

# Payment Card Industry Data Security Standard

## **Self-Assessment Questionnaire D for Service Providers and Attestation of Compliance**

For use with PCI DSS Version 4.0.1

Revision 2

Publication Date: January 2025



## **Document Changes**

Date	PCI DSS Version	SAQ Revision	Description	
October 2008	1.2		To align content with new PCI DSS v1.2 and to implement minor changes noted since original v1.1.	
October 2010	2.0		To align content with new PCI DSS v2.0 requirements and testing procedures.	
February 2014	3.0		To align content with PCI DSS v3.0 requirements and testing procedures and incorporate additional response options.	
April 2015	3.1		Updated to align with PCI DSS v3.1. For details of PCI DSS changes, see PCI DSS – Summary of Changes from PCI DSS Version 3.0 to 3.1.	
July 2015	3.1	1.1	Updated to remove references to "best practices" prior to June 30, 2015, and remove the PCI DSS v2 reporting option for Requirement 11.3.	
April 2016	3.2	1.0	Updated to align with PCI DSS v3.2. For details of PCI DSS changes, see PCI DSS – Summary of Changes from PCI DSS Version 3.1 to 3.2.	
January 2017	3.2	1.1	Updated version numbering to align with other SAQs.	
June 2018	3.2.1	1.0	Updated to align with PCI DSS v3.2.1. For details of PCI DSS changes, see PCI DSS – Summary of Changes from PCI DSS Version 3.2 to 3.2.1.	
April 2022	4.0		Updated to align with PCI DSS v4.0. For details of PCI DSS changes, see PCI DSS  – Summary of Changes from PCI DSS Version 3.2.1 to 4.0.	
			Rearranged, retitled, and expanded information in the "Completing the Self-Assessment Questionnaire" section (previously titled "Before You Begin").	
			Aligned content in Sections 1 and 3 of Attestation of Compliance (AOC) with PCI DSS v4.0 Report on Compliance AOC.	
			Added Section 2a to the Self-Assessment Questionnaire to specify additional documentation required for service provider self-assessments.	
			Added "Describe Results" to Section 2b (previously Section 2) for each PCI DSS requirement, for service providers to describe their testing results.	
			Added appendices to support new reporting responses.	
December 2022	4.0	1	Removed "In Place with Remediation" as a reporting option from Requirement Responses table, Attestation of Compliance (AOC) Part 2g, SAQ Section 2 Response column, and AOC Section 3. Also removed former Appendix C.	
			Added "In Place with CCW" to AOC Section 3.	
			Added guidance for responding to future-dated requirements.	
			Added minor clarifications and addressed typographical errors.	
May 2023	4.0	2	Errata Change – Unlocked document in Section 2a to allow diagrams to be added.	
August 2023	4.0	3	Updated AOC Part 2g to include a section to explain Not Tested and Not Applicable reporting responses.	
October 2024	4.0.1		Updated to align with PCI DSS v4.0.1. For details of PCI DSS changes, see PCI DSS – Summary of Changes from PCI DSS v4.0 to 4.0.1.	
			Added ASV Resource Guide to section "Additional PCI SSC Resources."	
December 2024	4.0.1	1	Errata Change – Corrected requirement number reference in Requirement 3.6.1.1.	
January 2025	4.0.1	2	Errata Change – In Document Changes table, updated November 2024 date in to reflect the December change date. Fixed Table of Contents so it is clickable.	



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## **Completing the Self-Assessment Questionnaire**

#### Service Provider Eligibility Criteria for Self-Assessment Questionnaire D

Self-Assessment Questionnaire (SAQ) D for Service Providers applies to all service providers defined by a payment brand as being eligible to complete a self-assessment questionnaire.

This SAQ is the ONLY SAQ option for service providers.

#### Defining Account Data, Cardholder Data, and Sensitive Authentication Data

PCI DSS is intended for all entities that store, process, or transmit cardholder data (CHD) and/or sensitive authentication data (SAD) or could impact the security of cardholder data and/or sensitive authentication data. Cardholder data and sensitive authentication data are considered account data and are defined as follows:

Account Data			
Cardholder Data includes:	Sensitive Authentication Data includes:		
<ul> <li>Primary Account Number (PAN)</li> <li>Cardholder Name</li> <li>Expiration Date</li> <li>Service Code</li> </ul>	<ul> <li>Full track data (magnetic-stripe data or equivalent on a chip)</li> <li>Card verification code</li> <li>PINs/PIN blocks</li> </ul>		

Refer to PCI DSS Section 2, PCI DSS Applicability Information, for further details.

#### **PCI DSS Self-Assessment Completion Steps**

- 1. Per the eligibility criteria in this SAQ and as spelled out in the Self-Assessment Questionnaire Instructions and Guidelines document on PCI SSC website, this SAQ is the ONLY SAQ OPTION for service providers.
- 2. Confirm that the service provider environment is properly scoped.
- 3. Assess environment for compliance with PCI DSS requirements.
- 4. Complete all sections of this document:
  - Section 1: Assessment Information (Parts 1 & 2 of the Attestation of Compliance (AOC) Contact Information and Executive Summary).
  - Section 2:
    - 2a Details about Reviewed Environment.
    - o 2b Self-Assessment Questionnaire D for Service Providers.
  - Section 3: Validation and Attestation details (Parts 3 & 4 of the AOC PCI DSS Validation and Action Plan for Non-Compliant Requirements (if Part 4 is applicable)).



5. Submit the SAQ and AOC, along with any other requested documentation—such as ASV scan reports—to the requesting organization (those organizations that manage compliance programs such as payment brands and acquirers).

#### **Expected Testing**

The instructions provided in the "Expected Testing" column are based on the testing procedures in PCI DSS and provide a high-level description of the types of testing activities that an entity is expected to perform to verify that a requirement has been met.

The intent behind each testing method is described as follows:

- Examine: The entity critically evaluates data evidence. Common examples include documents (electronic or physical), screenshots, configuration files, audit logs, and data files.
- Observe: The entity watches an action or views something in the environment. Examples of
  observation subjects include personnel performing a task or process, system components performing
  a function or responding to input, environmental conditions, and physical controls.
- Interview: The entity converses with individual personnel. Interview objectives may include confirmation of whether an activity is performed, descriptions of how an activity is performed, and whether personnel have particular knowledge or understanding.

The testing methods are intended to allow the entity to demonstrate how it has met a requirement. The specific items to be examined or observed and personnel to be interviewed should be appropriate for both the requirement being assessed and the entity's particular implementation.

Full details of testing procedures for each requirement can be found in PCI DSS.



## **Requirement Responses**

For each requirement item, there is a choice of responses to indicate the entity's status regarding that requirement. *Only one response should be selected for each requirement item.* 

A description of the meaning for each response and how to report the testing performed is provided in the table below:

Response	When to use this response:	Service Provider Required Reporting
In Place	The expected testing has been performed, and all elements of the requirement have been met as stated.	Briefly describe how the testing and evidence demonstrates the requirement is In Place.
In Place with CCW (Compensating Controls Worksheet)	The expected testing has been performed, and the requirement has been met with the assistance of a compensating control.	Briefly describe which aspect(s) of the requirement where a compensating control(s) was used.  All responses in this column also require completion of a Compensating Controls Worksheet (CCW) in Appendix B of this SAQ.
		Information on the use of compensating controls and guidance on how to complete the CCW is provided in PCI DSS Appendices B and C.
Not Applicable	The requirement does not apply to the entity's environment. (See "Guidance for Not Applicable Requirements" below for examples.)	Briefly describe the results of testing performed that demonstrate the requirement is Not Applicable.
		All responses in this column also require a supporting explanation in Appendix C of this SAQ.
Not Tested	The requirement was not included for consideration in the assessment and was not tested in any way. (See "Understanding the Difference between Not Applicable and Not Tested" below for examples of when this option should be used.)	Briefly describe why this requirement was excluded from the assessment.  All responses in this column also require a supporting explanation in Appendix D of this SAQ.
Not in Place	Some or all elements of the requirement have not been met, or are in the process of being implemented, or require further testing before the entity can confirm they are in place. This response is also used if a requirement cannot be met due to a legal restriction. (See "Legal Exception" below for more guidance).	Briefly describe how the testing and evidence demonstrates the requirement is Not in Place.  Responses in this column may require the completion of Part 4, if requested by the entity to which this SAQ will be submitted.  If the requirement is not in place due to a legal restriction, describe the statutory law or regulation that prohibits the requirement from being met and complete the relevant attestation in Part 3 of this SAQ.



#### **Guidance for Not Applicable Requirements**

While many entities completing SAQ D will need to validate compliance with every PCI DSS requirement, some entities with very specific business models may find that some requirements do not apply. For example, entities that do not use wireless technology in any capacity are not expected to comply with the PCI DSS requirements that are specific to managing wireless technology. Similarly, entities that do not store any account data electronically at any time are not expected to comply with the PCI DSS requirements related to secure storage of account data (for example, Requirement 3.5.1). Another example is requirements specific to application development and secure coding (for example, Requirements 6.2.1 through 6.2.4), which only apply to an entity with bespoke software (developed for the entity by a third party per the entity's specifications) or custom software (developed by the entity for its own use).

For each response where Not Applicable is selected in this SAQ, complete Appendix C: Explanation of Requirements Noted as Not Applicable.

#### Understanding the Difference between Not Applicable and Not Tested

Requirements that are deemed to be not applicable to an environment must be verified as such. Using the wireless example above, for an entity to select "Not Applicable" for Requirements 1.3.3, 2.3.1, 2.3.2, and 4.2.1.2, the entity first needs to confirm that there are no wireless technologies used in their cardholder data environment (CDE) or that connect to their CDE. Once this has been confirmed, the organization may select "Not Applicable" for those specific requirements.

If a requirement is completely excluded from review without any consideration as to whether it *could* apply, the Not Tested response should be selected. Examples of situations where this could occur include:

- An entity is asked by their acquirer to validate a subset of requirements—for example, using the PCI DSS Prioritized Approach to validate only certain milestones.
- An entity is confirming a new security control that impacts only a subset of requirements—for example, implementation of a new encryption methodology that only requires assessment of PCI DSS Requirements 2, 3, and 4.
- A service provider organization offers a service which covers only a limited number of PCI DSS requirements—for example, a physical storage provider that is only confirming the physical security controls per PCI DSS Requirement 9 for their storage facility.

In these scenarios, the entity's assessment only includes certain PCI DSS requirements even though other requirements might also apply to their environment.

If any requirements are completely excluded from the entity's self-assessment, select Not Tested for that specific requirement, and complete Appendix D: Explanation of Requirements Not Tested for each Not Tested entry. An assessment with any Not Tested responses is a "Partial" PCI DSS assessment and will be noted as such by the entity in the Attestation of Compliance in Section 3, Part 3 of this SAQ.



#### Guidance for Responding to Future Dated Requirements

In Section 2 below, each PCI DSS requirement or bullet with an extended implementation period includes the following note: "This requirement [or bullet] is a best practice until 31 March 2025, after which it will be required and must be fully considered during a PCI DSS assessment."

These new requirements are not required to be included in a PCI DSS assessment until the future date has passed. Prior to that future date, any requirements with an extended implementation date that have not been implemented by the entity may be marked as Not Applicable and documented in *Appendix C:* Explanation of Requirements Noted as Not Applicable.

#### Legal Exception

If your organization is subject to a legal restriction that prevents the organization from meeting a PCI DSS requirement, select Not in Place for that requirement and complete the relevant attestation in Section 3, Part 3 of this SAQ.

**Note:** A legal exception is a legal restriction due to a local or regional law, regulation, or regulatory requirement, where meeting a PCI DSS requirement would violate that law, regulation, or regulatory requirement.

Contractual obligations or legal advice are not legal restrictions.

#### Use of the Customized Approach

SAQs cannot be used to document use of the Customized Approach to meet PCI DSS requirements. For this reason, the Customized Approach Objectives are not included in SAQs. Entities wishing to validate using the Customized Approach may be able to use the PCI DSS Report on Compliance (ROC) Template to document the results of their assessment.

Use of the Customized Approach is not supported in SAQs.

The use of the customized approach may be regulated by organizations that manage compliance programs, such as payment brands and acquirers. Questions about use of a customized approach should always be referred to those organizations. This includes whether an entity that is eligible for an SAQ may instead complete a ROC to use a customized approach, and whether an entity is required to use a QSA, or may use an ISA, to complete an assessment using the customized approach. Information about the use of the Customized Approach can be found in Appendices D and E of PCI DSS.



#### **Additional PCI SSC Resources**

Additional resources that provide guidance on PCI DSS requirements and how to complete the self-assessment questionnaire have been provided below to assist with the assessment process

Resource	Includes:		
PCI DSS  (PCI Data Security Standard  Requirements and Testing Procedures)	<ul> <li>Guidance on Scoping</li> <li>Guidance on the intent of all PCI DSS Requirements</li> <li>Details of testing procedures</li> <li>Guidance on Compensating Controls</li> <li>Appendix G: Glossary of Terms, Abbreviations, and Acronyms</li> </ul>		
SAQ Instructions and Guidelines	<ul> <li>Information about all SAQs and their eligibility criteria</li> <li>How to determine which SAQ is right for your organization</li> </ul>		
Frequently Asked Questions (FAQs)	Guidance and information about SAQs.		
Online PCI DSS Glossary	PCI DSS Terms, Abbreviations, and Acronyms		
Information Supplements and Guidelines	<ul> <li>Guidance on a variety of PCI DSS topics including:         <ul> <li>Understanding PCI DSS Scoping and Network Segmentation</li> <li>Third-Party Security Assurance</li> <li>Multi-Factor Authentication Guidance</li> <li>Best Practices for Maintaining PCI DSS Compliance</li> </ul> </li> </ul>		
Getting Started with PCI	<ul> <li>Resources for smaller merchants including:         <ul> <li>Guide to Safe Payments</li> <li>Common Payment Systems</li> <li>Questions to Ask Your Vendors</li> <li>Glossary of Payment and Information Security Terms</li> <li>PCI Firewall Basics</li> <li>ASV Resource Guide</li> </ul> </li> </ul>		

These and other resources can be found on the PCI SSC website (www.pcisecuritystandards.org).

