



# PCI MPoC Ecosystem, stakeholders & updates

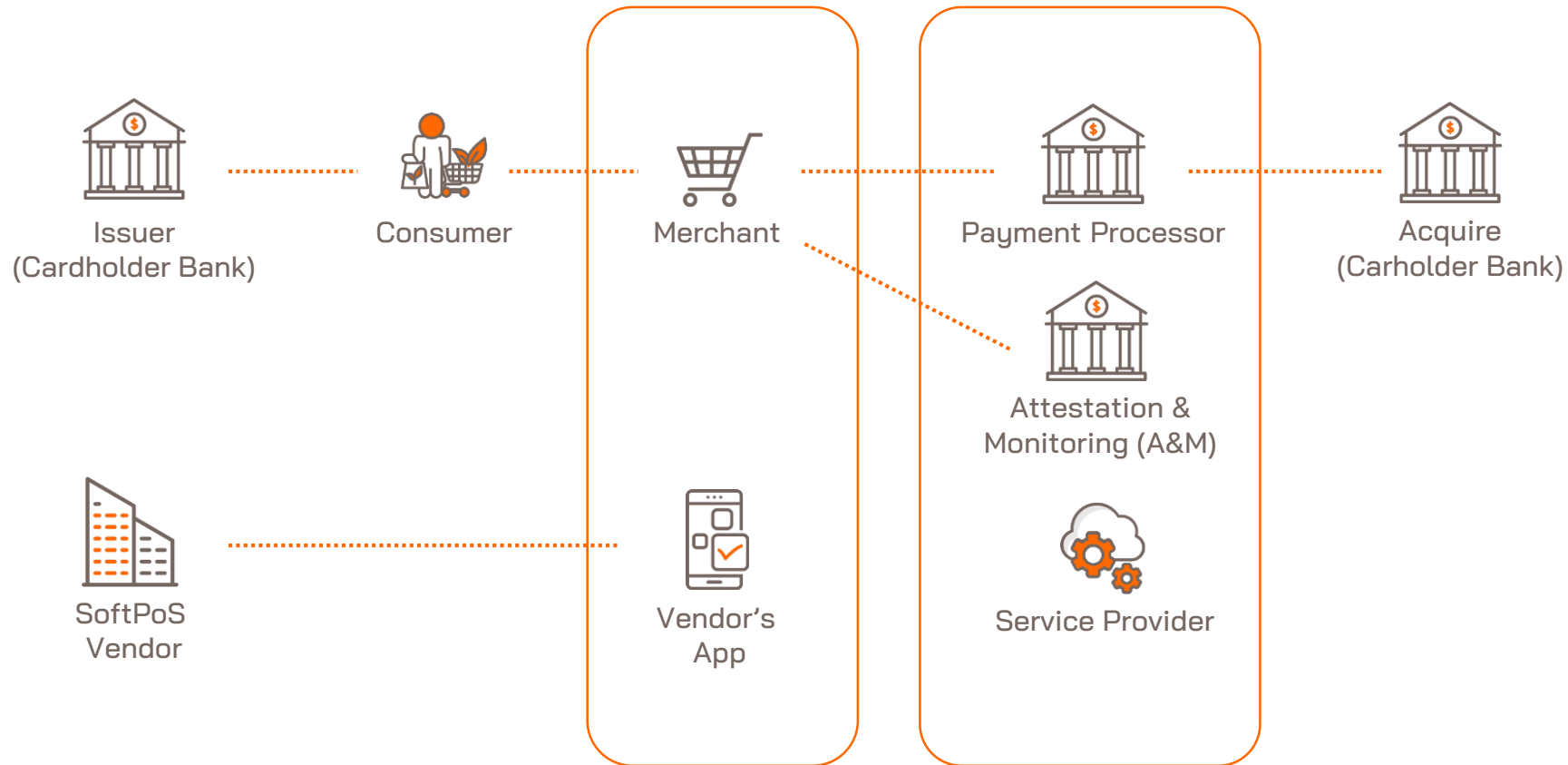


**Cybersecurity Laboratories**  
Webinar

- January 2025
- Albert Martorell
- Public

# PCI MPoC Stakeholders' Ecosystem

Were are you and your clients?



# PCI MPoC Certification Ecosystem

Who you need to talk with and why?



