

Card Payment Essentials

Understanding card payment rules, principles, mechanisms, processes and technologies

Presentation

This educational seminar enables to acquire a global understanding of card based payments including founding principles, major players, and key technologies (Mag-stripe, contact, contactless, mobile, cloud...)

Key points

- Trainers having an international experience of payments systems
- Acquiring a global understanding of card based payments including founding principles, major players, and key technologies (Mag-stripe, contact, contactless, mobile, cloud...)
- Possible extension with Brand's specific requirements

Target

Targeted audience includes any staff member (decision maker, service manager, project manager) whose projects are related to banking card systems and who are involved in card payment projects

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 domestic and international payment systems

Language

This seminar is given in English

Price

Contact us

Documentation

Slide deck
Card & Payment Acronyms

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. Payment Card Overview

- **Concepts & Definitions**
 - Prepaid
 - Debit
 - Credit
 - Card services & brands
 - 3 & 4-corner models
- **Stakeholders**
 - Issuers
 - Acquirers
 - Third Party Processors
 - Gateways
- **Networks**
 - Network definition & role
 - Visa Inc.
 - MasterCard Worldwide
 - American Express
 - JCB
 - Discover & Diners Club
 - UnionPay
 - other “regional” initiatives (RuPay...)

2. Payment Card Infrastructures

- **Processing Architecture**
 - Payment processing
 - Simplified connectivity
 - Distribution and production models
 - PCI SSC
 - Tokenization
- **Authorizations**
Connectivity & processing, Offline vs. Online transaction processing & authorization
- **Transactions Acquiring**
Transaction & multiple acquisition architecture, single vs. dual messages, terminal management
- **Clearing & Settlement**
 - CSM (ACH, switches, networks)
 - XML & ISO 20022

Afternoon

3. Technology Overview

- **Cards & Mobiles**
 - Card numbering
 - Mag-stripe
 - Contact chip cards
 - EMV cards & EMVCo
 - NFC & contactless
 - storage capabilities
 - New form factors
 - Mobile payment solutions
 - HCE technology & mobile handset
- **Card Acceptance Devices**
 - POS
 - Cardholder Activated Terminals (CATs)
 - ATMs
 - m-acceptance (mobiles)
- **Message Formats and Communications**
Terminal communication capabilities, protocols, single vs. dual messages, Over-the-Air (OTA) provisioning

4. Supporting Mechanisms

- **Fees and Costs Structure**
Multilateral Interchange Fees (MIF), cardholder and merchant fees, collected fees
- **Functional Architecture**
Front-end (acquiring systems, issuer authorization host, interfaces, call center), middle-office (Card Management System – CMS, Trusted Service Managers – TSM, personalization bureaus, Terminal Management System – TMS), back-office (databases, accounting, dispute handling)

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