galitt is recognized for delivering innovative projects using advanced smart card technology & defining flexible payment architectural solutions

Program

Morning

1. EMV Essentials

- **Scenery**
Chip card technology, contactless and dual interface, key features of EMV chip cards, EMVCo
- **EMV specifications**
Scope, documentation
- **EMV in the world**
EMV migration history, status, US EMV migration, network's plans, EMV migration forum
- **On-going and upcoming developments**
Chip a platform for evolutions, NFC mobile
- **EMV transaction flow**

2. EMV Business Overview

- **EMV business drivers**
Fraud, offline processing capabilities, liability shift, operational costs reduction
- **EMV contactless**
Magnetic-stripe transactions vs. EMV transactions
- **EMV card profiles**
US credit cards examples, US debit cards examples
- **EMV transactions fundamentals**
Application selection, offline CAM (Card Authentication Method), network summary requirements (US)
- **EMV migration program**
Costs and benefits

Afternoon

3. EMV Issuance Implementation

- **Chip card applications**
Current major programs (VIS, M/Chip, CPA and others...), issuer decisions, co-residing applications, US debit cards
- **Issuer options**
Basic choices, authorization system choices
- **Upgrade back-office & front-end**
Back-office changes, front-end changes, post card issuance management, network interfaces validation, key management
- **Card personalization**
Card settings definition with brands, personalization validation by networks, batch vs. instant issuance
- **Chip migration issuer program**
Major phases and milestones, timeframe

4. EMV Acquiring Implementation

- **Key issues for acquirers**
Credit card acceptance, debit card acceptance, common US AID, routing implications, CVM options, ATM specifics
- **Terminal and infrastructure preparation**
EMV approved kernels, terminal management system:
 - EMV parameters
 - Root key distribution
 - ...
- **Upgrade back-office & front-end**
Back-office changes, front-end changes
- **Testing and certification**
Required testing phases, acquirer host testing, terminal End-to-End / integration testing, production validation test
- **Chip migration acquirer program**
Major phases and milestones, timeframe

Due to the continuous changes, the content of the seminar is updated regularly