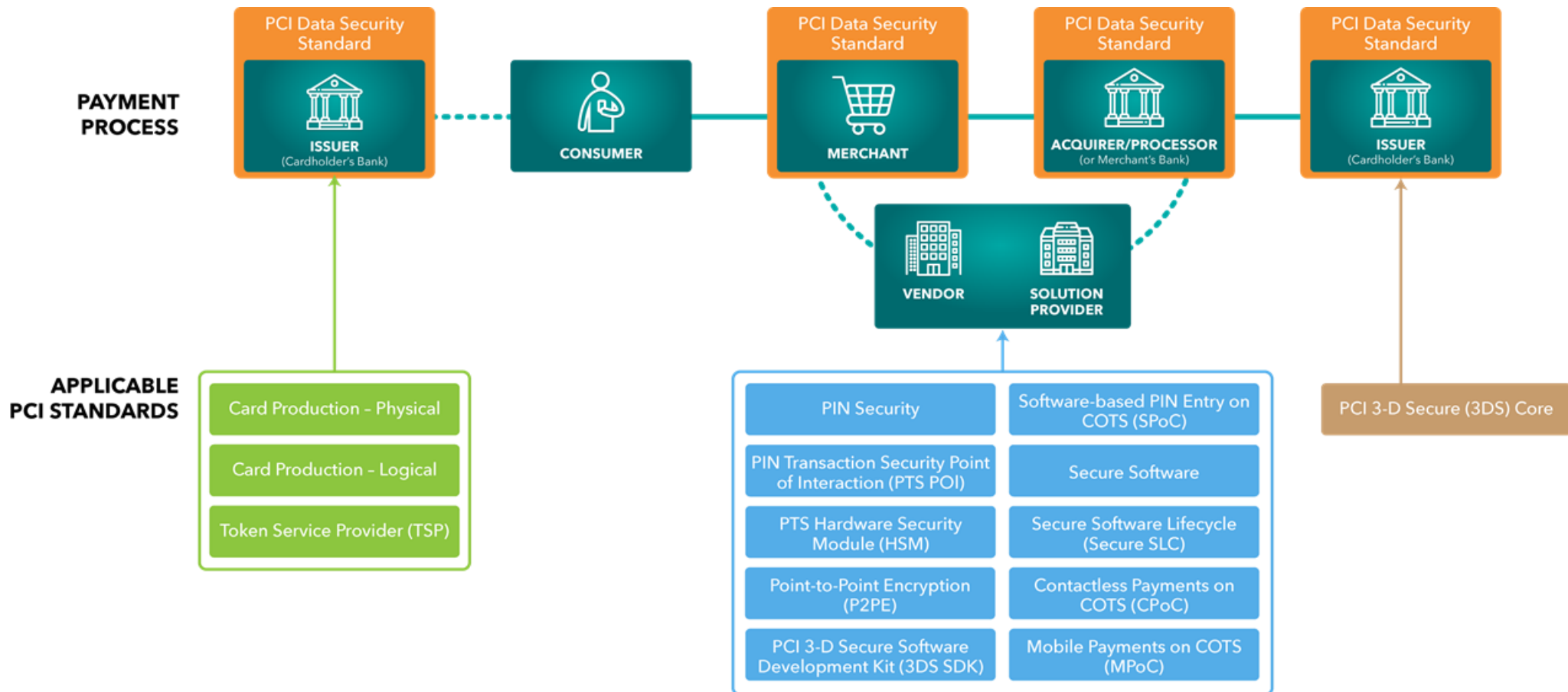
# PCI MPoC Certification Ecosystem

Who you need to talk with and why?



# PCI SCC Programs

What are the PCI certifications required?



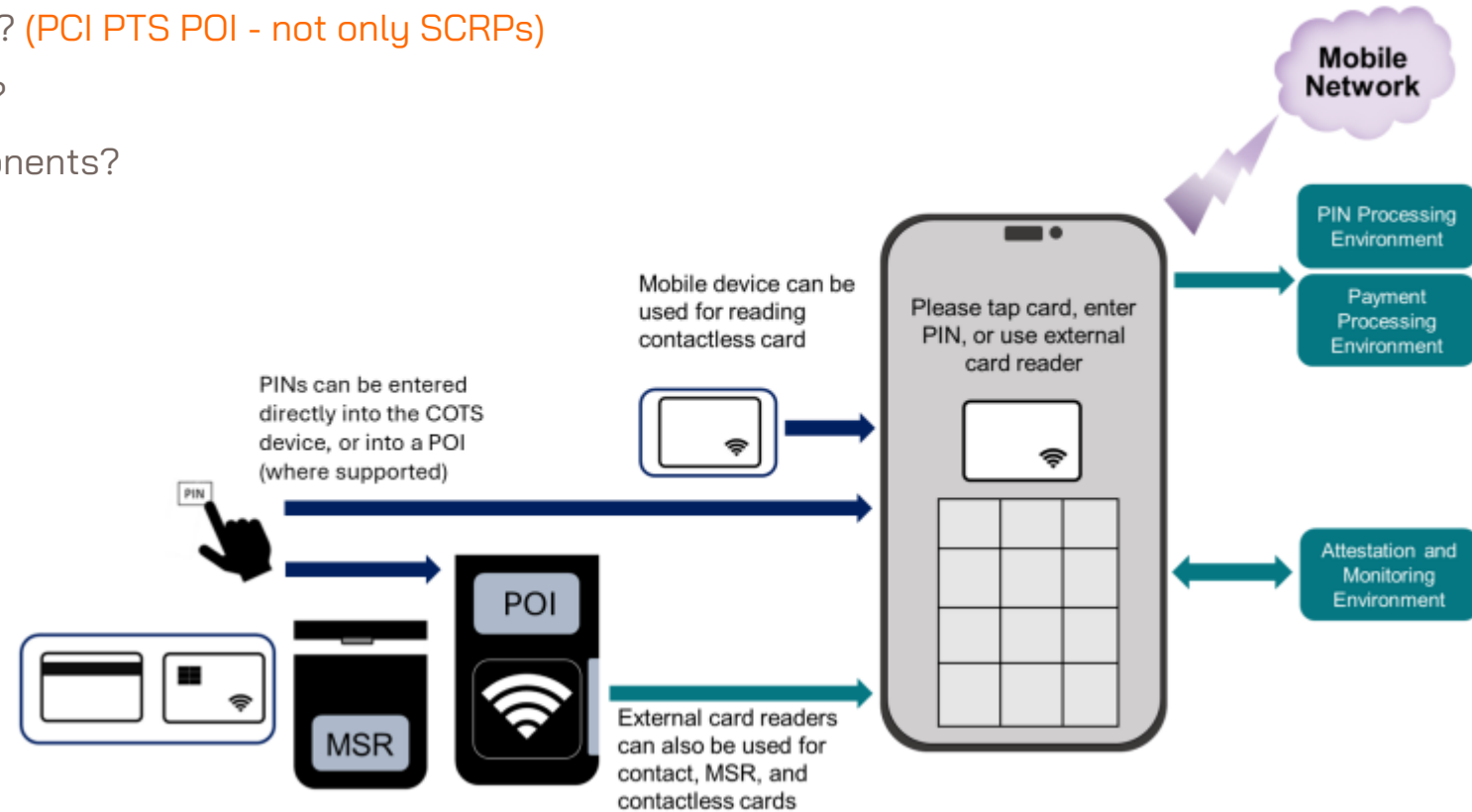
## PCI MPoC relation with other PCI SSC programs