Organizations are encouraged to review PCI DSS and other supporting documents before beginning an assessment.



#### **Section 1: Assessment Information**

#### Instructions for Submission

This document must be completed as a declaration of the results of the entity's self-assessment against the *Payment Card Industry Data Security Standard (PCI DSS) Requirements and Testing Procedures.* Complete all sections: The entity is responsible for ensuring that each section is completed by the relevant parties, as applicable. Contact the entity(ies) to which the Attestation of Compliance (AOC) will be submitted for reporting and submission procedures.

Part 1. Contact Information		
Part 1a. Assessed Entity		
Company name:	Radware	
DBA (doing business as):		
Company mailing address:	22 Raoul Wallenberg St, Tel Aviv, Israel	
Company main website:	Radware.com	
Company contact name:	Howard Taylor	
Company contact title:	CISO	
Contact phone number:	972-723917105	
Contact e-mail address:	howardta@radware.com	

#### Part 1b. Assessor

Provide the following information for all assessors involved in the assessment. If there was no assessor for a given assessor type, enter Not Applicable.

PCI SSC Internal Security Assessor(s)		
ISA name(s):	Not Applicable	
Qualified Security Assessor		
Company name:	Not Applicable	
Company mailing address:		
Company website:		
Lead Assessor Name:		
Assessor phone number:		
Assessor e-mail address:		
Assessor certificate number:		



Part 2. Executive Summary				
Part 2a. Scope Verification				
Services that were INCLUDED in the scope of the PCI DSS Assessment (select all that apply):				
Name of service(s) assessed: Cloud Security Services - Cloud Web Application Frewall (CWAF)				
Type of service(s) assessed:				
Hosting Provider:	Managed Services:	Payment Processing:		
☐ Applications / software	Systems security services	☐ POI / card present		
☐ Hardware	☐ IT support	☐ Internet / e-commerce		
☐ Infrastructure / Network	☐ Physical security	☐ MOTO / Call Center		
☐ Physical space (co-location)	☐ Terminal Management System	☐ATM		
☐ Storage	☐ Other services (specify):	☐ Other processing (specify):		
☐ Web-hosting services				
☐ Security services				
☐ 3-D Secure Hosting Provider				
☐ Multi-Tenant Service Provider				
Other Hosting (specify):				
☐ Account Management	☐ Fraud and Chargeback	☐ Payment Gateway/Switch		
☐ Back-Office Services	☐ Issuer Processing	☐ Prepaid Services		
☐ Billing Management	☐ Loyalty Programs	☐ Records Management		
☐ Clearing and Settlement	☐ Merchant Services	☐ Tax/Government Payments		
☐ Network Provider				
Others (specify):				
<b>Note</b> : These categories are provided for assistance only and are not intended to limit or predetermine an entity's service description. If these categories do not apply to the assessed service, complete "Others." If it is not clear whether a category could apply to the assessed service, consult with the entity(ies) to which this AOC will be submitted.				



Part 2. Executive Summary (continued)			
Part 2a. Scope Verification (continued)			
Services that are provided by the service provider but were NOT INCLUDED in the scope of the PCI DSS Assessment (select all that apply):			
Name of service(s) not assessed:	None		
Type of service(s) not assessed:			
Hosting Provider:  Applications / software  Hardware  Infrastructure / Network  Physical space (co-location)  Storage  Web-hosting services  Security services  3-D Secure Hosting Provider  Multi-Tenant Service Provider  Other Hosting (specify):	Managed Services:  Systems security services  IT support Physical security Terminal Management System Other services (specify):		Payment Processing:  POI / card present Internet / e-commerce MOTO / Call Center ATM Other processing (specify):
☐ Account Management ☐ Back-Office Services	☐ Fraud and Cha		☐ Payment Gateway/Switch ☐ Prepaid Services
☐ Billing Management	☐ Loyalty Progra	ms	☐ Records Management
☐ Clearing and Settlement	☐ Merchant Serv	ices	☐ Tax/Government Payments
☐ Network Provider			
Others (specify):			
Provide a brief explanation why any were not included in the assessmen			
Part 2b. Description of Role wit			
Describe how the business stores, processes, and/or transmits account data.		Radware receives transaction traffic from the customer. The trasaction is evaluated for malcious content and then routed on to the customer	
		Radware's Cloud Web Application Firewall (CWAF) Service protects web applications and application programming interfaces ("APIs") (the "Protected Assets") against Web application layer attacks. The Service is provided through a global network of distributed Points of Presence ("PoPs"), using an optimized and highly available architecture. This architecture enhances the Service's performance and availability. The Service's PoPs are located at major traffic hubs with connections to tier-1 ISPs, striving for low	

Security Standards Council	
	latency and minimal impact on Protected Asset's performance. The Service features a Customer Service Portal, which provides visibility into the alerts and functions of the Service. Configuration options, such as uploading SSL certificates, signature files and application definitions may be defined and managed using the Service Portal.
Describe how the business is otherwise involved in or has the ability to impact the security of its customers' account data.	The customer is responsible for informing Radware of the web applications to be secured by the CWAF service. if the applications are ot added to the list of protected applications, the service will not protect them. The customer may decide to disconnect from the service at any time.
Describe system components that could impact the security of account data.	The service is built for extremely high availability (99.99%). The BC / DR plans are tested annaully.
	Security events, logs and configguration data is stored in an encrypted databased accessed

#### Part 2c. Description of Payment Card Environment

Provide a *high-level* description of the environment covered by this assessment.

#### For example:

- Connections into and out of the cardholder data environment (CDE).
- Critical system components within the CDE, such as POI devices, databases, web servers, etc., and any other necessary payment components, as applicable.
- System components that could impact the security of account data.

Service Overview Radware's Cloud Web Application Firewall (CWAF) Service protects web applications and application programming interfaces ("APIs") (the "Protected Assets") against Web application layer attacks. The Service is provided through a global network of distributed Points of Presence ("PoPs"), using an optimized and highly available architecture. This architecture enhances the Service's performance and availability. The Service's PoPs are located at major traffic hubs with connections to tier-1 ISPs, striving for low latency and minimal impact on Protected Asset's performance. The Service features a Customer Service Portal, which provides visibility into the alerts and functions of the Service. Configuration options, such as uploading SSL certificates, signature files and application definitions may be defined and managed using the Service Portal.

through the Customer Service Portal. Access to the portal is adminstered by the customer.

Indicate whether the environment includes segmentation to reduce the scope of the assessment.	⊠ Yes □ No	
(Refer to "Segmentation" section of PCI DSS for guidance on segmentation.)		



#### Part 2d. In-Scope Locations/Facilities

List all types of physical locations/facilities (for example, corporate offices, data centers, call centers, and mail rooms) in scope for the PCI DSS assessment.

Facility Type	Total number of locations  (How many locations of this type are in scope)	Location(s) of facility (city, country)
Example: Data centers	3	Boston, MA, USA
Cloud Operations Centers	3	Tel Aviv, Israel New Jersey, USA Chenai, India
Hosting Facilities	23	Virginia, USA London, UK Sydney, Australia Tokyo, Japan, Chicago, USA Johannesburg, SA Petach Tikva, Israel Toronto, Canada Frankfurt, Germany Sao Paulo, Brazil Hong Kong Seoul, Korea Taiwan, RoC San Jose, USA Paris, France Amsterdam,Netherlands Colina, Chile Singapore Mumbai, India Auckland, New Zeland Dubai, UAE Milano, Italy Dallas, USA



#### Part 2e. PCI SSC Validated Products and Solutions

Does the entity use any item identified on any PCI SSC Lists of Validated Products and Solutions.*?	
☐ Yes   No	
Provide the following information regarding each item the entity uses from PCI SSC's Lists of Validated	

Provide the following information regarding each item the entity uses from PCI SSC's Lists of Validated Products and Solutions.

Name of PCI SSC validated Product or Solution	Version of Product or Solution	PCI SSC Standard to which product or solution was validated	PCI SSC listing reference number	Expiry date of listing (YYYY-MM-DD)
				YYYY-MM-DD

<sup>•</sup> For purposes of this document, "Lists of Validated Products and Solutions" means the lists of validated products, solutions, and/or components, appearing on the PCI SSC website (<a href="www.pcisecuritystandards.org">www.pcisecuritystandards.org</a>)—for example, 3DS Software Development Kits, Approved PTS Devices, Validated Payment Software, Point to Point Encryption (P2PE) solutions, Software-Based PIN Entry on COTS (SPoC) solutions, Contactless Payments on COTS (CPoC) solutions, and Mobile Payments on COTS (MPoC) products.



#### Part 2f. Third-Party Service Providers

Store, process, or transmit account data on the entity's behalf (for example, payment gateways, payment processors, payment service providers (PSPs), and off-site storage)	Yes	⊠ No
Manage system components included in the scope of the entity's PCI DSS assessment—for example, via network security control services, anti-malware services, security incident and event management (SIEM), contact and call centers, web-hosting services, and laaS, PaaS, SaaS, and FaaS cloud providers.	⊠ Yes	□ No
Could impact the security of the entity's CDE—for example, vendors providing support via remote access, and/or bespoke software developers.	⊠ Yes	□No
If Yes:		
If Yes:  Name of service provider:  Description of service(s) provided:		
Name of service provider:  Description of service(s) provided:		
Name of service provider:  Amazon Web Services (AWS), Inc.  Description of service(s) provided:  Cloud Service Hosting		
Name of service provider:       Description of service(s) provided:         Amazon Web Services (AWS), Inc.       Cloud Service Hosting         Google LLC (GCP)       Cloud Service Hosting		
Name of service provider:       Description of service(s) provided:         Amazon Web Services (AWS), Inc.       Cloud Service Hosting         Google LLC (GCP)       Cloud Service Hosting         IBM, SoftLayer Technologies. Inc.       Network Connectivity		
Name of service provider:         Description of service(s) provided:           Amazon Web Services (AWS), Inc.         Cloud Service Hosting           Google LLC (GCP)         Cloud Service Hosting           IBM, SoftLayer Technologies. Inc.         Network Connectivity           Microsoft Corporation (Azure)         Cloud Service Hosting		
Name of service provider:       Description of service(s) provided:         Amazon Web Services (AWS), Inc.       Cloud Service Hosting         Google LLC (GCP)       Cloud Service Hosting         IBM, SoftLayer Technologies. Inc.       Network Connectivity         Microsoft Corporation (Azure)       Cloud Service Hosting         Oracle (Dyn)       DNS service		
Name of service provider:       Description of service(s) provided:         Amazon Web Services (AWS), Inc.       Cloud Service Hosting         Google LLC (GCP)       Cloud Service Hosting         IBM, SoftLayer Technologies. Inc.       Network Connectivity         Microsoft Corporation (Azure)       Cloud Service Hosting         Oracle (Dyn)       DNS service		

Note: Requirement 12.8 applies to all entities in this list.



#### Part 2g. Summary of Assessment

(SAQ Section 2 and related appendices)

Indicate below all responses provided within each principal PCI DSS requirement.

For all requirements identified as either "Not Applicable" or "Not Tested," complete the "Justification for Approach" table below.

**Note:** One table to be completed for each service covered by this AOC. Additional copies of this section are available on the PCI SSC website.

Name of Service Assessed: Cloud Web Application Firewall (CWAF)

Name of Octobe Assessed. Global Web Application Filewall (OVAL)											
PCI DSS Requirement	Requirement Responses  More than one response may be selected for a given requirement.  Indicate all responses that apply.										
rtoquiionic	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place						
Requirement 1:											
Requirement 2:											
Requirement 3:											
Requirement 4:											
Requirement 5:	Requirement 5:										
Requirement 6:											
Requirement 7:											
Requirement 8:											
Requirement 9:											
Requirement 10:											
Requirement 11:											
Requirement 12:											
Appendix A1:											
Appendix A2:											
Justification for A	Approach										
For any Not Applicate requirements were					'						
For any Not Tested requirements were											



#### Section 2a: Details about Reviewed Environment

#### **Network Diagrams**

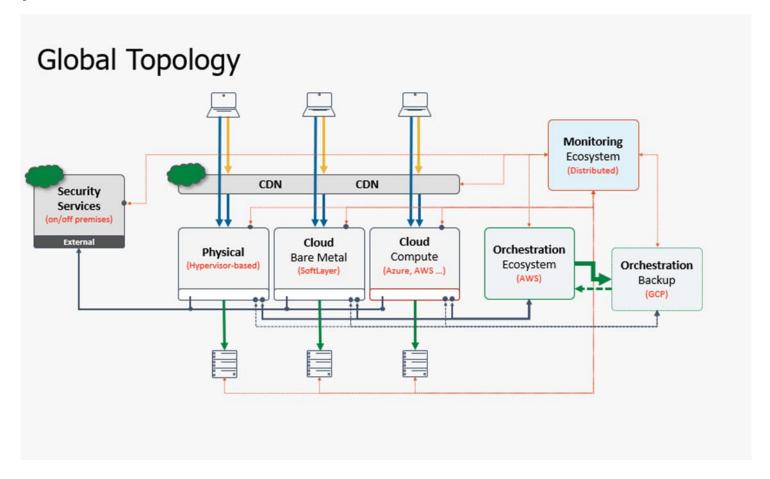
Provide one or more network diagrams that:

- Shows all connections between the CDE and other networks, including any wireless networks.
- Is accurate and up to date with any changes to the environment.
- Illustrates all network security controls that are defined for connection points between trusted and untrusted networks.
- Illustrates how system components storing cardholder data are not directly accessible from the untrusted networks.
- Includes the techniques (such as intrusion-detection systems and/or intrusion-prevention systems) that are in place to monitor all traffic:
  - At the perimeter of the cardholder data environment.
  - At critical points in the cardholder data environment.



