

# Security services

A one-stop shop from  
consulting to testing.



# Fime

## Security services

Prove the security of your products and protect your reputation.

Fime experts provide constant support throughout the development process to deliver a customized solution which saves costs and shortens time-to-market.

### CONSULTING

Fime works in partnership with its clients to address product and application security requirements from initial set-up and throughout the development and integration stages. Helping make the right decision based on their individual security needs. Our services include:

- Risk analysis
- Security requirements writing
- Product design review / Source code review
- Technical guidance
- PCI certification documentation writing
- Vulnerability analysis / Pre-assessment
- Security assessment & pentesting

### TRAINING

Fime can offer training in its areas of expertise which cover:

- Chip card / Secure Element (SE)
- Payment terminal
- SoftPOS / PCI MPoC
- Trusted Execution Environment (TEE)
- Standard & Host Card Emulation (HCE) mobile applications
- Token Service Provider (TSP)
- Trusted Service Manager (TSM)

## Mobile

### Testing services

- EMVCo SBMP and Visa Ready for Host Card Emulation (SDK/ Mobile Wallet)
- Common Criteria (ISO/IEC 15408)
- GlobalPlatform and EMVCo for TEE security
- Mobile application pentesting

### Test tools

- **Observation test bench** Side-channel analysis
- **Perturbation test bench** Fault injection
- **Smartspy+** Records and analyzes communications between mobile and reader

## Terminal

### Testing services

- PCI PTS security evaluation for POS terminals
- PCI MPoC security evaluation for SoftPOS
- PCI CPoC and PCI SPoC security evaluation for SoftPOS
- Common Criteria (ISO/IEC 15408) security evaluation

### Test tools

- **Observation test bench** Side-channel analysis
- **Perturbation test bench** Fault injection
- **Smartspy+** Records and analyzes communications between card or mobile and reader

## Chip card / SE

### Testing services

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|---|--|--|
| <ul style="list-style-type: none"> <li>• American Express</li> <li>• BAROC</li> <li>• CCC-Digital Key Applet security</li> <li>• Common Criteria (ISO/IEC 15408)</li> </ul> | <ul style="list-style-type: none"> <li>• Discover</li> <li>• EMVCo</li> <li>• FeliCa Networks</li> <li>• First Data</li> <li>• Interac</li> <li>• JCB</li> </ul> | <ul style="list-style-type: none"> <li>• Mastercard CAST</li> <li>• Mifare for NXP</li> <li>• Visa VCSP</li> <li>• FIPS 140-3 up to level 4</li> </ul> |
|---|--|--|

### Test tools

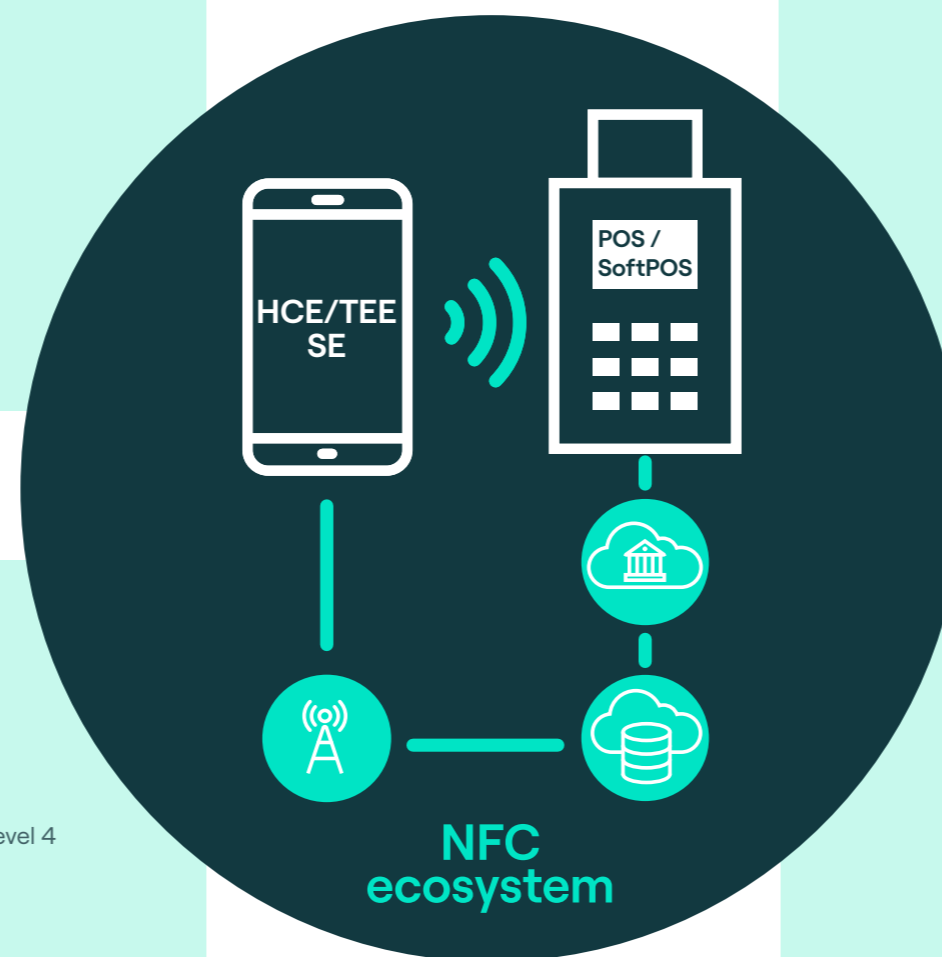
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## Security audits