<b>PCI PTS HSM</b>	HSMs in the back-end environment used for PIN and account-data decryption, and related cryptographic-key operations require validation to PCI PTS HSM or <b>FIPS 140-2</b> , or 140-3, Level 3 (or 4).
<b>PCI PTS POI</b>	The use of PCI PTS POI devices or Non-PTS approved is allowed (see <b>Appendix E</b> ). However, SRED functionality is mandatory.
<b>PCI SSF</b>	Compliance is not mandatory, but entities developing their own software are encouraged to refer to PCI SSC's security software standards and follow the outlined requirements as best practices in their development environments (see <b>Appendix D</b> ).
<b>PCI PIN:</b>	This standard requires compliance to the PCI PIN requirements for any back-end systems involved in PIN processing. Key blocks are still required.
<b>PCI DSS</b>	PCI DSS operates independently from this standard. A back-end attestation and monitoring environment could be part of a cardholder data environment (CDE) or be completely separate from any CDE. MPoC is not within its scope, though there is a mapping between PCI MPoC <b>Appendix A</b> and PCI DSS requirements.
<b>PCI-P2PE</b>	Listed PCI P2PE solution is one method of validating that devices will provide encryption of account data at all times, as those devices and the applications are execute as part of a listed PCI P2PE solution.

## PCI MPoC Implementations

### What components/options did you implement?

- Do you supporting PIN entry?
- Do you using an external card reader? (PCI PTS POI - not only SCRPs)
- Do you implementing an SE or a TEE?
- Do you support other relevant components?

