

One Action. A billion transactions.

SoftPOS

Fast-track your SoftPOS deployment.







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Speakers panel



Hardik Mirani Head of Business Development

FIME



Emmanuel DesdoigtsHead of Center of Expertise
Vendors

FIME



François Drouard
Terminal and Mobile
Service Lines Manager

FIME



Christian Damour Pre-Sales Manager Security

FIME

FIME is a global leader in payment consulting and secure transaction testing



Big enough to be global small enough to be reactive

We speak your language



We enable our customers to bring user friendly, reliable and secure solutions to the Payment and Transport markets.

We are a Trusted Adviser.



We do that by combining our global expertise with disruptive testing.

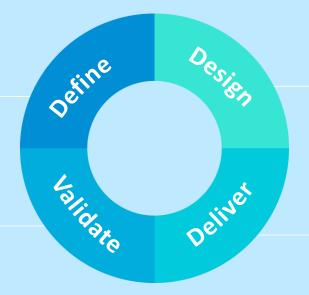


We go beyond testing.

We define, design, deliver and validate pioneering products across payments, transport, biometrics, authentication and open banking.

We help our clients answer critical business questions formulate their strategy to grasp new business opportunities

We help our clients test their solutions for compliance and quality assurance purposes



End-to-end services 3DV

We help our customer choose the best technical and cost effective options and design an efficient test strategy (automation & digitalization)

We help our clients roll out the chosen solutions and develop the ad-hoc test plan and testing tools



OPEN LOOP

AFC



3DS

ANDROID













QR CODE

X nexo



SRC

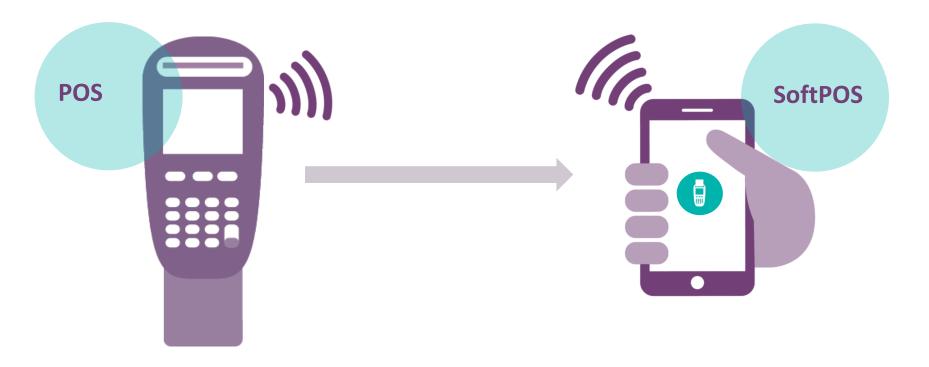
SCA

API

HCE

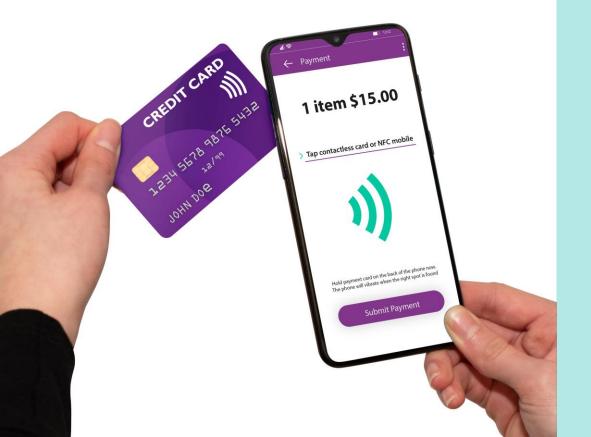


Payment acceptance on a mobile device



*POS: Point Of Sale

Learning fundamentals





POS

Point of sale

COTS Device

Commercial Off-The-Shelf device

SoftPOS

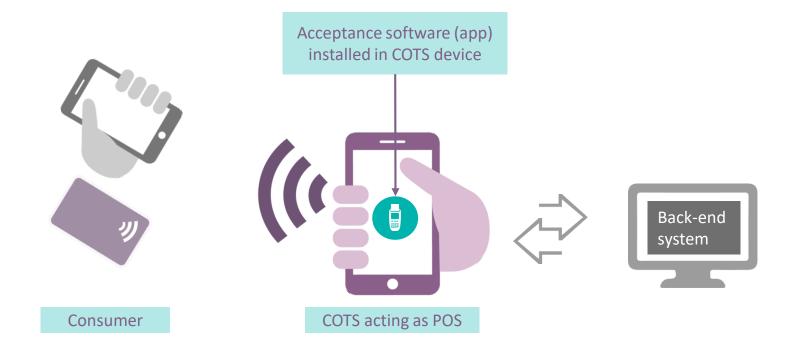
Software based contactless payment acceptance

CPoC

Contactless Payment on COTS



COTS device | Commercial Off The Shelf device





Features of softPOS solutions

Mobility

No dedicated hardware Works on COTS* mobiles

Software only solution

Utilizes wireless network for authorization and reconciliation

Suits small merchants

Adapted payment requirements







- Communication distance
- Contactless logo
- Amount display
- Card presentation
- Indicator
- No printed receipt



