

Contactless EMV payment for transport



Contactless is now widely used for transport ticketing. It helps to drive down costs, increases system efficiency, and reduces queues and congestion at rush hour.

Historically it has been delivered via dedicated closed loop systems, but transport authorities are now moving towards open loop systems based on the interoperable EMV standard.

This course explains the technical and business impacts of EMV on a ticketing system. It is aimed at transport authorities and transport operators that plan to accept EMV cards on their transport network in the near future.

With its presence in both the banking and the transport markets and its involvement in key projects in the UK involving various form factors, Gemalto is pleased to share its knowledge and practical experience and to assist you in your preparation for the migration to contactless EMV payment.

Objectives

At the end of the course, you will:

- > Have a clear understanding of the EMV contactless payment transaction and acceptance infrastructure
- > Understand the business model and the liabilities of EMV-based payment systems
- > Understand how EMV meets the specific requirements of transport
- > Understand the impact of EMV migration on your existing ticketing system
- > Be in a position to fine-tune your strategy

Key topics

- > Transport fare systems
- > Account-based and card-based systems
- > Open loop and closed loop
- > Cards and new form factors
- > EMV transactions
- > EMV acceptance infrastructure
- > Liabilities

Who is the training aimed at?

Employees of transport authorities and transport operators that want to introduce contactless EMV payment.

- > Marketing managers
- > Product managers
- > Project managers

Each session consists of

- > Full training materials
- > EMV / payment glossary

Requirements

- > Basic knowledge of contactless ticketing
- > This course is held in English. Sessions in French or Spanish can be organized – please contact us for more details.

Duration: 1 day¹

Location: Gemalto premises²

Course fee: €1,049 per person³

¹ An extended course is available on request

² All training courses can be held at customer premises or at one of Gemalto's training centers

³ Please contact your local sales representative or banking.training@gemalto.com for more information

Course schedule

The active participation of attendees is required to make this seminar a success.

When held at your premises, we tailor the agenda to your requirements. The standard schedule is shown below:

AGENDA

Transport use cases and requirements

- > Infrastructure and journey management
- > Transaction management and inspection
- > Pricing models for transport
- > Account-based and card-based systems

Technologies and specifications

- > Cards and new NFC form factors (wearables, mobile with Secure Element, mobile with Host Card Emulation)
- > MIFARE™ / Calypso™ / FeliCa™ / CIPURSE™ and other regional specifications
- > EMV interoperable specifications
- > Transport cards distribution models

Payment systems fundamentals

- > Stakeholders, roles and responsibilities
- > Business models (4C, 3C, ACH)
- > Transaction liability and liability shifts
- > Card products segmentation and fees structure
- > Contactless cards deployment worldwide

EMV transactions and infrastructure

- > Application selection, card authentication and cardholder verification
- > Card / terminal risk management and transaction authorization
- > Acceptance infrastructure and contactless EMV readers
- > EMV implementation options for transport
- > Global interoperability and certification for transport

EMV business models for transport

- > From closed loop to open loop payments
- > EMV in account-based and card-based systems
- > Transaction management and authorization for different use cases
- > Liabilities between card issuer and transport operator

Case studies

- > Transport for London (TfL)
- > Chicago transport
- > South Africa's NDoT card

Open discussion about your project and recommendations

Related courses

Introduction to the
Banking World
(B1014I)

Contactless
Payment Technology
Seminar
(B1021S)

Contactless EMV
Payment for
Transport
(B1035S)

Workshop for
Contactless Card
Perso Spec Definition
(B1025W)

Contactless
Payment
with Wearables
(B1034S)

For further information about registration and the course schedule,
please email us at banking.training@gemalto.com
or visit our website: <http://www.gemalto.com/>