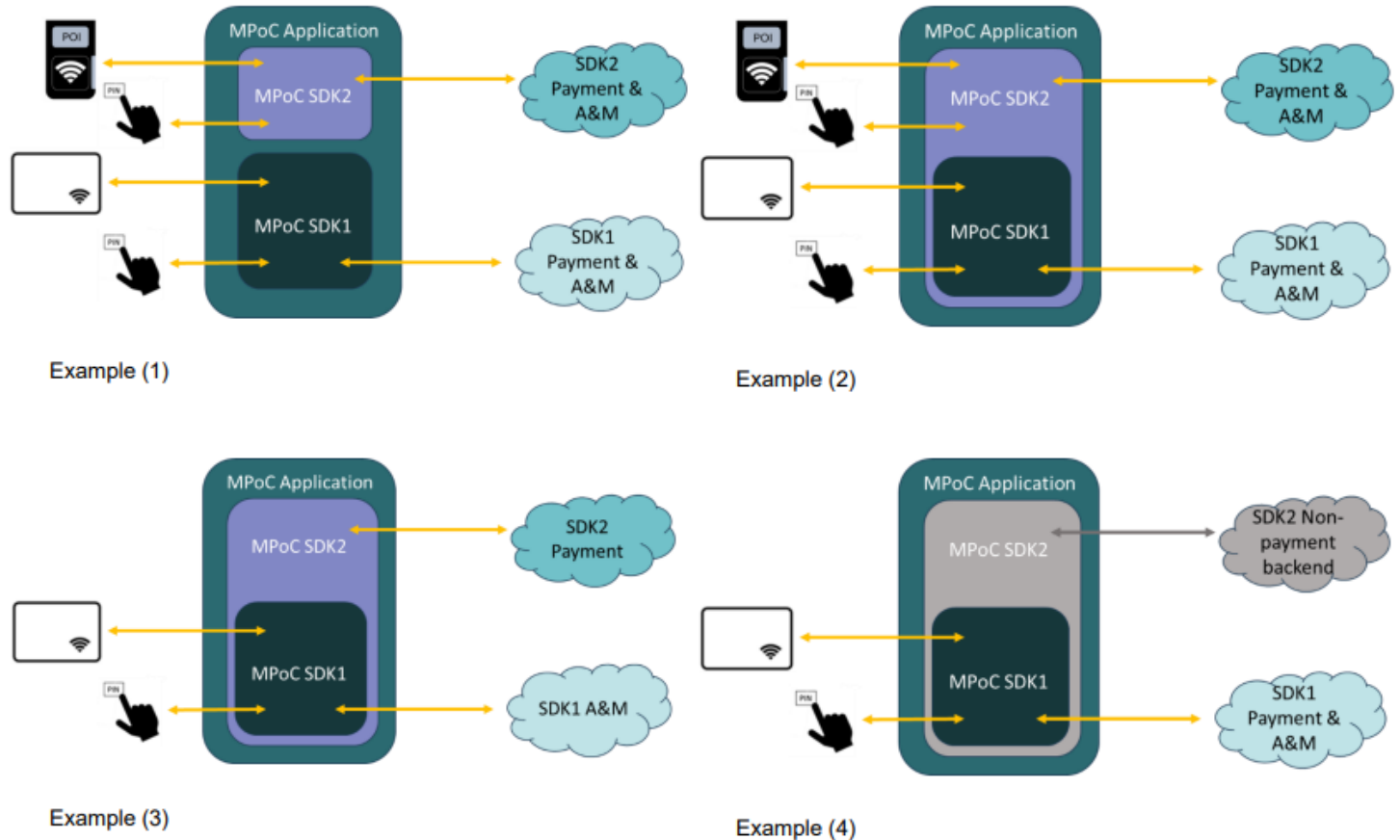


# PCI MPoC Implementations

## How did you implement them?

- Are you developing a monolithic solution?
- Are you a solution provider?
- Are you a software vendor?
- Are you a service provider?
- Did you integrate an SDK?

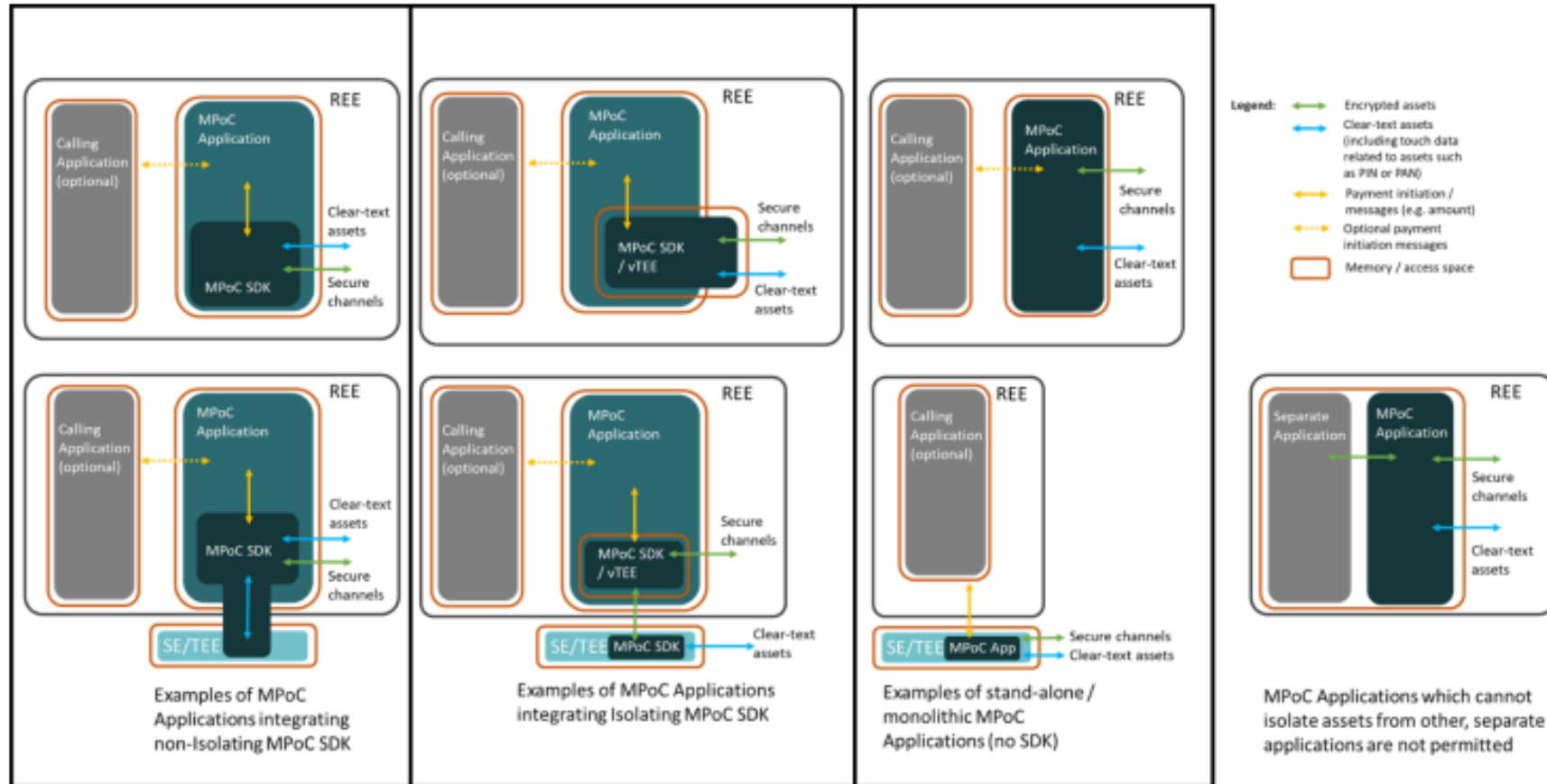
**Note:** The MPoC SDK does not pass sensitive assets to another MPoC SDK or MPoC Application. Additionally MPoC SDK provides a mechanism to validate its version number