<Insert diagram(s) here - one page/image at a time>









## Storage of Account Data

Identify all databases, tables, and files storing account data and provide the following details.

Data Store Database name, file server name, etc.	File name(s), Table names(s) and/or Field names	Account data elements stored For example, PAN, expiry, name, etc.	How data is secured For example, what type of encryption and strength, etc.	How access to data stores is logged  Description of logging mechanism used for logging access to data— for example, describe the enterprise log management solution, application-level logging, operating system logging, etc. in place
None				

## Storage of SAD

If SAD is stored complete the following:					
Note: Anywhere SAD is stored should be documented in the table above					
Indicate whether SAD is stored post authorization:	☐ Yes   ⊠ No				
Indicate whether SAD is stored as part of Issuer Functions:	☐ Yes ⊠ No				



## In-Scope System Component Types

Identify all types of system components in scope.

"System components" include network devices, servers, computing devices, virtual components, cloud components, and software. Examples of system components include but are not limited to:

- Systems that store, process, or transmit account data (for example, payment terminals, authorization systems, clearing systems, payment middleware systems, payment back-office systems, shopping cart and store front systems, payment gateway/switch systems, fraud monitoring systems).
- Systems that provide security services (for example, authentication servers, access control servers, security information and event management (SIEM) systems, physical security systems (for example, badge access or CCTV), multi-factor authentication systems, anti-malware systems).
- Systems that facilitate segmentation (for example, internal network security controls).
- Systems that could impact the security of account data or the CDE (for example, name resolution, or e-commerce (web) redirection servers).
- Virtualization components such as virtual machines, virtual switches/routers, virtual appliances, virtual applications/desktops, and hypervisors.
- Cloud infrastructure and components, both external and on premises, and including instantiations of containers or images, virtual private clouds, cloud-based identity and access management, CDEs residing on premises or in the cloud, service meshes with containerized applications, and container orchestration tools.
- Network components, including but not limited to network security controls, switches, routers, CDE network devices, wireless access points, network appliances, and other security appliances.
- Server types, including but not limited to web, application, database, authentication, mail, proxy, Network Time Protocol (NTP), and Domain Name System (DNS).
- End-user devices, such as computers, laptops, workstations, administrative workstations, tablets, and mobile devices.
- Printers, and multi-function devices that scan, print, and fax.
- Storage of account data in any format (for example, paper, data files, audio files, images, and video recordings).
- Applications, software, and software components, serverless applications, including all purchased, subscribed (for example, Software-as-a-Service), bespoke and custom software, including internal and external (for example, Internet) applications.
- Tools, code repositories, and systems that implement software configuration management or for deployment of objects to the CDE or to systems
  that can impact the CDE.



For each in-scope system component type, even if it resides within another system component, list below with each component with different roles, vendors, or make/model/version on separate rows. If extra rows are needed, document that separately and consult with the entity to which this SAQ will be submitted about how to provide that information.

Type of System Component For example, application, firewall, server, IDS, Anti-malware software, database, etc.	Total number of system components How many system components of this type are in scope	Vendor	Product Name and Version	Role/ Function Description
Load-Balancer	78	Radware	Alteon 33.0.1.0	
DDoS Mitigation Device	126	Radware	DefensePro 8.28.0.0	
Web Application Mitigationr	3121	Radware	App Wall Appliance 7.6.16.10	
Web Proxy Server	425	Radware	Alcon Appliance 1.15.0	
Access/Edge/Cores Routers	60	Juniper	MX204 20,4R3.8	
Access Routers	36	CISCO	ASR1000/2/6 16.5.1b	
Data/Access Switch	6	Juniper	EX4550-32F 15.1R7.9	
Data/Access Switch	32	Juniper	EX4600 20.2R3.9	
Data/Access Switch	12	Juniper	EX4650-48Y 18.4R2.7	
Core Switch Switch	6	Juniper	MX10003 20.2R3.9	
Edge / Core Routers	62	Juniper	QFX10002-36Q 19.2R3.5	
Core Switch Switch	18	Juniper	QFX5210-64C 19.2R3.5	
Mgmt/Data Switch	44	Juniper	EX-2300 20.2R3-S1.3	
Firewall	50	Fortinet	Fortigate v6.4.6,build1879	
Firewall	23	Juniper	VSRX 21.4R3.15	
Mgmt/Access Switch	56	CISCO	Nexus 7.0(3)I7(3)	



Servers	126	Nexus 7.0(3)17(3)	Vmware ESXI 7.0.3	



## **Quarterly Scan Results**

Identify each quarterly ASV scan performed within the last 12 months in the table below. Refer to PCI DSS Requirement 11.3.2 for information about initial PCI DSS assessments against the ASV scan requirements.

Date of the scan(s)	Name of ASV that performed the scan	found that i	ulnerabilities resulted in a tial scan?	For all scans resulting in a Fail, provide date(s) of re-scans showing that the vulnerabilities have been corrected				
		Yes No						
December 2024	Beyound Security							
March 2025	Beyound Security		$\boxtimes$					
June 2025	Beyound Security		$\boxtimes$					
September 2025	Beyound Security		$\boxtimes$					
Indicate whether this is the a scan requirements.	essessed entity's initial PCI DSS	☐ Yes ☒ No						
•	he document the assessor verificedures requiring scanning at l							
Assessor comments, if appli	cable:							
Attestations of Scan Compliance  The scan must cover all externally accessible (Internet-facing) IP addresses in existence at the entity, in accordance with the PCI DSS Approved Scanning Vendors (ASV) Program Guide.								
Compliance confirming that	nd the assessed entity complete all externally accessible (Interne appropriately scoped for the AS	⊠ Yes □ No						



## Section 2b: Self-Assessment Questionnaire D for Service Providers

Note: The following requirements mirror the requirements in the PCI DSS Requirements and Testing Procedures document.

Self-assessment completion date: 2025-10-05

## **Build and Maintain a Secure Network and Systems**

Requirement 1: Install and Maintain Network Security Controls

	PCI DSS Requirement		Expected Testing	Response *  (Check one response for each re	ch requiremen	quirement <b>)</b>		
				In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>1.1</b> Prod	1.1 Processes and mechanisms for installing and maintaining network security controls are defined and understood.							
<ul><li>1.1.1 All security policies and operational procedures identified in Requirement 1 are:</li><li>Documented.</li></ul>	All security policies and operational procedures that are identified in Requirement 1 are:	•	Examine documentation. Interview personnel.					
	Documented.		•	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
	<ul> <li>Kept up to date.</li> <li>In use.</li> <li>Known to all affected parties.</li> </ul>							
1.1.2	Roles and responsibilities for performing activities in Requirement 1 are documented, assigned, and	•	Examine documentation. Interview responsible	$\boxtimes$				
	understood.	personnel.	Describe results as instructed in "Requirement Responses" (page v)					
1.2 Net	work security controls (NSCs) are configured and maintained	l.						
1.2.1	.2.1 Configuration standards for NSC rulesets are:	•	Examine configurations standards.					
		Implemented.	•	Examine configuration settings.	Describe res	ults as instruct	ed in "Require	ment Respons

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



PCI DSS Requirement		Expected Testing	(	Check one res	Response •	ch requiremen	nt)
	r or boo requirement	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
1.2.2	All changes to network connections and to configurations of NSCs are approved and managed in accordance with the change control process defined at Requirement 6.5.1.	<ul> <li>Examine documented procedures.</li> <li>Examine network configurations.</li> <li>Examine change control records.</li> <li>Interview responsible personnel.</li> </ul>					
	Applicability Notes	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)	
	Changes to network connections include the addition, rem connection.  Changes to NSC configurations include those related to the those affecting how it performs its security function.						
1.2.3	An accurate network diagram(s) is maintained that shows all connections between the CDE and other networks, including any wireless networks.	Examine network diagrams.     Examine network configurations.     Interview responsible personnel.					
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
	A current network diagram(s) or other technical or topolog network connections and devices can be used to meet thi						



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
	. 5. 200 100 42		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
1.2.4	<ul> <li>An accurate data-flow diagram(s) is maintained that meets the following:</li> <li>Shows all account data flows across systems and networks.</li> <li>Updated as needed upon changes to the environment.</li> </ul>	<ul> <li>Examine data flow diagrams.</li> <li>Observe network configurations.</li> <li>Examine documentation.</li> <li>Interview responsible personnel.</li> </ul>						
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)	
	A data-flow diagram(s) or other technical or topological so account data across systems and networks can be used to							
1.2.5	All services, protocols and ports allowed are identified,	Examine documentation.						
	approved, and have a defined business need.	Examine configuration settings.	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)	
1.2.6	Security features are defined and implemented for all	Examine documentation.	$\boxtimes$					
	services, protocols, and ports that are in use and considered to be insecure, such that the risk is mitigated.	Examine configuration settings.	Describe res	ults as instruct	ed in "Requirei	ment Respons	es" (page v)	
1.2.7	Configurations of NSCs are reviewed at least once	Examine documented	$\boxtimes$					
every six months to confirm th effective.	every six months to confirm they are relevant and effective.	<ul> <li>procedures.</li> <li>Examine documentation from reviews performed.</li> <li>Examine configuration settings.</li> </ul>	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)	



	PCI DSS Requirement	Expected Testing		Check one res	Response • heck one response for each requirement)				
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
1.2.8	Configuration files for NSCs are:  • Secured from unauthorized access.  • Kept consistent with active network configurations.	Examine NSC configuration files.							
	Applicability Notes		Describe res	cults as instruct	ed in "Require	ment Respons	es" (page v)		
	Any file or setting used to configure or synchronize NSCs is considered to be a "configuration file." This includes files, automated and system-based controls, scripts, settings, infrastructure as code, or other parameters that are backed up, archived, or stored remotely.								
<b>1.3</b> Net	work access to and from the cardholder data environment is	restricted.							
1.3.1	<ul> <li>Inbound traffic to the CDE is restricted as follows:</li> <li>To only traffic that is necessary.</li> <li>All other traffic is specifically denied.</li> </ul>	<ul> <li>Examine NSC configuration standards.</li> <li>Examine NSC configurations.</li> </ul>							
			Describe results as instructed in "Requirement Responses" (page v)						
			Radware does not maintain a CDE						
1.3.2	Outbound traffic from the CDE is restricted as follows:	<ul> <li>Examine NSC configuration standards.</li> <li>Examine NSC configurations.</li> </ul>							
	<ul><li>To only traffic that is necessary.</li><li>All other traffic is specifically denied.</li></ul>		Describe results as instructed in "Requirement Responses" (page v)						
	All other traine is specifically deflied.		Radware does not maintain a CDE						
1.3.3	NSCs are installed between all wireless networks and	Examine configuration							
	the CDE, regardless of whether the wireless network is a CDE, such that:	settings.  • Examine network	Describe results as instructed in "Requirement Responses" (page v)						
	<ul> <li>All wireless traffic from wireless networks into the CDE is denied by default.</li> <li>Only wireless traffic with an authorized business purpose is allowed into the CDE.</li> </ul>	diagrams.	Radware o	loes not maii	ntain a CDE				
1.4 Net	work connections between trusted and untrusted networks a	re controlled.							
1.4.1	NSCs are implemented between trusted and untrusted	Examine NSC configuration standards.							
	networks.		Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)		



PCI DSS Requirement		Expected Testing	(	ch requiremen	et)				
			In Place In Place Not with CCW Applicable			Not Tested	Not in Place		
		<ul><li>Examine current network diagrams.</li><li>Examine network configurations.</li></ul>							
1.4.2	<ul> <li>Inbound traffic from untrusted networks to trusted networks is restricted to:</li> <li>Communications with system components that are authorized to provide publicly accessible services, protocols, and ports.</li> <li>Stateful responses to communications initiated by system components in a trusted network.</li> <li>All other traffic is denied.</li> </ul>	Examine NSC documentation.     Examine NSC configurations.							
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)						
	The intent of this requirement is to address communication sessions between trusted and untrusted networks, rather than the specifics of protocols.  This requirement does not limit the use of UDP or other connectionless network protocols if state is maintained by the NSC.								
1.4.3	Anti-spoofing measures are implemented to detect and block forged source IP addresses from entering the	Examine NSC documentation.	$\boxtimes$						
	trusted network.	Examine NSC	Describe results as instructed in "Requirement Responses" (page v)						
		configurations.	The service	e does not s	tore cardholo	ler data			
1.4.4	System components that store cardholder data are not directly accessible from untrusted networks.	Examine the data-flow diagram and network diagram.     Examine NSC configurations.							