Payment schemes view



From Security in POS to Security in SoftPOS





Security in SoftPOS

- Secured Application
- Attested and Monitored Application

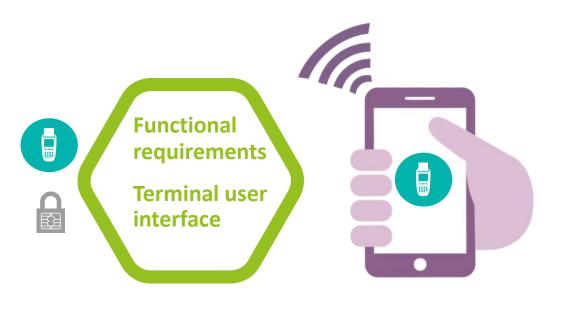
Requirements defined by

- PCI Contactless Payments on COTS (CPoC™)
- Mastercard (Pilot Security program)
- Visa (Pilot Security program)



Development and integration







Payment processing



Terminal
Management
System



Application Deployment



Attestation and Monitoring



Evaluating a SoftPOS





SoftPOS and Level 1 compliance program



CONFIDENCIATION

SECURIORISTATION

CONFIDENCIATION

CONFI

No dedicated hardware for COTS

Level 1 challenges

EMVCo requirements

Testing

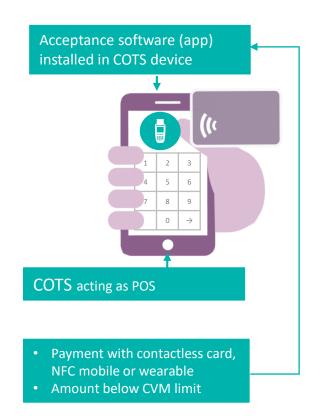


SoftPOS and Level 2 compliance program





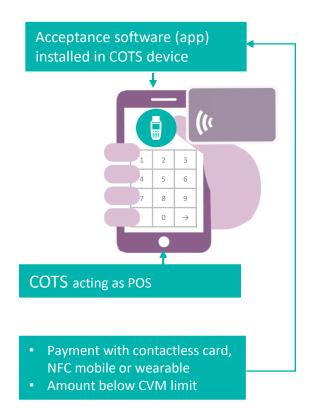
Security | SoftPOS without PIN entry







Security | SoftPOS with PIN entry







Recommended timeline











Expertise on all form factors



Comprehensive offers



Working with all international schemes



What FIME can provide?







All these questions have been addressed during the webinar and are available in the record visit our website fime.com



Q&A (1/5)

- Q1: Does Soft POS support only online transactions? You know that for the Public transit, the transactions must be done in offline mode
- Q2: How much time it takes for completing L2 certification and CPOC certification?
- Q3: It was mentioned that EMV is working on L1 evaluation for SoftPOS. Are there any timelines for completion or preliminary specifications available?
- Q4: Does the solution support local debit network? like BancNet in the philipines
- Q5: To develop L3 over FIME SDK, SDK would consist of L2, Remote attestation, security and Transaction manager?



Q&A (2/5)

- Q6: Does FIME cover SDK development, functional, security and L3 certifications?
- Q7: How can SoftPOS be commercially viable?. An Android NFC phone costs much more than POS today. Indirectly it asks to have a dedicated device of Android NFC Phone
- Q8: Once again L3, any derivative product need to take TIP? for example. certified with flagship product. How about daughter product?
- Q9: How SoftPos could be a better solution for merchants? Is it good for the eco-system to eliminate the need of dedicated hardware device as POS?
- Q10: How FIME can support in development of SDKs ?



Q&A (3/5)

- Q11: Where can we find the standards for software based PIN for Visa/Mastercard and Rupay.
- Q12: And if everyone does EMV / 3DS (for online), you cannot skim the card ;) (edited)
- Q13: A merchant can always mimic even using standard modified payment device. The cardholder trusts the merchant
- Q14: Should old unsupported Android versions even be supported? Why not mandate 8.1 or Higher?
- Q15: We understand only L1 certified devices can be used for building and certifying L2 on these devices? Is certification based on a family of devices?



Q&A (4/5)

- Q16: How would L3 certification work?
- Q17: For SoftPOS, do we have any available test suite to start with? Can we reuse our regular CTLS tests for this with amount < CVM limit?</p>
- Q18: For softPOS with PIN on glass, do we need to undergo both CPOC and schele level security evaluation?
- Q19: The way EMV lists certified POS on there website, is there any provision to know approved devices for use in SoftPOS implementations (L1 and/or L2 certified)?
- Q20: How do you foresee the industry building trust for SOFTPos if it can easily be mimicked by a sideloaded app that looks the same but skims the card data and PIN?



Q&A (5/5)

- Q21: Is a hardware backed keystore not mandatory for Android Attestation? (From your presentation I understood all hardware security like TEE / SE is optional)
- Q22: For SoftPOS, Can we Do the Certification only for the L2 Kernel?

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Thank you



Contact FIME

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