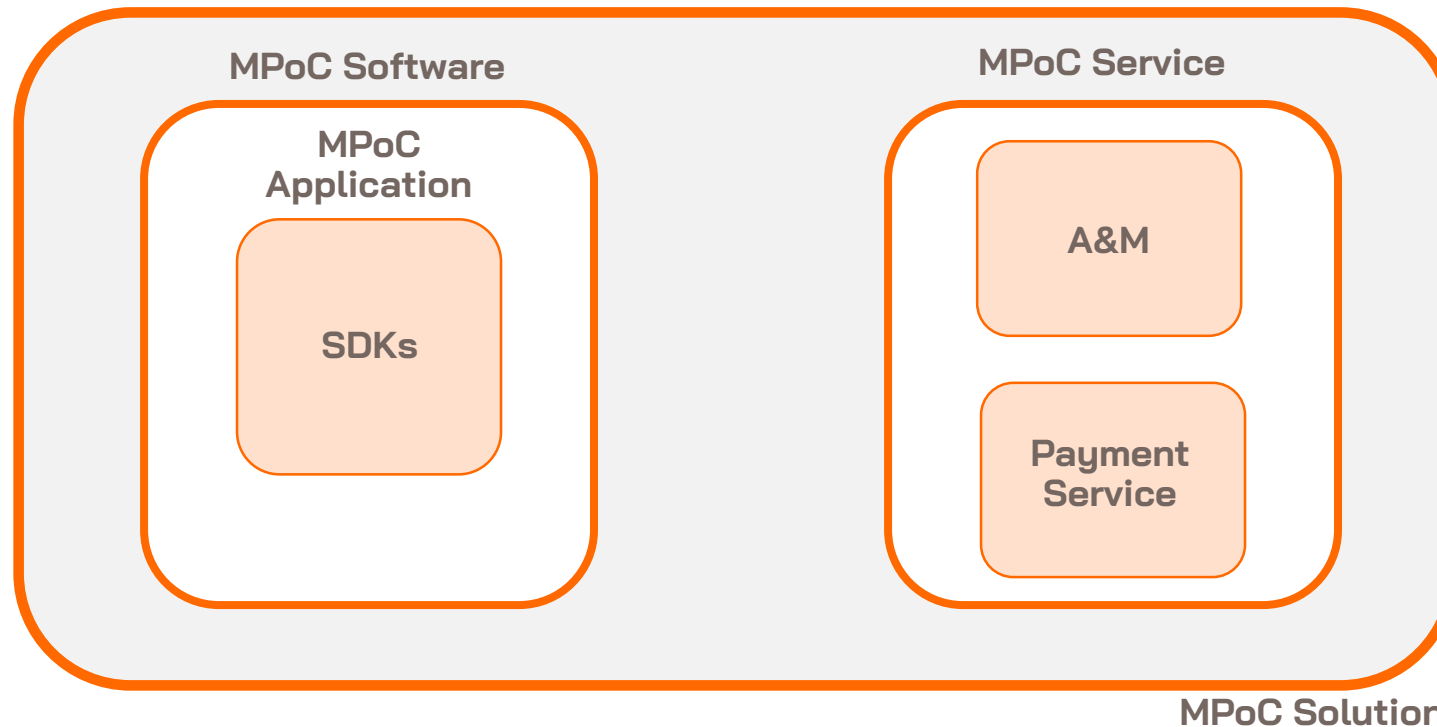
# PCI MPoC Implementations

Were did you implement the Application and SDK?



## PCI MPoC Certification Options

MPoC Monolithic Solution, MPoC Software, MPoC Service



**Note:**

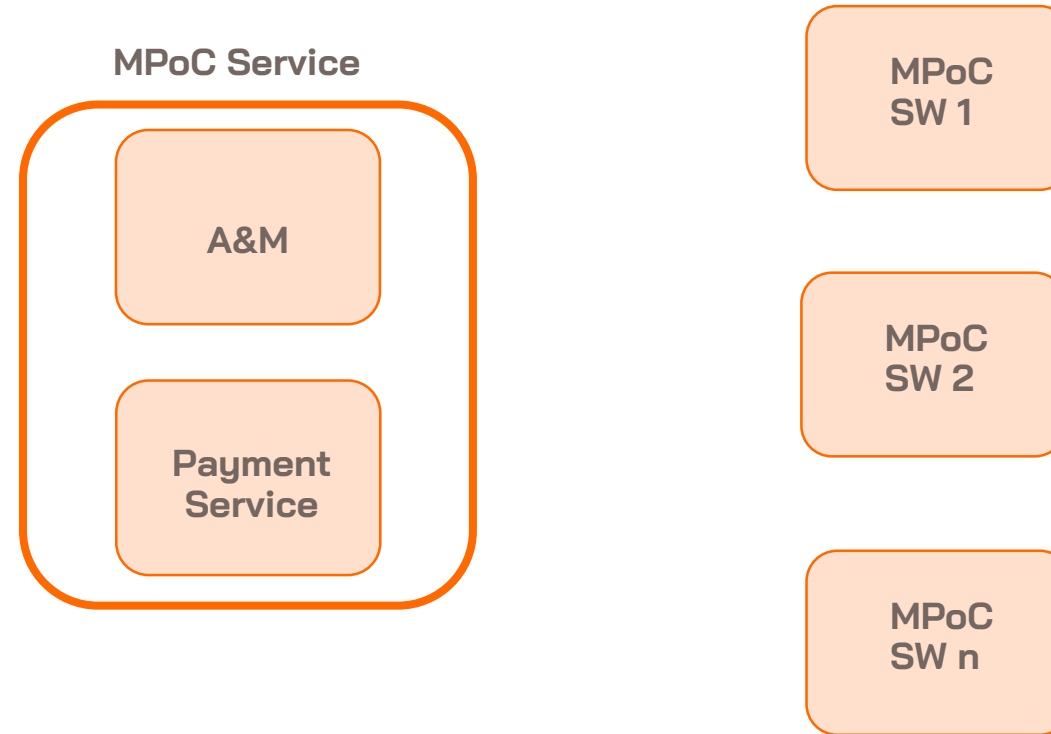
MPoC Standard require attended environment.