	PCI DSS Requirement	Expected Testing	Response ◆ (Check one response for each requirement)						
	. o. 200 noquiioni	,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
	Applicability Notes		Describe res	sults as instruct	ted in "Require	ment Respons	es" (page v)		
	This requirement is not intended to apply to storage of accides apply where memory is being treated as persistent staccount data can only be stored in volatile memory during the associated business process (for example, until comporard transaction).	storage (for example, RAM disk). g the time necessary to support							
1.4.5	The disclosure of internal IP addresses and routing information is limited to only authorized parties.	Examine NSC configurations.							
			Describe res	sults as instruci	ted in "Require	ment Respons	es" (page v)		
<b>1.5</b> Risk	s to the CDE from computing devices that are able to conne	<u>'</u>	the CDE are	mitigated.					
1.5.1	Security controls are implemented on any computing devices, including company- and employee-owned devices, that connect to both untrusted networks (including the Internet) and the CDE as follows.  • Specific configuration settings are defined to prevent threats being introduced into the entity's network.  • Security controls are actively running.  • Security controls are not alterable by users of the computing devices unless specifically documented and authorized by management on a case-by-case basis for a limited period.	Examine policies and configuration standards.     Examine device configuration settings.							
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page v)					
	These security controls may be temporarily disabled only if there is legitimate technical need, as authorized by management on a case-by-case basis. If these security controls need to be disabled for a specific purpose, it must be formally authorized. Additional security measures may also need to be implemented for the period during which these security controls are not active.  This requirement applies to employee-owned and company-owned computing devices. Systems that cannot be managed by corporate policy introduce weaknesses and provide opportunities that malicious individuals may exploit.								



## Requirement 2: Apply Secure Configurations to All System Components

PCI DSS Requirement		Expected Testing	Response * (Check one response for each rec				requirement)	
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>2.1</b> Prod	cesses and mechanisms for applying secure configurations	to all system components are def	ined and und	erstood.				
2.1.1	<ul> <li>All security policies and operational procedures that are identified in Requirement 2 are:</li> <li>Documented.</li> <li>Kept up to date.</li> <li>In use.</li> <li>Known to all affected parties.</li> </ul>	Examine documentation.     Interview personnel.						
			Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
2.1.2	Roles and responsibilities for performing activities in Requirement 2 are documented, assigned, and understood.	Examine documentation.     Interview responsible personnel.						
			Describe results as instructed in "Requirement Responses" (page v)					
<b>2.2</b> Sys	tem components are configured and managed securely.							
2.2.1	Configuration standards are developed, implemented, and maintained to:	Examine system configuration standards.						
	<ul> <li>Cover all system components.</li> <li>Address all known security vulnerabilities.</li> <li>Be consistent with industry-accepted system hardening standards or vendor hardening recommendations.</li> <li>Be updated as new vulnerability issues are identified, as defined in Requirement 6.3.1.</li> <li>Be applied when new systems are configured and verified as in place before or immediately after a</li> </ul>	<ul> <li>Review industry-accepted hardening standards.</li> <li>Examine configuration settings.</li> <li>Interview personnel.</li> </ul>	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
	system component is connected to a production environment.							

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	_(	ch requiremer	ement)					
	. 5. 200 1.044		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place			
2.2.2	Vendor default accounts are managed as follows:  If the vendor default account(s) will be used, the default password is changed per Requirement 8.3.6.  If the vendor default account(s) will not be used, the account is removed or disabled.	<ul> <li>Examine system configuration standards.</li> <li>Examine vendor documentation.</li> <li>Observe a system administrator logging on using vendor default accounts.</li> <li>Examine configuration files.</li> <li>Interview personnel.</li> </ul>								
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page v)						
	This applies to ALL vendor default accounts and passwords, including, but not limited to, those used by operating systems, software that provides security services, application and system accounts, point-of-sale (POS) terminals, payment applications, and Simple Network Management Protocol (SNMP) defaults.  This requirement also applies where a system component is not installed within an entity's environment, for example, software and applications that are part of the CDE and are accessed via a cloud subscription service.									
2.2.3	Primary functions requiring different security levels are managed as follows:	Examine system     configuration standards.	$\boxtimes$							
	Only one primary function exists on a system	Examine system	Describe results as instructed in "Requirement Responses" (page v)							
	<ul> <li>component,</li> <li>OR</li> <li>Primary functions with differing security levels that exist on the same system component are isolated from each other,</li> <li>OR</li> <li>Primary functions with differing security levels on the same system component are all secured to the level required by the function with the highest security need.</li> </ul>	Examine system configurations.								



PCI DSS Requirement		Expected Testing	Response •  (Check one response for each requirement)				
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
2.2.4	Only necessary services, protocols, daemons, and functions are enabled, and all unnecessary functionality is removed or disabled.	Examine system configuration standards.					
		Examine system configurations.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
2.2.5	If any insecure services, protocols, or daemons are present:	Examine configuration standards.					
	Business justification is documented.	Interview personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	Additional security features are documented and implemented that reduce the risk of using insecure services, protocols, or daemons.	Examine configuration settings.					
2.2.6	System security parameters are configured to prevent misuse.	<ul> <li>Examine system configuration standards.</li> <li>Interview personnel.</li> <li>Examine system configurations.</li> </ul>					
			Describe results as instructed in "Requirement Responses" (page v)				
2.2.7	All non-console administrative access is encrypted using strong cryptography.	<ul> <li>Examine system configuration standards.</li> <li>Observe an administrator log on.</li> <li>Examine system configurations.</li> <li>Examine vendor documentation. Interview personnel.</li> </ul>					
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)				
	This includes administrative access via browser-based in programming interfaces (APIs).	nterfaces and application					



PCI DSS Requirement		Expected Testing		ch requiremer	equirement)		
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>2.3</b> Wire	eless environments are configured and managed securely.						
2.3.1	For wireless environments connected to the CDE or transmitting account data, all wireless vendor defaults are changed at installation or are confirmed to be secure, including but not limited to:  • Default wireless encryption keys.  • Passwords on wireless access points.  • SNMP defaults.  Any other security-related wireless vendor defaults.  Applicability Notes	<ul> <li>Examine policies and procedures.</li> <li>Review vendor documentation.</li> <li>Examine wireless configuration settings. Interview personnel.</li> </ul>	Dascriba res	cults as instruc	⊠ ted in "Require	ment Respons	[]
	This includes, but is not limited to, default wireless encryption keys, passwords on wireless access points, SNMP defaults, and any other security-related wireless vendor defaults.				ay not be cor	<u> </u>	
2.3.2	For wireless environments connected to the CDE or transmitting account data, wireless encryption keys are changed as follows:  • Whenever personnel with knowledge of the key leave the company or the role for which the knowledge was necessary.  • Whenever a key is suspected of or known to be compromised.	Examine key-management documentation.     Interview personnel.	Describe results as instructed in "Requirement Responses" (page Wireless networksd may not be connected to the production segment				



## **Protect Account Data**

## Requirement 3: Protect Stored Account Data

	PCI DSS Requirement	Expected Testing	Response  (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
3.1 Proce	esses and mechanisms for protecting stored account da	ta are defined and understood.						
3.1.1	All security policies and operational procedures that are identified in Requirement 3 are:	Examine documentation.     Interview personnel.			$\boxtimes$			
	Documented.	interview personner.	Describe results as instructed in "Requirement Responses" (page v)					
	<ul><li>Kept up to date.</li><li>In use.</li><li>Known to all affected parties.</li></ul>		SAD data is not stored by the service					
3.1.2	Roles and responsibilities for performing activities in Requirement 3 are documented, assigned, and understood.	Examine documentation.     Interview responsible personnel.			$\boxtimes$			
			Describe results as instructed in "Requirement Responses" (page v)					
			SAD data is not stored by the service					

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(	Check one res	Response •	ch requiremer	nt)
	7 GI DOG Requirement	Expected results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>3.2</b> Stor	age of account data is kept to a minimum.						
3.2.1	<ul> <li>Account data storage is kept to a minimum through implementation of data retention and disposal policies, procedures, and processes that include at least the following:</li> <li>Coverage for all locations of stored account data.</li> <li>Coverage for any sensitive authentication data (SAD) stored prior to completion of authorization. This bullet is a best practice until its effective date; refer to Applicability Notes below for details.</li> <li>Limiting data storage amount and retention time to that which is required for legal or regulatory, and/or business requirements.</li> <li>Specific retention requirements for stored account data that defines length of retention period and includes a documented business justification.</li> <li>Processes for secure deletion or rendering account data unrecoverable when no longer needed per the retention policy.</li> <li>A process for verifying, at least once every three months, that stored account data exceeding the defined retention period has been securely deleted or rendered unrecoverable.</li> </ul>	<ul> <li>Examine the data retention and disposal policies, procedures, and processes.</li> <li>Interview personnel.</li> <li>Examine files and system records on system components where account data is stored.</li> <li>Observe the mechanisms used to render account data unrecoverable.</li> </ul>					



	PCI DSS Requirement	Expected Testing	(		Response • sponse for eac		nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
	Applicability Notes (continued)		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Where account data is stored by a TPSP (for exampl are responsible for working with their service provide meets this requirement for the entity. Considerations instances of a data element are securely deleted.	rs to understand how the TPSP	Account d	ata is not sto	ored by the s	ervice	
	The bullet above (for coverage of SAD stored prior to best practice until 31 March 2025, after which it will b 3.2.1 and must be fully considered during a PCI DSS	e required as part of Requirement					
<b>3.3</b> Sens	sitive authentication data (SAD) is not stored after author	ization.					
3.3.1	SAD is not stored after authorization, even if encrypted. All sensitive authentication data received is rendered unrecoverable upon completion of the authorization process.	<ul> <li>Examine documented policies and procedures.</li> <li>Examine system configurations.</li> <li>Observe the secure data deletion processes.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Issuers and companies that support issuing services documented business need to store SAD, are not reclegitimate business need is one that is necessary for being provided by or for the issuer.	quired to meet this requirement. A	SAD data	is not stored	by the servi	ce	
	Refer to Requirement 3.3.3 for additional requirement	ts specifically for these entities.					
	Sensitive authentication data includes the data cited 3.3.1.3.	in Requirements 3.3.1.1 through					



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *	ch requiremer	nt <b>)</b>
	,		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.3.1.1	The full contents of any track are not stored upon completion of the authorization process.	Examine data sources.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	In the normal course of business, the following data of be retained:  Cardholder name.  Primary account number (PAN).  Expiration date.  Service code.  To minimize risk, store securely only these data elem		SAD data	is not stored	d by the service		
3.3.1.2	The card verification code is not stored upon completion of the authorization process.	Examine data sources.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The card verification code is the three- or four-digit n of a payment card used to verify card-not-present tra	•	verifictaion	data is not	stored by the	e service	
3.3.1.3	The personal identification number (PIN) and the PIN block are not stored upon completion of the authorization process.	Examine data sources.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	PIN blocks are encrypted during the natural course of an entity encrypts the PIN block again, it is still not all completion of the authorization process.		PIN data is	s not stored	by the servic	е	



	PCI DSS Requirement	Expected Testing	Response • (Check one response for each requirement)						
	of authorization is encrypted using strong cryptography.  Applicability Notes  Whether SAD is permitted to be stored prior to autorganizations that manage compliance programs acquirers). Contact these organizations for any action of the complete storage of SAD, even environment.  Refer to Requirement 3.2.1 for an additional requiprior to completion of authorization.  Issuers and companies that support issuing services.	Expected Footing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
3.3.2	7. 0 0	<ul> <li>Examine data stores and system configurations.</li> <li>Examine vendor documentation.</li> </ul>							
	Applicability Notes		Describe res	e results as instructed in "Requirement Responses" (p					
	Whether SAD is permitted to be stored prior to authorization is determined by the organizations that manage compliance programs (for example, payment brands and acquirers). Contact these organizations for any additional criteria.			SAD data is not stored by the service					
	This requirement applies to all storage of SAD, even environment.	if no PAN is present in the							
	Refer to Requirement 3.2.1 for an additional requirement prior to completion of authorization.	nent that applies if SAD is stored							
	Issuers and companies that support issuing services documented business need to store SAD, are not reclegitimate business need is one that is necessary for being provided by or for the issuer.	quired to meet this requirement. A							
	Refer to Requirement 3.3.3 for requirements specific	ally for these entities.							
	This requirement does not replace how PIN blocks a does it mean that a properly encrypted PIN block needs								
	This requirement is a best practice until 31 March 20 and must be fully considered during a PCI DSS asse	•							



	PCI DSS Requirement	Expected Testing	Response • (Check one response for each requirement)						
	1 of 5 oo Roquiromonic	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
3.3.3	<ul> <li>Additional requirement for issuers and companies that support issuing services and store sensitive authentication data:</li> <li>Any storage of sensitive authentication data is:</li> <li>Limited to that which is needed for a legitimate issuing business need and is secured.</li> <li>Encrypted using strong cryptography. This bullet is a best practice until its effective date; refer to Applicability Notes below for details.</li> </ul>	<ul> <li>Examine documented policies.</li> <li>Interview personnel.</li> <li>Examine data stores and system configurations.</li> </ul>							
	Applicability Notes		Describe results as instructed in "Requirement Responses" (pa						
	This requirement applies only to issuers and companie and store sensitive authentication data.	ies that support issuing services	No authenication data is stored by the service			the service			
	Entities that issue payment cards or that perform or support issuing services will often create and control sensitive authentication data as part of the issuing function. It is allowable for companies that perform, facilitate, or support issuing services to store sensitive authentication data ONLY IF they have a legitimate business need to store such data.  A legitimate issuing business need is one that is necessary for the performance of the function being provided by or for the issuer.								
	function being provided by or for the issuer.  The bullet above (for encrypting stored SAD with strountil 31 March 2025, after which it will be required as be fully considered during a PCI DSS assessment.								



	PCI DSS Requirement	Expected Testing		Check one re	Response *		nt)
	r or boo requirement	Expedict results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>3.4</b> Acce	ess to displays of full PAN and ability to copy PAN are re	stricted.					
3.4.1	PAN is masked when displayed (the BIN and last four digits are the maximum number of digits to be displayed), such that only personnel with a legitimate business need can see more than the BIN and last four digits of the PAN.	Examine documented policies and procedures.     Examine system configurations.     Examine the documented list of roles that need access to more than the BIN and last four digits of the PAN (includes full PAN).     Examine displays of PAN (for example, on screen, on paper receipts).					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement does not supersede stricter require cardholder data—for example, legal or payment brai (POS) receipts.	· · · · · · · · · · · · · · · · · · ·	PAN data	is not proces	ssed by the s	service	
	This requirement relates to protection of PAN where receipts, printouts, etc., and is not to be confused wi of PAN when stored, processed, or transmitted.						



