

Become an expert in EMV[®] contact specification.

This training course is focused on EMV[®] Level 2 (application level), and enables participants to understand the EMV contact transaction flow as per the EMV specification.

Objectives

- Understand the different steps of the contact EMV transaction flow .
- Interpret the data exchanged between the card and the terminal (POS or ATM).
- Analyze what happened during an EMV transaction.

Key topics

- EMV overview and transaction flow .
- Flow EMV security.
- EMV commands / responses.

Audience

Acquiring banks, merchants, project managers and technical experts.

Prerequisites

Prior knowledge / experience of the banking industry and awareness of the four-party scheme. Completion of "Payment ecosystem introduction" online training would be an advantage.

Price

Visit our website for more information about our training offer. For any specific requests, please contact us.

Payment ecosystem

EMV[®] contact specification.



Fime plus

- Stay in contact with your Fime trainer, following your session for continued support and insight.
- Be part of Fime's trainee community and stay up to date with the latest technological developments.
- Receive an official Fime certificate to recognize your participation.

Training pack

Includes a binder, notebook, pen, USB key and your official certificate.

Duration	Location	Language
2 days	Customer's premises or Fime agency	English Local language may be available on request.

Training course program

Day 1

EMV overview

- Objectives (security & interoperability).

Advantages of the smart card

EMV security

- Symmetric key cryptography.
- Public key cryptography.

EMV transaction flow (Part 1)

- How to determine the card application.
- How to read application data.

Day 3 (optional)

- Structure of an EMV contact log.
- Manual log analysis (TLV).
- Automatic logs analysis tool (Savvi).
- Q&A on the EMV contact specification.

Day 2

EMV transaction flow (Part 2)

- Offline and online processing.
- Offline data authentication: SDA, DDA, CDA.
- Cardholder verification.
- Decision cycle.
- Online processing.

EMV commands / responses

- Application Protocol Data Units (APDU).
- Data Object List (DOL) handling.

Related trainings

Newcomer

Payment ecosystem

Payment ecosystem introduction

Payment ecosystem

SoftPOS ecosystem

Advanced

Payment ecosystem

Certification processes for acquirers (Mastercard and Visa)

Payment ecosystem

Certification processes for issuers (Mastercard and Visa)

Expert

Payment ecosystem

Contactless specifications BCK2 & BCK3 (Mastercard & Visa)

Payment ecosystem

Contactless specification BCK4 (American Express)

Payment ecosystem

Contactless specification BCK5 (JCB)

Payment ecosystem

Contactless specification BCK6 (Discover)

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EMV® contact specification.

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