At a minimum, the solution includes the MPoC Application, attestation system, and the back-end systems and environments that perform attestation, monitoring, and payment processing

Use of MPoC implementations for non-payment acceptance, such as for transit validation where payment is processed by another system, is possible.

## PCI MPoC Certification Options

### MPoC Service in detail



#### Note:

An MPoC Service may be listed with multiple services provided—so a single MPoC Service listing may provide both A&M Services and Payment Services (Payment processing and key management services).

An MPoC Service may include listing of both MPoC SDKs and MPoC Applications.

## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓



## Summary of applicable requirements

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

## Summary of applicable requirements

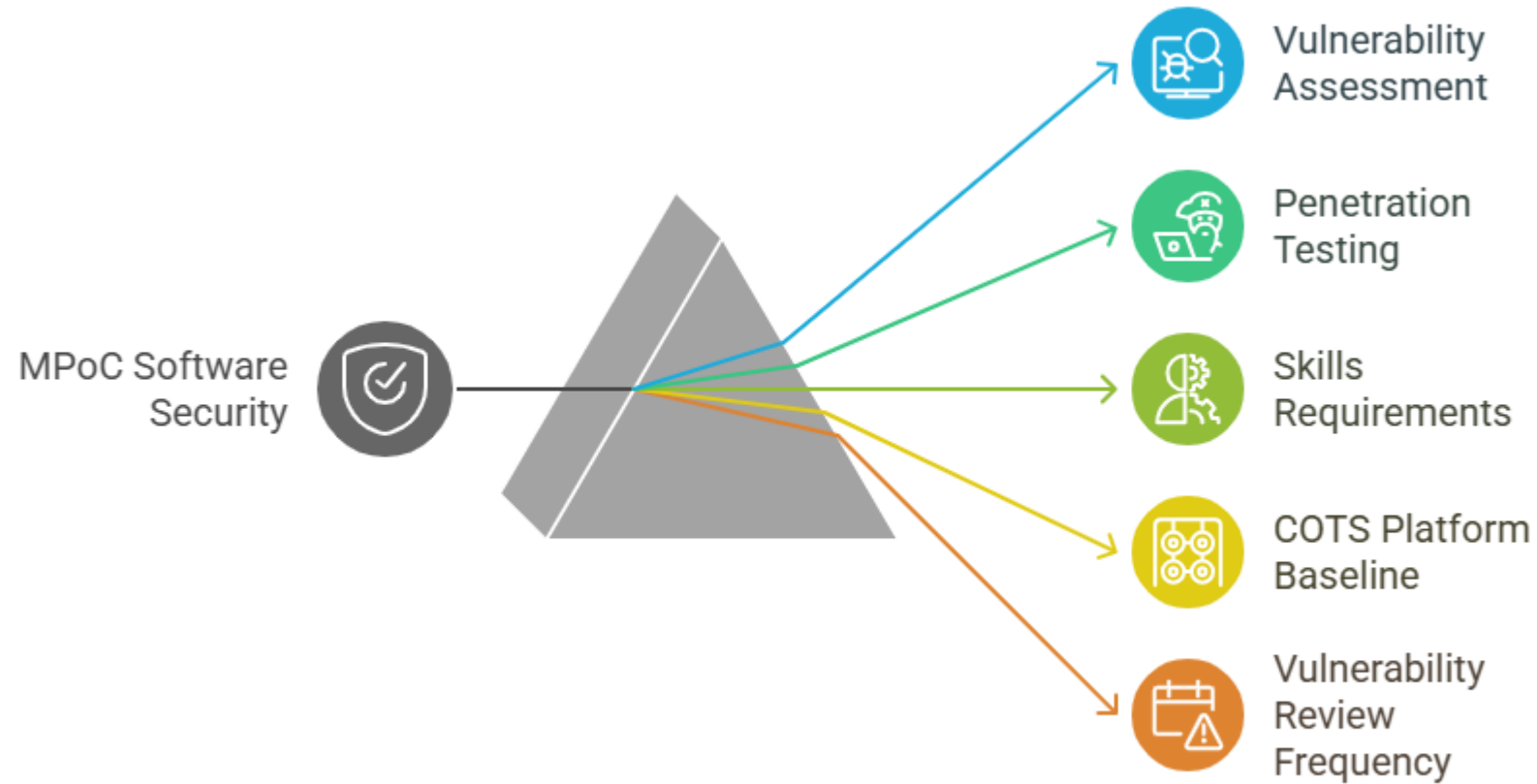
MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])						✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