	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
		In F		In Place with CCW	Not Applicable	Not Tested	Not in Place	
3.4.2	When using remote-access technologies, technical controls prevent copy and/or relocation of PAN for all personnel, except for those with documented, explicit authorization and a legitimate, defined business need.	<ul> <li>Examine documented policies and procedures and documented evidence for technical controls.</li> <li>Examine configurations for remote-access technologies.</li> <li>Observe processes.</li> <li>Interview personnel.</li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	Storing or relocating PAN onto local hard drives, rem storage devices brings these devices into scope for F		PAN data is not processed by the service			service		
	This requirement is a best practice until 31 March 20 and must be fully considered during a PCI DSS asse							



	DOLDOS Deminent	Function Testion		Check one res	Response *		nt)
	PCI DSS Requirement	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.5 Primai	ry account number (PAN) is secured wherever it is stor	ed.					
3.5.1	<ul> <li>PAN is rendered unreadable anywhere it is stored by using any of the following approaches:</li> <li>One-way hashes based on strong cryptography of the entire PAN.</li> <li>Truncation (hashing cannot be used to replace the truncated segment of PAN).</li> <li>If hashed and truncated versions of the same PAN, or different truncation formats of the same PAN, are present in an environment, additional controls are in place such that the different versions cannot be correlated to reconstruct the original PAN</li> <li>Index tokens.</li> <li>Strong cryptography with associated keymanagement processes and procedures.</li> </ul>	<ul> <li>Examine documentation about the system used to render PAN unreadable.</li> <li>Examine data repositories.</li> <li>Examine audit logs, including payment application logs.</li> <li>Examine controls to verify that the hashed and truncated PANs cannot be correlated to reconstruct the original PAN.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement applies to PANs stored in primary states as text files spreadsheets) as well as non-primary states or troubleshooting logs).  This requirement does not preclude the use of temporary while encrypting and decrypting PAN.	orage (backup, audit logs, exception,	PAN data	is not proces	ssed by the s		
3.5.1.1	Hashes used to render PAN unreadable (per the first bullet of Requirement 3.5.1), are keyed cryptographic hashes of the entire PAN, with associated key-management processes and procedures in accordance with Requirements 3.6 and 3.7.	<ul> <li>Examine documentation about the hashing method used.</li> <li>Examine documentation about the key-management procedures and processes.</li> <li>Examine data repositories.</li> <li>Examine audit logs, including payment application logs.</li> </ul>					
	Applicability Notes	-	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)



PCI DSS Requirement	Expected Testing	Response •  (Check one response for each requirement)					
		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
All Applicability Notes for Requirement 3.5.1 also app	ly to this requirement.	PAN data i	is not proces	sed by the s	ervice		
Key-management processes and procedures (Requires system components used to generate individual keyes to another system if:	, , , , ,						
The system components only have access to one are not stored on the system)	hash value at a time (hash values						
AND							
There is no other account data stored on the same	e system as the hashes.						
This requirement is considered a best practice until 3 required and must be fully considered during a PCI E will replace the bullet in Requirement 3.5.1 for one-w reached.	SS assessment. This requirement						



				Check one res	Response *	ch requiremen	at)
	file-, column-, or field-level database encryption) i used to render PAN unreadable, it is implemented only as follows:  • On removable electronic media.  OR  • If used for non-removable electronic media, PAN is also rendered unreadable via another mechanism that meets Requirement 3.5.1.  Applicability Notes  This requirement applies to any encryption metho automatically when a system runs, even though a requested that data.  While disk or partition encryption may still be preside the only mechanism used to protect PAN store must also be rendered unreadable per Requirement truncation or a data-level encryption mechanism. data in the event of physical loss of a disk and the removable electronic media storage devices.	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.5.1.2	On removable electronic media.  OR If used for non-removable electronic media, PAN is also rendered unreadable via another	<ul> <li>Observe encryption processes.</li> <li>Examine configurations and/or vendor documentation.</li> <li>Observe encryption processes.</li> </ul>					
	Applicability Notes		Describe results as instructed in "Requirement Responses"				
	automatically when a system runs, even though an authorized user has not specifically		PAN data	is not proces	ssed by the s	service	
	must also be rendered unreadable per Requirement 3.5.1—for example, through truncation or a data-level encryption mechanism. Full disk encryption helps to protect data in the event of physical loss of a disk and therefore its use is appropriate only for removable electronic media storage devices.						
	Media that is part of a data center architecture (for example, hot-swappable drives, bulk tape-backups) is considered non-removable electronic media to which Requirement 3.5.1 applies.						
	Disk or partition encryption implementations must also meet all other PCI DSS encryption and key-management requirements.						
	For issuers and companies that support issuing servi apply to PANs being accessed for real-time transacti apply to PANs stored for other purposes.						
	This requirement is a best practice until 31 March 20 and must be fully considered during a PCI DSS asse						



	PCI DSS Requirement	nt Expected Testing		Response * (Check one response for each requirement)					
	r or boo rroquii oment	Expected Footing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
3.5.1.3	If disk-level or partition-level encryption is used (rather than file-, column-, or fieldlevel database encryption) to render PAN unreadable, it is managed as follows:  Logical access is managed separately and independently of native operating system authentication and access control mechanisms.  Decryption keys are not associated with user accounts.  Authentication factors (passwords, passphrases, or cryptographic keys) that allow access to unencrypted data are stored securely.	<ul> <li>Examine system configurations.</li> <li>Observe the authentication process.</li> <li>Examine files containing authentication factors.</li> <li>Interview personnel.</li> </ul>							
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)		
	Disk or partition encryption implementations must als encryption and key-management requirements.	so meet all other PCI DSS	PAN data	is not proces	sed by the s	service			



	PCLDSS Requirement	Expected Testing	(1	Check one re:	Response *		nt)
	Procedures are defined and implemented to protect cryptographic keys used to protect stored account data against disclosure and misuse that include:  • Access to keys is restricted to the fewest number of custodians necessary.  • Key-encrypting keys are at least as strong as the data-encrypting keys they protect.  • Key-encrypting keys are stored separately fror data-encrypting keys.  • Keys are stored securely in the fewest possible locations and forms.  Applicability Notes	Expected results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>3.6</b> Cryp	tographic keys used to protect stored account data are s	secured.					
3.6.1	<ul> <li>protect cryptographic keys used to protect stored account data against disclosure and misuse that include:</li> <li>Access to keys is restricted to the fewest number of custodians necessary.</li> <li>Key-encrypting keys are at least as strong as the data-encrypting keys they protect.</li> <li>Key-encrypting keys are stored separately from data-encrypting keys.</li> <li>Keys are stored securely in the fewest possible</li> </ul>	Examine documented key- management policies and procedures.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement applies to keys used to protect store encrypting keys used to protect data-encrypting keys. The requirement to protect keys used to protect store misuse applies to both data-encrypting keys and key encrypting key may grant access to many data-encry require strong protection measures.	ed account data from disclosure and encrypting keys. Because one key-					



				Charle and man	Response *	- h	-4)	
	PCI DSS Requirement	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
3.6.1.1	Additional requirement for service providers only:	Examine cryptographic architecture documentation.						
	A documented description of the cryptographic architecture is maintained that includes:	Interview responsible personnel.						
	<ul> <li>Details of all algorithms, protocols, and keys used for the protection of stored account data, including key strength and expiry date.</li> <li>Preventing the use of the same cryptographic keys in production and test environments. This bullet is a best practice until its effective date; refer to Applicability Notes below for details.</li> <li>Description of the key usage for each key.</li> <li>Inventory of any hardware security modules (HSMs), key-management systems (KMS), and other secure cryptographic devices (SCDs) used for key management, including type and location of devices, to support meeting Requirement 12.3.4.</li> </ul>							
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v					
	This requirement applies only when the entity being a In cloud HSM implementations, responsibility for the according to this Requirement will be shared betwee customer.	cryptographic architecture						
	The bullet above (for including, in the cryptographic as same cryptographic keys in production and test is promised March 2025, after which it will be required as part of fully considered during a PCI DSS assessment.	evented) is a best practice until 31						



	PCI DSS Requirement	Expected Testing	(	Check one res	Response *	ch reauiremer	nt)
	POI DSS Requirement	Expected resumg	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.6.1.2	<ul> <li>Secret and private keys used to protect stored account data are stored in one (or more) of the following forms at all times:</li> <li>Encrypted with a key-encrypting key that is at least as strong as the data-encrypting key, and that is stored separately from the data-encrypting key.</li> <li>Within a secure cryptographic device (SCD), such as a hardware security module (HSM) or PTS-approved point-of-interaction device.</li> <li>As at least two full-length key components or key shares, in accordance with an industry-accepted method.</li> </ul>	Examine documented procedures.     Examine system configurations and key storage locations, including for keyencrypting keys.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	It is not required that public keys be stored in one of	these forms.					
	Cryptographic keys stored as part of a key-managen SCDs are acceptable.	nent system (KMS) that employs					
	A cryptographic key that is split into two parts does n private keys stored as key components or key share following:						
	Using an approved random number generator an     OR	d within an SCD,					
	According to ISO 19592 or equivalent industry sta shares.	andard for generation of secret key					
3.6.1.3	Access to cleartext cryptographic key components is restricted to the fewest number of custodians	Examine user access lists.	$\boxtimes$				
	necessary.		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
3.6.1.4	Cryptographic keys are stored in the fewest possible locations.	Examine key storage locations.					
	F	Observe processes.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(	Check one re	Response • sponse for eac		nt <b>)</b>	
	1012001104	pg	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
3.7 Whe	ere cryptography is used to protect stored account data, lented.	cey-management processes and proce	edures coveri	ng all aspects	of the key life	ecycle are def	ined and	
3.7.1	Key-management policies and procedures are implemented to include generation of strong	Examine documented key- management policies and	$\boxtimes$					
	cryptographic keys used to protect stored account	procedures.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	data.	Observe the method for generating keys.						
3.7.2	Key-management policies and procedures are implemented to include secure distribution of	Examine documented key- management policies and						
	cryptographic keys used to protect stored account	procedures.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	data.	Observe the method for distributing keys.						
3.7.3	Key-management policies and procedures are implemented to include secure storage of	Examine documented key- management policies and	$\boxtimes$					
	cryptographic keys used to protect stored account	procedures.	Describe results as instructed in "Requirement Responses" (page v)					
	data.	Observe the method for storing keys.						
3.7.4	Key-management policies and procedures are implemented for cryptographic key changes for	Examine documented key- management policies and	$\boxtimes$					
	keys that have reached the end of their	procedures.	Describe results as instructed in "Requirement Responses" (page v)					
	cryptoperiod, as defined by the associated application vendor or key owner, and based on industry best practices and guidelines, including the following:	<ul><li>Interview personnel.</li><li>Observe key storage locations.</li></ul>						
	A defined cryptoperiod for each key type in use.							
	A process for key changes at the end of the defined cryptoperiod.							



	PCI DSS Requirement	Expected Testing		Check one res	Response •	ch requiremer	nt)
	<ul> <li>stored account data, as deemed necessary when</li> <li>The key has reached the end of its defined cryptoperiod.</li> <li>The integrity of the key has been weakened,</li> </ul>	Expected results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.7.5	<ul> <li>implemented to include the retirement,</li> <li>replacement, or destruction of keys used to protect</li> <li>stored account data, as deemed necessary when:</li> <li>The key has reached the end of its defined cryptoperiod.</li> </ul>	Examine documented keymanagement policies and procedures.     Interview personnel.					
	Applicability Notes		Describe res	ults as instruct	ted in "Require	ment Respons	ses" (page v)
	If retired or replaced cryptographic keys need to be r securely archived (for example, by using a key-encry	<u>-</u>					



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *	ch requiremer	nt <b>)</b>
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
3.7.6	Where manual cleartext cryptographic key- management operations are performed by personnel, key-management policies and procedures are implemented including managing these operations using split knowledge and dual control.	<ul> <li>Examine documented keymanagement policies and procedures.</li> <li>Interview personnel.</li> <li>Observe processes.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This control is applicable for manual key-manageme	nt operations.					
	A cryptographic key that is simply split into two parts Secret or private keys stored as key components or one of the following:						
	Using an approved random number generator an device (SCD), such as a hardware security modu interaction device,  OR						
	<ul> <li>According to ISO 19592 or equivalent industry sta shares.</li> </ul>	andard for generation of secret key					
3.7.7	Key-management policies and procedures are implemented to include the prevention of	Examine documented key- management policies and	$\boxtimes$				
	unauthorized substitution of cryptographic keys.	procedures.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
		<ul><li>Interview personnel.</li><li>Observe processes.</li></ul>					
3.7.8	Key-management policies and procedures are	Examine documented key-					
	implemented to include that cryptographic key custodians formally acknowledge (in writing or	management policies and procedures.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	electronically) that they understand and accept their key-custodian responsibilities.	Review documentation or other evidence of key custodian acknowledgments.					



	PCI DSS Requirement	Expected Testing	Response •  (Check one response for each requirement)						
		_Aposiou rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
3.7.9	Additional requirement for service providers only:  Where a service provider shares cryptographic keys with its customers for transmission or storage of account data, guidance on secure transmission, storage and updating of such keys is documented and distributed to the service provider's customers.	Examine documentation provided by the service provider to its customers.							
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page					
	This requirement applies only when the entity being a	assessed is a service provider.							