### Secure servers

(3DS/TSP/TSM and other IT systems)

- PCI 3DS security audit
- PCI DSS security audit
- Penetration testing on IT and network systems
- Security audit (such as ISO/IEC 27001) for sites and processes
- Logical, organizational and physical security audit



## Fime security evaluation services.

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Fime offers security evaluation services in an independent ISO 17025 laboratory to certify that your products meet all required standards. In order to support you best, Fime works with a network of partners who own the required accreditations from the payment brands or other organizations for the services they offer.



No1 mobile payment testing laboratory.



No1 provider of CPV and M-TIP services.



First international laboratory accredited by UnionPay.



Supported development & launch of world's first Android POS terminal.

## Global services.

Fime provides security consultancy, evaluation and test services to ensure that an application or product achieves the highest security standards throughout its lifecycle.

Fime's expertise covers smart cards, Secure Elements (SE), SoftPOS, Trusted Execution Environments (TEE), standard and Host Card Emulation (HCE) mobile applications, payment terminals, EMV® 3-D Secure, Token Service Providers (TSP) and Trusted Service Managers (TSM). Fime is also able to address payment-related systems dealing with account data through PCI DSS compliance and penetration testing as well as other PCI standards assessment. as well as compliance assessment to other PCI standards (like PCI PIN, PCI P2E, PCI SSF, PCI Card Production & Provisioning, PCI 3DS, PCI 3DS SDK, PCI TSP, PCI TSM,...)

Beyond this standard testing portfolio, Fime experts can develop dedicated tests or security expertise to future-proof your implementations.

## Supporting the future.

Open-loop payment

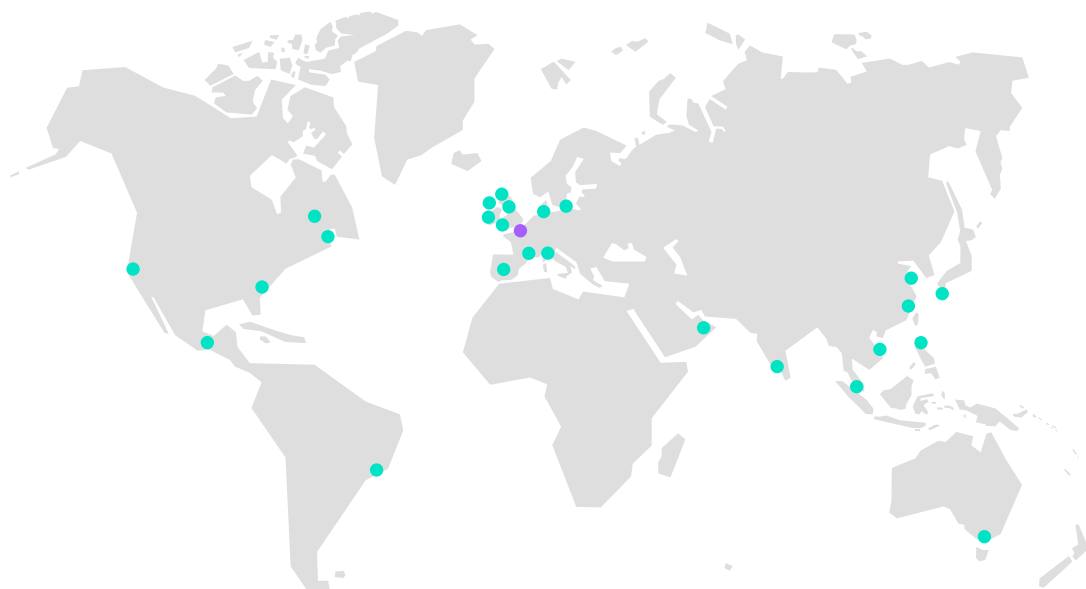
Mobile ticketing

Digital Identity

Wearables

GiantPay

## Fime. Expertise. All over the world.



We are a proud member of the **U.S. Payments Forum**.



Working with China's top 5 payment terminal vendors & 5 main mobile manufacturers.



We have worked on EMV®\* since the beginning and have supported numerous successful migrations.

Supported card & mobile migration for **15+ payment schemes globally**.

Contact us at [sales@fime.com](mailto:sales@fime.com)

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