# Summary of applicable requirements Self solution certification

MPoC Core Requirements	MPoC Software	MPoC Service (note 8)		MPoC Solution Integrating MPoC Software	MPoC Solution Integrating A&M Service	MPoC Solution Integrating A&M and Payment Service (NEW)	Monolithic MPoC Solution
		A&M	A&M & Payment Processing (NEW)				
Domain 1: MPoC Software Core Requirements	✓ (1D-1 [1,2], 1G-1[3])		✓ (1D-1 [1,2], 1G-1[3])				✓ (1D-1 [1,2], 1G-1 N/A) (1C-5 N/A and 1G-1 Applicable)
Domain 2: MPoC Application Integration	✓ (2A[3-10]-2B[3]) (domain 2 no applicable)		✓ (2A[3-10]-2B[4])	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4]) (2A applicable)	✓ (2A[3]-2B[4])	(domain 2 applicable)
Domain 3: Attestation and Monitoring		✓	✓	✓			✓ (3A-1 N/A)
Domain 4: MPoC Software Management	✓ (4A-1[5], 4A-2[6], 4A-4[9]) (4A-4 was 5A-3, 4A-3 N/A)	✓ (No 4A-1) (4A-4 was 5A-3)	✓ (4A-1[5])	✓ (4A-4 was 5A-3)	✓ (4A-3[7]) (4A-4 was 5A-3, 4A-3 applicable)	✓ (4A-2[6], 4A-3[7])	✓ (4A-4 was 5A-3)
Domain 5: MPoC Solution			✓ (No 5A-2)	✓	✓	✓	✓