## Requirement 4: Protect Cardholder Data with Strong Cryptography During Transmission Over Open, Public Networks

	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>4.1</b> Prod	cesses and mechanisms for protecting cardholder data wit	h strong cryptography during transm	nission over o	oen, public ne	tworks are de	fined and und	lerstood.	
4.1.1	All security policies and operational procedures that are identified in Requirement 4 are:	Examine documentation.     Interview personnel.						
	<ul> <li>Documented.</li> <li>Kept up to date.</li> <li>In use.</li> <li>Known to all affected parties.</li> </ul>		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
4.1.2	Roles and responsibilities for performing activities in Requirement 4 are documented, assigned, and	Examine documentation.     Interview responsible						
	understood.	personnel	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	

<sup>♦</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response •	ch requireme	nt)
	r oi boo Keyunement	Expected resumg	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>4.2</b> PAN i	is protected with strong cryptography during transmission	l.					
4.2.1	Strong cryptography and security protocols are implemented as follows to safeguard PAN during transmission over open, public networks:						
	Only trusted keys and certificates are accepted.	Examine documented					
	Certificates used to safeguard PAN during transmission over open, public networks are confirmed as valid and are not expired or revoked. This bullet is a best practice until its effective date; refer to Applicability Notes below for details.	<ul> <li>policies and procedures.</li> <li>Interview personnel.</li> <li>Examine system configurations.</li> <li>Examine cardholder data transmissions.</li> </ul>					
	The protocol in use supports only secure versions or configurations and does not support fallback to, or use of insecure versions, algorithms, key sizes, or implementations.	Examine keys and certificates.					
	The encryption strength is appropriate for the encryption methodology in use.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	A self-signed certificate may also be acceptable if the c CA within the organization, the certificate's author is co verified—for example, via hash or signature—and has	nfirmed, and the certificate is					
	The bullet above (for confirming that certificates used to stransmission over open, public networks are valid and are best practice until 31 March 2025, after which it will be re 4.2.1 and must be fully considered during a PCI DSS ass	are not expired or revoked) is a required as part of Requirement					
4.2.1.1	An inventory of the entity's trusted keys and certificates used to protect PAN during transmission is maintained.	<ul> <li>Examine documented policies and procedures.</li> <li>Examine the inventory of trusted keys and certificates.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *	ch requiremer	nt <b>)</b>
	. o. 200 noquiionon	<b>_</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
	This requirement is a best practice until 31 March 2025 must be fully considered during a PCI DSS assessment						
4.2.1.2	the CDE use industry best practices to implement	Examine system configurations.					
	strong cryptography for authentication and transmission		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Tanamasan.		Wireless n		y not be coni	nected to the	)
4.2.2	AN is secured with strong cryptography whenever it sent via end-user messaging technologies.  • Examine documented policies and procedures. • Examine system configurations and vendor documentation.						
	Applicability Notes			sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement also applies if a customer, or other third-party, requests that PAN is sent to them via end-user messaging technologies.  There could be occurrences where an entity receives unsolicited cardholder data via an insecure communication channel that was not intended for transmissions of sensitive data. In this situation, the entity can choose to either include the channel in the scope of their CDE and secure it according to PCI DSS or delete the cardholder data and implement measures to prevent the channel from being used for cardholder data.						



## **Maintain a Vulnerability Management Program**

## Requirement 5: Protect All Systems and Networks from Malicious Software

	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *	ch requiremen	<i>t</i> )	
	, s. 200 requirement	<b>-</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>5.1</b> Proc	esses and mechanisms for protecting all systems and net	works from malicious software are defir	ned and under	rstood.				
5.1.1	All security policies and operational procedures that are identified in Requirement 5 are:	Examine documentation.     Interview personnel.						
	Documented.	Interview personner.	Describe res	sults as instruc	ted in "Require	ement Respons	es" (page v)	
	Kept up to date.     In use							
	<ul><li>In use.</li><li>Known to all affected parties.</li></ul>	Evamine documentation						
5.1.2	Roles and responsibilities for performing activities in Requirement 5 are documented, assigned, and	<ul><li>Examine documentation.</li><li>Interview responsible personnel.</li></ul>						
	understood.	interview responsible personner.	Describe res	sults as instruc	ted in "Require	ement Respons	es" (page v)	
<b>5.2</b> Malio	cious software (malware) is prevented, or detected and ad	dressed.						
5.2.1	An anti-malware solution(s) is deployed on all system components, except for those system components	Examine system components.     Examine the periodic	$\boxtimes$					
	identified in periodic evaluations per Requirement	evaluations.	Describe results as instructed in "Requirement Responses" (page v)					
	5.2.3 that concludes the system components are not at risk from malware.							
5.2.2	The deployed anti-malware solution(s):	Examine vendor documentation.  - Examine system as figure time.	$\boxtimes$					
	<ul> <li>Detects all known types of malware.</li> <li>Removes, blocks, or contains all known types of malware.</li> </ul>	Examine system configurations.	Describe res	sults as instruc	ted in "Require	ement Respons	es" (page v)	

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(1	Check one res			nt)
	. o. boo noquinomoni	=Apooton rooming	Response (Check one response for each requirement)  In Place	Not in Place			
5.2.3	<ul> <li>Any system components that are not at risk for malware are evaluated periodically to include the following:</li> <li>A documented list of all system components not at risk for malware.</li> <li>Identification and evaluation of evolving malware threats for those system components.</li> <li>Confirmation whether such system components continue to not require anti-malware protection.</li> </ul>	<ul> <li>Examine documented policies and procedures.</li> <li>Interview personnel.</li> <li>Examine the list of system components not at risk for malware and compare against the system components without an anti-malware solution deployed.</li> </ul>				each requiremen  Not Tested  uirement Respons  uirement Respons	
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	System components covered by this requirement are the malware solution deployed per Requirement 5.2.1.	hose for which there is no anti-					
5.2.3.1	The frequency of periodic evaluations of system components identified as not at risk for malware is defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.	Examine the targeted risk analysis.     Examine documented results of periodic evaluations.     Interview personnel.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025 must be fully considered during a PCI DSS assessment	· ·					
5.3 Anti-r	malware mechanisms and processes are active, maintain	ed, and monitored.					
5.3.1	The anti-malware solution(s) is kept current via	Examine anti-malware solution(s) configurations,					
	automatic updates.	including any master installation.  • Examine system components and logs.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response •	ch requiremen	nt)
	r of boo Requirement	Expected results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
5.3.2	The anti-malware solution(s):  Performs periodic scans and active or real-time	Examine anti-malware solution(s) configurations,					
	scans	<ul><li>including any master installation.</li><li>Examine system components.</li></ul>	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Performs continuous behavioral analysis of systems or processes.	Examine logs and scan results.					
5.3.2.1	If periodic malware scans are performed to meet Requirement 5.3.2, the frequency of scans is defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.	<ul> <li>Examine the targeted risk analysis.</li> <li>Examine documented results of periodic malware scans.</li> <li>Interview personnel.</li> </ul>					
	Applicability Notes	interview personner.	Describe res	sults as instruc	│ ted in "Require	ement Respons	ses" (page v)
	This requirement applies to entities conducting periodic 5.3.2.  This requirement is a best practice until 31 March 2025 must be fully considered during a PCI DSS assessment.	, after which it will be required and					
5.3.3	For removable electronic media, the anti-malware solution(s):	Examine anti-malware solution(s) configurations.					
	Performs automatic scans of when the media is inserted, connected, or logically mounted, OR Performs continuous behavioral analysis of systems or processes when the media is inserted, connected, or logically mounted.	Examine system components with removable electronic media.     Examine logs and scan results.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025 must be fully considered during a PCI DSS assessment						
5.3.4	Audit logs for the anti-malware solution(s) are enabled and retained in accordance with	Examine anti-malware solution(s) configurations.	$\boxtimes$				
	Requirement 10.5.1.	Service Considerations.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response • sponse for eac	ch requiremen	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
5.3.5	Anti-malware mechanisms cannot be disabled or altered by users, unless specifically documented, and authorized by management on a case-by-case basis for a limited time period.	altered by users, unless specifically documented, and authorized by management on a case-by-case configurations.  • Observe processes.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Anti-malware solutions may be temporarily disabled on need, as authorized by management on a case-by-cas needs to be disabled for a specific purpose, it must be security measures may also need to be implemented for malware protection is not active.	e basis. If anti-malware protection formally authorized. Additional					
<b>5.4</b> Anti-	phishing mechanisms protect users against phishing attac	ks.					
5.4.1	Processes and automated mechanisms are in place to detect and protect personnel against phishing attacks.	Observe implemented processes.     Examine mechanisms.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	The focus of this requirement is on protecting personne in-scope for PCI DSS.	el with access to system components					
	Meeting this requirement for technical and automated of personnel against phishing is not the same as Require training. Meeting this requirement does not also meet to personnel with security awareness training, and vice versions.	ment 12.6.3.1 for security awareness he requirement for providing					
	This requirement is a best practice until 31 March 2025 must be fully considered during a PCI DSS assessment	•					



## Requirement 6: Develop and Maintain Secure Systems and Software

	DCI DCC Deminerant	Function Testion	(	Check one res	Response *	ch reauiremei	nt)
	PCI DSS Requirement	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
6.1 Proces	sses and mechanisms for developing and maintaining se	ecure systems and software are defin	ed and under	stood.			
6.1.1	All security policies and operational procedures that are identified in Requirement 6 are:	Examine documentation.     Interview personnel.	$\square$				
	Documented.	interview personner.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	Kept up to date.						
	• In use.						
	Known to all affected parties.						
6.1.2	Roles and responsibilities for performing activities in Requirement 6 are documented, assigned, and understood.	<ul><li>Examine documentation.</li><li>Interview responsible</li></ul>					
		personnel.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
6.2 Bespo	oke and custom software are developed securely.						
6.2.1	Bespoke and custom software are developed securely, as follows:  Based on industry standards and/or best practices for secure development.  In accordance with PCI DSS (for example, secure authentication and logging).  Incorporating consideration of information security issues during each stage of the software development lifecycle.	Examine documented software development procedures.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	This applies to all software developed for or by the en includes both bespoke and custom software. This does	•					

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	DCI DCC De militare ent	Function Tooling	((	Check one re	Response •	ch reauiremei	nt)
	PCI DSS Requirement	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
6.2.2	Software development personnel working on bespoke and custom software are trained at least once every 12 months as follows:  On software security relevant to their job function and development languages.  Including secure software design and secure coding techniques.  Including, if security testing tools are used, how to use the tools for detecting vulnerabilities in software.	<ul> <li>Examine documented software development procedures.</li> <li>Examine training records.</li> <li>Interview personnel.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	Software development personnel remain knowledgea practices; software security; and attacks against the lapplications they develop. Personnel are able to accerequired.	anguages, frameworks, or					
6.2.3	Bespoke and custom software is reviewed prior to being released into production or to customers, to identify and correct potential coding vulnerabilities, as follows:  Code reviews ensure code is developed according to secure coding guidelines.  Code reviews look for both existing and emerging software vulnerabilities.  Appropriate corrections are implemented prior to release.	Examine documented software development procedures.     Interview responsible personnel.     Examine evidence of changes to bespoke and custom software.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	This requirement for code reviews applies to all bespecinternal and public facing), as part of the system development of t	elopment lifecycle. litional controls, to address ongoing fined at PCI DSS Requirement 6.4.					



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response •	ch requiremer	nt)			
	r or boo requirement	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place			
6.2.3.1	If manual code reviews are performed for bespoke and custom software prior to release to production, code changes are:  Reviewed by individuals other than the originating code author, and who are knowledgeable about code-review techniques and secure coding practices.  Reviewed and approved by management prior to release.	<ul> <li>Examine documented software development procedures.</li> <li>Interview responsible personnel.</li> <li>Examine evidence of changes to bespoke and custom software.</li> </ul>								
	Applicability Notes		Describe res	Describe results as instructed in "Requirement Responses" (pag						
	Manual code reviews can be conducted by knowledge knowledgeable third-party personnel.  An individual that has been formally granted accountaneither the original code author nor the code reviewer management.	ability for release control and who is								
6.2.4	Software engineering techniques or other methods are defined and in use by software development personnel to prevent or mitigate common software attacks and related vulnerabilities in bespoke and custom software, including but not limited to the following:									
	Injection attacks, including SQL, LDAP, XPath, or other command, parameter, object, fault, or injection-type flaws.	Examine documented procedures.     Interview responsible software								
	Attacks on data and data structures, including attempts to manipulate buffers, pointers, input data, or shared data.	development personnel.								
	Attacks on cryptography usage, including attempts to exploit weak, insecure, or inappropriate cryptographic implementations, algorithms, cipher suites, or modes of operation. (continued)									



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *	ch requiremer	nt)
		<b>5</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>6.2.4</b> (cont.)	Attacks on business logic, including attempts to abuse or bypass application features and functionalities through the manipulation of APIs, communication protocols and channels, client-side functionality, or other system/application functions and resources. This includes cross-site scripting (XSS) and cross-site request forgery (CSRF).						
	Attacks on access control mechanisms, including attempts to bypass or abuse identification, authentication, or authorization mechanisms, or attempts to exploit weaknesses in the implementation of such mechanisms.						
	Attacks via any "high-risk" vulnerabilities identified in the vulnerability identification process, as defined in Requirement 6.3.1.						
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
	This applies to all software developed for or by the enincludes both bespoke and custom software. This doe	· ·					



