

## OSPT ALLIANCE CIPURSE OPEN STANDARD



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One Action. A billion transactions.



### BECOME AN EXPERT IN THE CIPURSE OPEN STANDARD

This training course provides an overview of the OSPT Alliance and the benefits of CIPURSE™ which provides an advanced foundation for secure and interoperable transit fare collection solutions. You will gain an insight into CIPURSE's security, its different functionality profiles, launching mobile implementations and how to achieve CIPURSE certification.

<b>OBJECTIVES</b>	<ul style="list-style-type: none"> <li>• Understand the objectives of the OSPT Alliance.</li> <li>• Discover the benefits of the CIPURSE standard.</li> <li>• Learn about its different applications.</li> <li>• Understand the specifications and their use cases.</li> <li>• Get the knowledge needed to begin your CIPURSE projects.</li> </ul>
<b>KEY TOPICS</b>	<ul style="list-style-type: none"> <li>• Objectives of the OSPT Alliance.</li> <li>• Purpose of CIPURSE.</li> <li>• CIPURSE specification set and functionality.</li> <li>• Use cases of CIPURSE.</li> <li>• The CIPURSE Software Development Kit (SDK).</li> <li>• Achieving CIPURSE certification.</li> </ul>
<b>AUDIENCE</b>	<ul style="list-style-type: none"> <li>• Transport authorities and operators</li> <li>• Card vendors</li> <li>• Reader and terminal manufacturers</li> <li>• System integrators</li> <li>• Project managers</li> <li>• Technical experts</li> <li>• Application developers</li> </ul>
<b>PREREQUISITES</b>	Basic knowledge of card systems (smart card communication basics, scripting language).
<b>PRICE</b>	Visit our website for more information about our training offer. For any specific requests, please contact your sales representative.

<b>DURATION</b>	<b>LOCATION</b>	<b>LANGUAGE</b>
2 DAYS	Customer's premises or FIME agency	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.





TRAINING CENTER

OSPT ALLIANCE  
CIPURSE OPEN  
STANDARD



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FIME CONTACTS

- Asia                    [test\\_toolsAP@fime.com](mailto:test_toolsAP@fime.com)
- EMEA                 [test\\_tools@fime.com](mailto:test_tools@fime.com)
- India                  [test\\_toolsIN@fime.com](mailto:test_toolsIN@fime.com)
- Japan                 [test\\_toolsJP@fime.com](mailto:test_toolsJP@fime.com)
- Korea                [test\\_toolsKR@fime.com](mailto:test_toolsKR@fime.com)
- Latin America      [test\\_toolsLAC@fime.com](mailto:test_toolsLAC@fime.com)
- North America     [test\\_toolsNA@fime.com](mailto:test_toolsNA@fime.com)

## TRAINING COURSE PROGRAM



DAY 1

### CIPURSE OVERVIEW

#### OSPT Alliance

- Overview of the Alliance and its objectives.
- Who can join the Alliance and what applications its open standard can serve.

#### CIPURSE value proposition

- Market overview and current challenges.
- Benefits of implementing CIPURSE as an open, non-proprietary standard.

#### CIPURSE specification set

- Overview of CIPURSE's key features.
- Command set and file system.
- Outline of the key functionality profiles.
- Use of existing standards.

#### Cryptography and security

- Overview of CIPURSE's cryptography and integrated security level.

#### Secure Authentication Module (SAM)

- Key management.
- Cryptographic services.
- File systems.



DAY 2

### ADDITIONAL TOPICS AND SOFTWARE DEVELOPMENT KIT (SDK)

#### Main terminal aspects

- Overview of the main operations and use cases.

#### CIPURSE and mobile

- Optional features specification.
- Java card server cryptography API and host crypto API .
- Secure Element (SE) based.
- Host Card Emulation (HCE) based.

#### Certification scheme

#### Hands-on session on CIPURSE Software Development Kit (SDK)

- Overview.
- CIPURSE explorer functionality.
- CIPURSE command lib / reader API.
- Exercises with profiles L, S and T.

#### Q&A