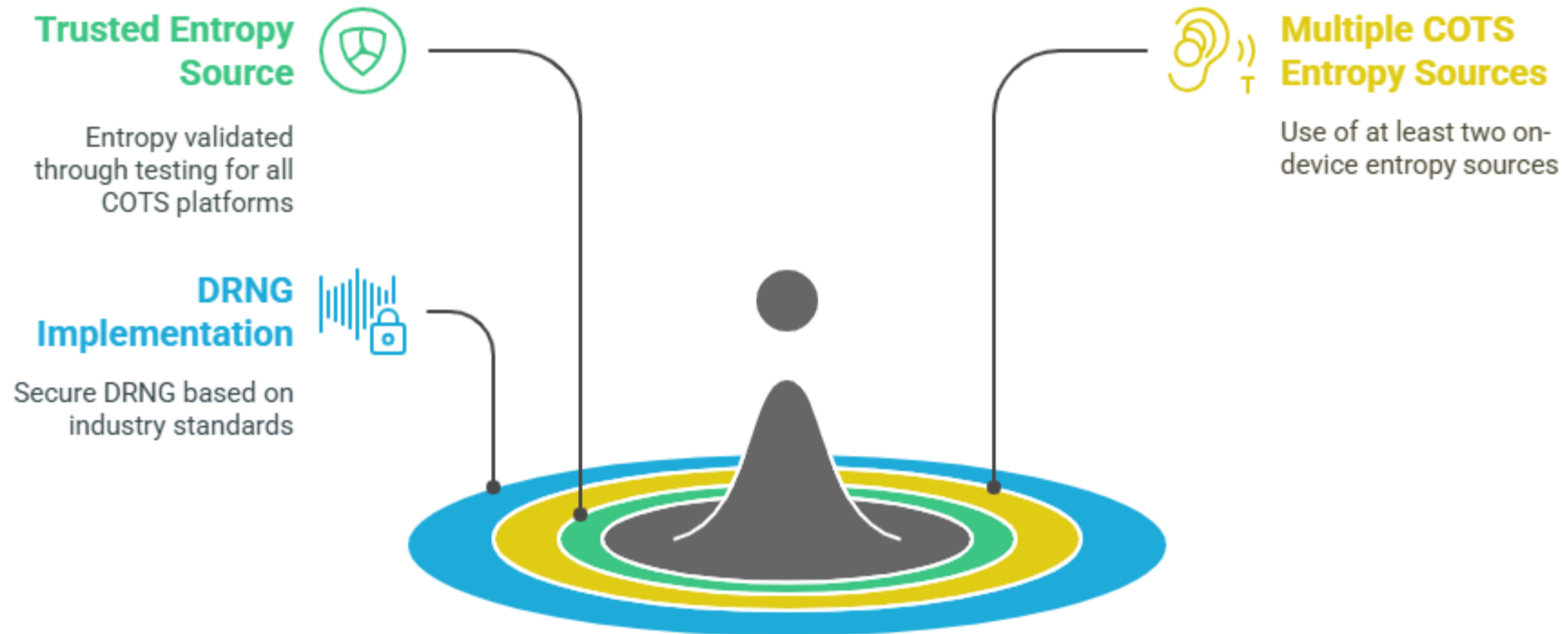
# PCI MPoC vulnerability assessments

## New and summary



## PCI MPoC RNG

### Entropy source



## PCI MPoC Keys

### How to manage cryptographic key

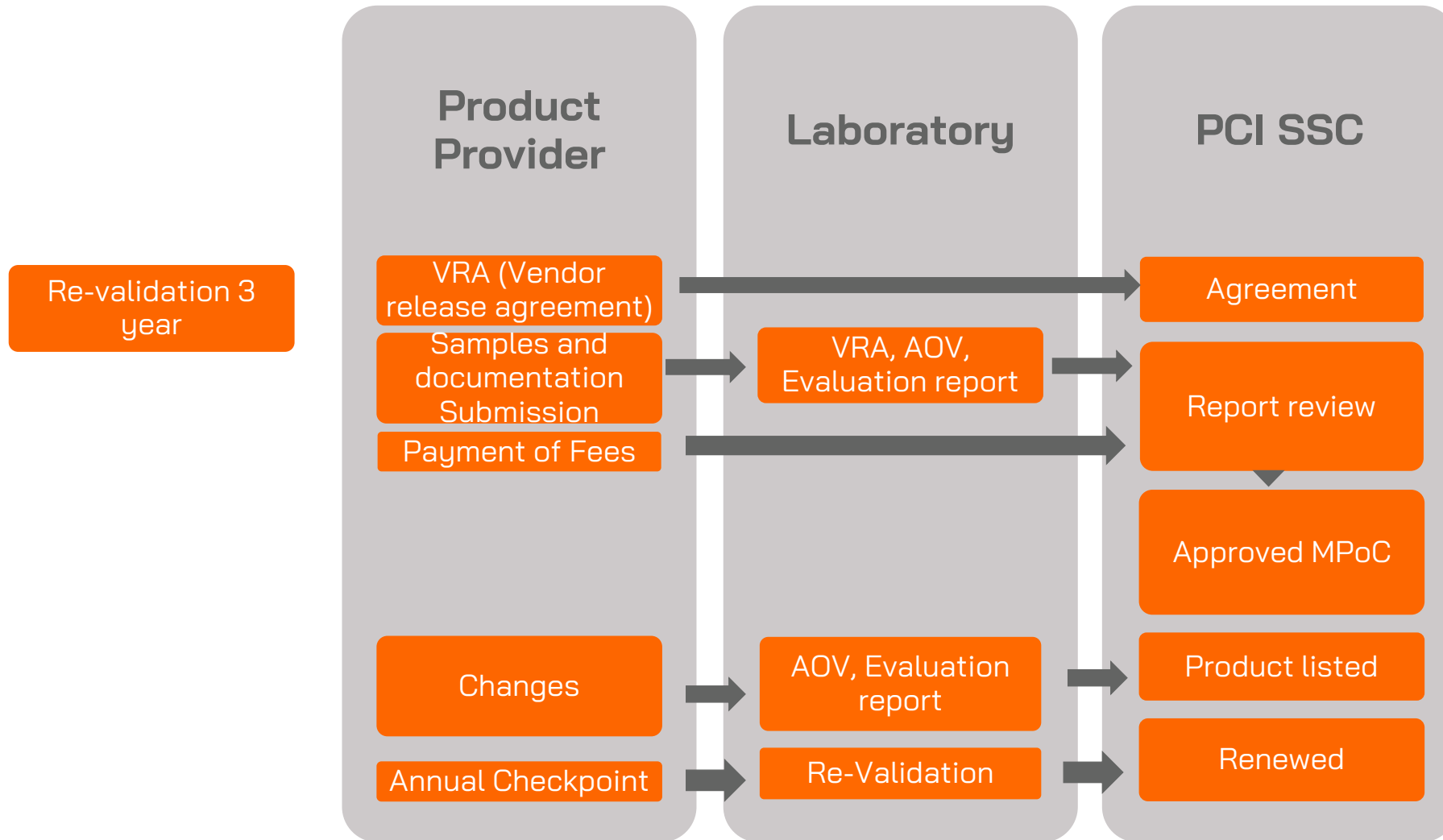


## General Documentation

The general documents could be found in [https://www.pcisecuritystandards.org/document\\_library/](https://www.pcisecuritystandards.org/document_library/)

	<b>Security Requirements</b>	
New	<b>MPoC Security and Test requirements</b>	Provides de security requirements and test requirements to comply.
Potential update	<b>MPoC Technical FAQs</b>	FAQS help as clarification of the scope and technical security requirements
	<b>Program</b>	
New	<b>MPoC Program Guide</b>	The MPoC Program Guide describes MPoC Program Requirements for candidate and existing MPoC Product Evaluation and Validation against the MPoC Standard by a PCI Recognized Laboratory, subsequent Acceptance by PCI SCC
	<b>Forms</b>	
To be updated	<b>MPoC Software, A&amp;M Service and Solution AOVs</b>	The Attestation of Validations of components: MPoC Software, Attestation and Monitoring Service and Solution (merchant-attended). Attestation of Validation forms are official documents used to certify that a particular mobile payment solution or component has been evaluated and meets the required security standards

# The PCI MPoC Process





Thanks!



Join us on



---

TESTING AND CERTIFICATION CENTER

[www.appluslaboratories.com](http://www.appluslaboratories.com)