					Response *		
	PCI DSS Requirement	Expected Testing	(	Check one res	sponse for ea	ch requireme	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>6.3</b> Secu	urity vulnerabilities are identified and addressed.						
6.3.1	<ul> <li>Security vulnerabilities are identified and managed as follows:</li> <li>New security vulnerabilities are identified using industry-recognized sources for security vulnerability information, including alerts from international and national computer emergency response teams (CERTs).</li> <li>Vulnerabilities are assigned a risk ranking based on industry best practices and consideration of potential impact.</li> <li>Risk rankings identify, at a minimum, all vulnerabilities considered to be a high-risk or critical to the environment.</li> <li>Vulnerabilities for bespoke and custom, and third-party software (for example operating systems and databases) are covered.</li> </ul>	Examine policies and procedures.     Interview responsible personnel.     Examine documentation.     Observe processes.					
	Applicability Notes  This requirement is not achieved by, and is in addition according to Requirements 11.3.1 and 11.3.2. This re actively monitor industry sources for vulnerability infor determine the risk ranking to be associated with each	quirement is for a process to mation and for the entity to	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
6.3.2	An inventory of bespoke and custom software, and third-party software components incorporated into bespoke and custom software is maintained to facilitate vulnerability and patch management.	<ul><li>Examine documentation.</li><li>Interview personnel.</li></ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *	ch requiremei	nt)	
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
6.3.3	All system components are protected from known vulnerabilities by installing applicable security patches/updates as follows:     Patches/updates for critical vulnerabilities (identified according to the risk ranking process at Requirement 6.3.1) are installed within one month of release.      All other applicable security patches/updates are installed within an appropriate time frame as	<ul> <li>Examine policies and procedures.</li> <li>Examine system components and related software.</li> <li>Compare list of security patches installed to recent vendor patch lists.</li> </ul>	Describe results as instructed in "Requirement Responses" (page					
<b>6.4</b> Public	determined by the entity's assessment of the criticality of the risk to the environment as identified according to the risk ranking process at Requirement 6.3.1							
6.4.1	For public-facing web applications, new threats and vulnerabilities are addressed on an ongoing basis and these applications are protected against known attacks as follows:  • Reviewing public-facing web applications via manual or automated application vulnerability security assessment tools or methods as follows:  - At least once every 12 months and after significant changes.  - By an entity that specializes in application security.  - Including, at a minimum, all common software attacks in Requirement 6.2.4.  - All vulnerabilities are ranked in accordance with Requirement 6.3.1.  - All vulnerabilities are corrected.  - The application is re-evaluated after the corrections.	Examine documented processes.     Interview personnel.     Examine records of application security assessments     Examine the system configuration settings and audit logs.						



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response • sponse for eac	ch requiremer	nt <b>)</b>
	, s. 200 noquiloni	_Apostou rosmig	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>6.4.1</b> (cont.)	<ul> <li>(continued)</li> <li>Installing an automated technical solution(s) that continually detects and prevents web-based attacks as follows:         <ul> <li>Installed in front of public-facing web applications to detect and prevent web-based attacks.</li> <li>Actively running and up to date as applicable.</li> <li>Generating audit logs.</li> <li>Configured to either block web-based attacks or generate an alert that is immediately investigated.</li> </ul> </li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This assessment is not the same as the vulnerability s 11.3.1 and 11.3.2.	scans performed for Requirement					
	This requirement will be superseded by Requirement Requirement 6.4.2 becomes effective.	6.4.2 after 31 March 2025 when					



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response • sponse for ea	ch requiremei	nt <b>)</b>
		g	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
6.4.2	<ul> <li>For public-facing web applications, an automated technical solution is deployed that continually detects and prevents web-based attacks, with at least the following:</li> <li>Is installed in front of public-facing web applications and is configured to detect and prevent web-based attacks.</li> <li>Actively running and up to date as applicable.</li> <li>Generating audit logs.</li> <li>Configured to either block web-based attacks or generate an alert that is immediately investigated.</li> </ul>	<ul> <li>Examine the system configuration settings.</li> <li>Examine audit logs.</li> <li>Interview responsible personnel.</li> </ul>					
	Applicability Notes (continued)		Describe res (continued)	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	This new requirement will replace Requirement 6.4.1	once its effective date is reached.					
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						



	PCI DSS Requirement		Expected Testing	(1	Check one res	Response •	ch requiremei	nt <b>)</b>
	101200111			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
6.4.3	All payment page scripts that are loaded and executed in the consumer's browser are managed as follows:							
	<ul> <li>A method is implemented to confirm that each script is authorized.</li> </ul>		mine policies and procedures. rview responsible personnel.					
	A method is implemented to assure the integrity of each script.		mine inventory records. mine system configurations.					
	An inventory of all scripts is maintained with written business or technical justification as to why each is necessary.							
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
	This requirement applies to all scripts loaded loaded from third and fourth parties.	from the	entity's environment and scripts	The servic	e does not n	nodify scrips	i	
	This requirement also applies to scripts in the TPSP's/payment processor's embedded pay inline frames or iframes).	•	,					
	This requirement does not apply to an entity embedded payment page/form (for example, includes a TPSP's/payment processor's payment	one or n	nore iframes), where the entity					
	Scripts in the TPSP's/payment processor's e responsibility of the TPSP/payment processor requirement.							
	This requirement is a best practice until 31 M must be fully considered during a PCI DSS a							



	PCI DSS Requirement	E,	spected Testing	(0	Check one res	Response *	ch requiremer	nt)
	Poi Doo Requirement	L,	rpected resting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>6.5</b> Char	nges to all system components are managed securely.							
6.5.1	Changes to all system components in the production environment are made according to established procedures that include:	contro • Exami	ne documented change I procedures. ne recent changes to					
	<ul><li>Reason for, and description of, the change.</li><li>Documentation of security impact.</li></ul>		n components and trace es to change control	Describe res	ults as instruc	ted in "Require	ement Respon	ses" (page v)
	<ul><li>Documented change approval by authorized parties.</li><li>Testing to verify that the change does not</li></ul>	docum • Exami	nentation. ne change control nentation.					
	<ul> <li>adversely impact system security.</li> <li>For bespoke and custom software changes, all updates are tested for compliance with Requirement 6.2.4 before being deployed into production.</li> <li>Procedures to address failures and return to a secure state.</li> </ul>							
6.5.2	Upon completion of a significant change, all applicable PCI DSS requirements are confirmed to be in place on all new or changed systems and networks, and documentation is updated as applicable.	signific Intervie Obser	ne documentation for cant changes. ew personnel. ve the affected ns/networks.					
	Applicability Notes			Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
	These significant changes should also be captured at PCI DSS scope confirmation activity per Requiremen		in the entity's annual					
6.5.3	Pre-production environments are separated from production environments and the separation is	Exami     proced	ne policies and	$\boxtimes$				
	enforced with access controls.		ne network	Describe res	ults as instruc	ted in "Require	ment Respon	ses" (page v)
	enforced with access controls.	config	nentation and urations of network by controls.					
		Examine access control settings.						



	PCI DSS Requirement	Exp	ected Testing	(0	Check one res	Response •	(Check one response for each requirement)					
				In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place				
6.5.4	production and pre-production environments to provide accountability such that only reviewed and		provide accountability such that only reviewed and approved changes are deployed.  • Observe processes. • Interview personnel.									
				Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)				
	In environments with limited personnel where individu functions, this same goal can be achieved with addition accountability. For example, a developer may also be administrator-level account with elevated privileges in for their developer role, they use a separate account a production environment.	nal procedura an administra the developm	al controls that provide ator that uses an ment environment and,									
6.5.5	Live PANs are not used in pre-production environments, except where those environments are included in the CDE and protected in accordance with all applicable PCI DSS requirements.		policies and									
		Observe testing processes.	Describe results as instructed in "Requirement Responses" (page v)									
			PAN data is not stored by the service									
6.5.6	Test data and test accounts are removed from		policies and	$\boxtimes$								
	system components before the system goes into production.		testing processes for	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)				
			the-shelf software and applications.									
			personnel.									
		for recer updated	data and accounts tly installed or off-the-shelf software ouse applications.									



## **Implement Strong Access Control Measures**

### Requirement 7: Restrict Access to System Components and Cardholder Data by Business Need to Know

	PCI DSS Requirement	Expected Testing	Response •  (Check one response for each requirement)						
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
<b>7.1</b> Pro	cesses and mechanisms for restricting access to system of	components and cardholder data by bu	usiness need	to know are de	efined and und	derstood.			
7.1.1	All security policies and operational procedures that are identified in Requirement 7 are:	Interview personnel.							
	Documented.		Describe re	sults as instruc	ted in "Require	ment Respons	ses" (page v)		
	Kept up to date.     In use.     Known to all affected parties.  Roles and responsibilities for performing activities in								
7.1.2	Roles and responsibilities for performing activities in Requirement 7 are documented, assigned, and understood.	Examine documentation.     Interview responsible personnel.	$\boxtimes$						
			Describe re	sults as instruc	ted in "Require	ment Respons	ses" (page v)		
<b>7.2</b> Acc	ess to system components and data is appropriately defir	led and assigned.	1						
7.2.1	An access control model is defined and includes granting access as follows:	Examine documented policies and procedures.							
	<ul> <li>Appropriate access depending on the entity's business and access needs.</li> <li>Access to system components and data resources that is based on users' job classification and functions.</li> <li>The least privileges required (for example, user, administrator) to perform a job function.</li> </ul>	Interview personnel.     Examine access control model settings.	Describe re	sults as instruc	ted in "Require	ment Respons	ses" (page v)		

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(	Check one re	Response *	ch requiremer	nt)	
		<b>2</b> 7,p00100 10011119	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
7.2.2	Access is assigned to users, including privileged users, based on:	Examine policies and procedures.						
	Job classification and function.     Least privileges necessary to perform job responsibilities.  Paguired privileges are approved by authorized.	including for privileged users.  Interview responsible management personnel.  Interview personnel responsible for assigning access.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)	
7.2.3	Required privileges are approved by authorized personnel.		$\boxtimes$					
	personner.	Examine user IDs and assigned	Describe results as instructed in "Requirement Responses" (page					
		privileges.  • Examine documented approvals.						
7.2.4	All user accounts and related access privileges, including third-party/vendor accounts, are reviewed as follows:     At least once every six months.     To ensure user accounts and access remain appropriate based on job function.     Any inappropriate access is addressed.     Management acknowledges that access remains appropriate.	<ul> <li>Examine policies and procedures.</li> <li>Interview responsible personnel.</li> <li>Examine documented results of periodic reviews of user accounts.</li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)	
	This requirement applies to all user accounts and related access privileges, including those used by personnel and third parties/vendors, and accounts used to access third-party cloud services.							
	See Requirements 7.2.5 and 7.2.5.1 and 8.6.1 throug and system accounts.	h 8.6.3 for controls for application						
	and system accounts.  This requirement is a best practice until 31 March 2025, after which it will be required and must be fully considered during a PCI DSS assessment.							



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *	ch requiremen	nt)
	. 5. 200 104		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
7.2.5	All application and system accounts and related access privileges are assigned and managed as follows:     Based on the least privileges necessary for the operability of the system or application.     Access is limited to the systems, applications, or processes that specifically require their use.	<ul> <li>Examine policies and procedures.</li> <li>Examine privileges associated with system and application accounts.</li> <li>Interview responsible personnel.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	This requirement is a best practice until 31 March 2025, after which it will be required and must be fully considered during a PCI DSS assessment.						
7.2.5.1	All access by application and system accounts and related access privileges are reviewed as follows:  Periodically (at the frequency defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1).  The application/system access remains appropriate for the function being performed.  Any inappropriate access is addressed.  Management acknowledges that access remains appropriate.	<ul> <li>Examine policies and procedures.</li> <li>Examine the targeted risk analysis.</li> <li>Interview responsible personnel.</li> <li>Examine documented results of periodic reviews of system and application accounts and related privileges.</li> </ul>					
	Applicability Notes	Applicability Notes		sults as instruc	ted in "Require	ment Respons	es" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						



	PCI DSS Requirement	Expected Testing	(	Check one re	Response *	ch requiremer	nt <b>)</b>
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
7.2.6	<ul> <li>All user access to query repositories of stored cardholder data is restricted as follows:</li> <li>Via applications or other programmatic methods, with access and allowed actions based on user roles and least privileges.</li> <li>Only the responsible administrator(s) can directly access or query repositories of stored CHD.</li> </ul>	<ul> <li>Examine policies and procedures.</li> <li>Interview personnel.</li> <li>Examine configuration settings for querying repositories of stored cardholder data.</li> </ul>					
	Applicability Notes			sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement applies to controls for user access to cardholder data.	o query repositories of stored	Cardholder data is not stored by the service			e service	
	See Requirements 7.2.5 and 7.2.5.1 and 8.6.1 throug and system accounts.	h 8.6.3 for controls for application					
7.3 Acce	ess to system components and data is managed via an a	ccess control system(s).					
7.3.1	An access control system(s) is in place that restricts	<ul><li>Examine vendor documentation.</li><li>Examine configuration settings.</li></ul>					
	access based on a user's need to know and covers all system components.		Describe results as instructed in "Requirement Responses" (page v)				
7.3.2	The access control system(s) is configured to enforce permissions assigned to individuals,	Examine vendor     documentation.					
	applications, and systems based on job classification and function.	Examine configuration settings.	Describe how the results of the testing performed support selected response †:				
7.3.3	The access control system(s) is set to "deny all" by default.	Examine vendor documentation.					
	doraut.	Examine configuration settings.	Describe ho		of the testing	performed su	pport the



### Requirement 8: Identify Users and Authenticate Access to System Components

	PCI DSS Requirement	Expected Testing		Check one res	Response *	ch requiremer	nt)
		, , , , , , , , , , , , , , , , , , , ,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>8.1</b> Proc	esses and mechanisms for identifying users and authenticati	ng access to system components a	re defined an	d understood.			
8.1.1	All security policies and operational procedures that are identified in Requirement 8 are:	Examine documentation.     Interview personnel.					
	<ul><li>Documented.</li><li>Kept up to date.</li><li>In use.</li><li>Known to all affected parties.</li></ul>	interview personner.	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
8.1.2	Roles and responsibilities for performing activities in Requirement 8 are documented, assigned, and understood.	Examine documentation.     Interview responsible personnel.	Describe res	ults as instruct	ed in "Require	ment Respons	ces" (page v)
<b>8.2</b> User	identification and related accounts for users and administrat	ors are strictly managed throughou	t an account's	lifecycle.			
8.2.1	All users are assigned a unique ID before access to system components or cardholder data is allowed.	<ul> <li>Interview responsible personnel.</li> <li>Examine audit logs and other evidence.</li> </ul>					
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
	This requirement is not intended to apply to user accounts within point-of-sale terminals that have access to only one card number at a time to facilitate a single transaction.						

