

TRAINING CENTER

EMV CONTACT SPECIFICATION



FIME[®]

One Action. A billion transactions.



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 transaction flow as per the EMV specifications.

OBJECTIVES	<ul style="list-style-type: none">• Understand the different steps of the 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	<ul style="list-style-type: none">• EMV overview.• EMV transaction flow.• EMV security.• EMV commands / responses.• EMV exercises.• Q&A session.
AUDIENCE	<ul style="list-style-type: none">• Acquiring banks• Merchants• Project managers• Technical experts
PREREQUISITES	<p>Prior knowledge / experience of the banking industry and awareness of the four-party scheme. In addition, EMV payment ecosystem introduction training would be an advantage.</p>
PRICE	<p>Visit our website for more information about our training offer. For any specific requests, please contact your sales representative.</p>

DURATION

2 DAYS +
1 DAY optional

LOCATION

Customer's premises
or
FIME agency

LANGUAGE

English
(local language may be
available on request)

+ 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.





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EMV CONTACT SPECIFICATION



LEARN MORE



[www.fime.com/training-center/
card-payment/emv-contact-
specifications.html](http://www.fime.com/training-center/card-payment/emv-contact-specifications.html)

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TRAINING COURSE PROGRAM

DAY 1

EMV OVERVIEW & SECURITY

EMV overview

- Objective (security and interoperability).

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 2

EMV TRANSACTION FLOW

EMV transaction flow (Part 2)

- Offline and online processing.
- Offline Data Authentication: SDA, DDA, CDA.
- Cardholder verification. How to determine the cardholder verification method.
- Decision cycle. How the terminal and the card make the decision.
- Online processing. Online data authentication and issuer authentication.

EMV commands / responses

- Application Protocol Data Units (APDU).

Q&A session

DAY 3

OPTIONAL

EXERCISES & DEMO

Exercises

- EMV quiz.
- EMV log analysis.
- Tools demo for automated analysis.

RELATED TRAININGS

Newcomer	Advanced	Advanced	Advanced	Expert
EMV PAYMENT ECOSYSTEM INTRODUCTION	EMV CERTIFICATION PROCESS FOR ACQUIRERS <small>MASTERCARD & VISA</small>	TERMINAL LEVEL 3 MASTERCARD	TERMINAL LEVEL 3 AMERICAN EXPRESS	EMV CONTACT SPECIFICATION
	EMV CERTIFICATION PROCESS FOR ISSUERS <small>MASTERCARD & VISA</small>	TERMINAL LEVEL 3 VISA	TERMINAL LEVEL 3 UNIONPAY	EMV CONTACTLESS SPECIFICATIONS PART 1 BCK2 & BCK3
		TERMINAL LEVEL 3 DISCOVER	TERMINAL LEVEL 3 JCB	EMV CONTACTLESS SPECIFICATIONS PART 2 OTHER KERNELS