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)
		, , , , , , , , , , , , , , , , , , , ,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.2.2	<ul> <li>Group, shared, or generic IDs, or other shared authentication credentials are only used when necessary on an exception basis, and are managed as follows:</li> <li>ID use is prevented unless needed for an exceptional circumstance.</li> <li>Use is limited to the time needed for the exceptional circumstance.</li> <li>Business justification for use is documented.</li> <li>Use is explicitly approved by management.</li> <li>Individual user identity is confirmed before access to an account is granted.</li> <li>Every action taken is attributable to an individual user.</li> </ul>	Examine user account lists on system components and applicable documentation.     Examine authentication policies and procedures.     Interview system administrators.					
	Applicability Notes			ults as instruct	ed in "Require	ment Respons	ses" (page v)
	This requirement is not intended to apply to user account that have access to only one card number at a time to face	•					
8.2.3	Additional requirement for service providers only: Service providers with remote access to customer premises use unique authentication factors for each customer premises.	Examine authentication policies and procedures.     Interview personnel.					
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	ses" (page v)
	This requirement applies only when the entity being asse	ssed is a service provider.					
	This requirement is not intended to apply to service provious services environments, where multiple customer environments.						
	If service provider employees use shared authentication to customer premises, these factors must be unique per customer accordance with Requirement 8.2.2.	•					



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremen	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.2.4	<ul> <li>Addition, deletion, and modification of user IDs, authentication factors, and other identifier objects are managed as follows:</li> <li>Authorized with the appropriate approval.</li> <li>Implemented with only the privileges specified on the documented approval.</li> </ul>	<ul> <li>Examine documented authorizations across various phases of the account lifecycle (additions, modifications, and deletions).</li> <li>Examine system settings.</li> </ul>					
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	es" (page v)
	This requirement applies to all user accounts, including e consultants, temporary workers, and third-party vendors.						
8.2.5	Access for terminated users is immediately revoked.	Examine information     sources for terminated	$\boxtimes$				
		users.	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
		<ul><li>Review current user access lists.</li><li>Interview responsible personnel.</li></ul>					
8.2.6	Inactive user accounts are removed or disabled within	Examine user accounts and last logon information.					
	90 days of inactivity.	Interview responsible personnel.	Describe res	sults as instruct	ed in "Require	ment Respons	es" (page v)
8.2.7	Accounts used by third parties to access, support, or	Interview responsible	$\boxtimes$				
	maintain system components via remote access are managed as follows:	<ul><li>personnel.</li><li>Examine documentation for</li></ul>	Describe res	sults as instruct	ed in "Require	ment Respons	es" (page v)
	<ul> <li>Enabled only during the time period needed and disabled when not in use.</li> <li>Use is monitored for unexpected activity.</li> </ul>	managing accounts.  • Examine evidence.					



	PCI DSS Requirement	Expected Testing	(	Check one res	Response *	ch requiremer	nt)
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.2.8	If a user session has been idle for more than 15 minutes, the user is required to re-authenticate to reactivate the terminal or session.	Examine system configuration settings.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	This requirement is not intended to apply to user accounts on point-of-sale terminals that have access to only one card number at a time to facilitate a single transaction .						
	This requirement is not meant to prevent legitimate activi the console/PC is unattended.	ties from being performed while					
<b>8.3</b> Stron	g authentication for users and administrators is established	and managed.					
8.3.1	All user access to system components for users and administrators is authenticated via at least one of the following authentication factors:  Something you know, such as a password or passphrase.  Something you have, such as a token device or smart card.  Something you are, such as a biometric element.	Examine documentation describing the authentication factor(s) used.     For each type of authentication factor used with each type of system component, observe the authentication process.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	This requirement is not intended to apply to user account have access to only one card number at a time to facilitate						
	This requirement does not supersede multi-factor authentication (MFA) requirements but applies to those in-scope systems not otherwise subject to MFA requirements.						
	A digital certificate is a valid option for "something you hauser	ave" if it is unique for a particular					



	PCI DSS Requirement	Expected Testing	(	Check one res	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.3.2	Strong cryptography is used to render all authentication factors unreadable during transmission and storage on	Examine vendor documentation					
	all system components.	Examine System	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
		<ul> <li>configuration settings.</li> <li>Examine repositories of authentication factors.</li> </ul>					
		Examine data transmissions.					
8.3.3	User identity is verified before modifying any authentication factor.	Examine procedures for modifying authentication					
		factors.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
		Observe security personnel.					
8.3.4	Invalid authentication attempts are limited by:	Examine system configuration settings.					
	Locking out the user ID after not more than 10 attempts.	comigardaon countigo.					
	Setting the lockout duration to a minimum of 30 minutes or until the user's identity is confirmed.						
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)				
	This requirement is not intended to apply to user account that have access to only one card number at a time to fact	•					
8.3.5	If passwords/passphrases are used as authentication factors to meet Requirement 8.3.1, they are set and	Examine procedures for setting and resetting					
	reset for each user as follows:	passwords/passphrases.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	Set to a unique value for first-time use and upon reset.	Observe security personnel.					
	Forced to be changed immediately after the first use.						



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)			
			In Place	In Place			Not in Place			
8.3.6	<ul> <li>If passwords/passphrases are used as authentication factors to meet Requirement 8.3.1, they meet the following minimum level of complexity:</li> <li>A minimum length of 12 characters (or IF the system does not support 12 characters, a minimum length of eight characters).</li> <li>Contain both numeric and alphabetic characters.</li> </ul>	Examine system configuration settings.								
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page v)						
	This requirement is not intended to apply to:									
	User accounts on point-of-sale terminals that have ac a time to facilitate a single transaction .	cess to only one card number at								
	Application or system accounts, which are governed to	·								
	This requirement is a best practice until 31 March 2025, a must be fully considered during a PCI DSS assessment.	after which it will be required and								
	Until 31 March 2025, passwords must be a minimum leng accordance with PCI DSS v3.2.1 Requirement 8.2.3.	gth of seven characters in								
8.3.7	Individuals are not allowed to submit a new password/passphrase that is the same as any of the last four passwords/passphrases used.	Examine system configuration settings.								
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)			
	This requirement is not intended to apply to user account that have access to only one card number at a time to face									



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremen	nt)
		<b>J</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.3.8	Authentication policies and procedures are documented and communicated to all users including:	<ul><li>Examine procedures.</li><li>Interview personnel.</li></ul>					
	Guidance on selecting strong authentication factors.	Review authentication	Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
	Guidance for how users should protect their authentication factors.	policies and procedures that are distributed to users.					
	Instructions not to reuse previously used passwords/passphrases.	Interview users.					
	Instructions to change passwords/passphrases if there is any suspicion or knowledge that the password/passphrases have been compromised and how to report the incident.						
8.3.9	If passwords/passphrases are used as the only authentication factor for user access (i.e., in any single-factor authentication implementation) then either:	Inspect system configuration settings.					
	Passwords/passphrases are changed at least once every 90 days,						
	OR						
	The security posture of accounts is dynamically analyzed, and real-time access to resources is automatically determined accordingly.						
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	es" (page v)
	This requirement does not apply to in-scope system com	ponents where MFA is used.					
	This requirement is not intended to apply to user account have access to only one card number at a time to facilitate	•					
	This requirement does not apply to service providers' cus accounts for service provider personnel.	stomer accounts but does apply to					



	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
	,		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
8.3.10	Additional requirement for service providers only:  If passwords/passphrases are used as the only authentication factor for customer user access to cardholder data (i.e., in any single-factor authentication implementation), then guidance is provided to customer users including:  Guidance for customers to change their user passwords/passphrases periodically.  Guidance as to when, and under what circumstances, passwords/passphrases are to be changed.	Examine guidance provided to customer users.						
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	ses" (page v)	
	This requirement applies only when the entity being asse	ssed is a service provider.						
	This requirement does not apply to accounts of consume payment card information.	r users accessing their own						
	This requirement for service providers will be superseded 8.3.10.1 becomes effective.	by Requirement 8.3.10.1 once						



	PCI DSS Requirement	Expected Testing	((	Check one res	Response *	ch requiremer	nt)
		,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.3.10.1	Additional requirement for service providers only:  If passwords/passphrases are used as the only authentication factor for customer user access (i.e., in any single-factor authentication implementation) then either:  Passwords/passphrases are changed at least once every 90 days,  OR  The security posture of accounts is dynamically analyzed, and real-time access to resources is automatically determined accordingly.	Inspect system configuration settings.					
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	es" (page v)
	This requirement applies only when the entity being asse	ssed is a service provider.					
	This requirement does not apply to accounts of consume payment card information.	r users accessing their own					
	This requirement is a best practice until 31 March 2025, a must be fully considered during a PCI DSS assessment.	after which it will be required and					
	Until this requirement is effective on 31 March 2025, serving Requirement 8.3.10 or 8.3.10.1.	rice providers may meet either					
8.3.11	Where authentication factors such as physical or logical security tokens, smart cards, or certificates are	Examine authentication policies and procedures.					
	used:	Interview security personnel.	Describe res	ults as instruct	ted in "Require	ment Respons	es" (page v)
	Factors are assigned to an individual user and not shared among multiple users.	Examine system configuration settings and/or					
	Physical and/or logical controls ensure only the intended user can use that factor to gain access.	observe physical controls, as applicable.					



	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
8.4 Multi-f	actor authentication (MFA) is implemented to secure acces							
8.4.1	MFA is implemented for all non-console access into the CDE for personnel with administrative access.	<ul> <li>Examine network and/or system configurations.</li> <li>Observe administrator personnel logging into the CDE.</li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)	
	The requirement for MFA for non-console administrative with elevated or increased privileges accessing the CDE that is, via logical access occurring over a network interfaphysical connection.	via a non-console connection—						



	DOLDOS Deminentos	Function Testing	(	Check one res	Response *	ch requiremer	nt)
	MFA is implemented for all non-console access into th CDE.	Expected Testing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.4.2	MFA is implemented for all non-console access into the CDE.	<ul> <li>Examine network and/or system configurations.</li> <li>Observe personnel logging in to the CDE.</li> <li>Examine evidence.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>This requirement does not apply to:</li> <li>Application or system accounts performing automated.</li> <li>User accounts on point-of-sale terminals that have ac a time to facilitate a single transaction.</li> <li>User accounts that are only authenticated with phishir factors.</li> <li>MFA is required for both types of access specified in Requirement applying MFA to one type of access does not instance of MFA to the other type of access. If an individual network via remote access, and then later initiates a contained the network, per this requirement the individual would authen acconnecting via remote access to the entity's network from the entity's network into the CDE.</li> <li>The MFA requirements apply for all types of system compositems, and on-premises applications, network security and endpoints, and includes access directly to an entity's web-based access to an application or function.</li> <li>MFA for access into the CDE can be implemented at the level; it does not have to be applied at both levels. For except the connects to the CDE network, it does not have to be each system or application within the CDE.</li> <li>This requirement is a best practice until 31 March 2025, and must be fully considered during a PCI DSS assessment.</li> </ul>	ng-resistant authentication  quirements 8.4.2 and 8.4.3. replace the need to apply another all first connects to the entity's nection into the CDE from within thenticate using MFA twice, once k and once when connecting conents, including cloud, hosted devices, workstations, servers, networks or systems as well as network or system/application ample, if MFA is used when a sused when the user logs into					



	PCI DSS Requirement	Expected Testing	(1)	Check one res	Response *	ch requiremer	nt)
	r of Doo Requirement	Expected resting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.4.3	MFA is implemented for all remote access originating from outside the entity's network that could access or impact the CDE.	<ul> <li>Examine network and/or system configurations for remote access servers and systems.</li> <li>Observe personnel (for example, users and administrators) and third parties connecting remotely to the network.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The requirement for MFA for remote access originating from outside the entity's network applies to all user accounts that can access the network remotely, where that remote access leads to or could lead to access into the CDE. This includes all remote access by personnel (users and administrators), and third parties (including, but not limited to, vendors, suppliers, service providers, and customers).  If remote access is to a part of the entity's network that is properly segmented from the CDE, such that remote users cannot access or impact the CDE, MFA for remote access to that part of the network is not required. However, MFA is required for any remote access to networks with access to the CDE and is recommended for all remote access to the entity's networks.  The MFA requirements apply for all types of system components, including cloud, hosted systems, and on-premises applications, network security devices, workstations, servers, and endpoints, and includes access directly to an entity's networks or systems as well as web-based access to an application or function.						



	PCI DSS Requirement	Expected Testing	(	Check one re:	Response •	ch requiremer	nt)
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.5 Multi	-factor authentication (MFA) systems are configured to preven	ent misuse.					
8.5.1	<ul> <li>MFA systems are implemented as follows:</li> <li>The MFA system is not susceptible to replay attacks.</li> <li>MFA systems cannot be bypassed by any users, including administrative users unless specifically documented, and authorized by management on an exception basis, for a limited time period.</li> <li>At least two different types of authentication factors are used.</li> <li>Success of all authentication factors is required before access is granted.</li> </ul>	Examine vendor system documentation.     Examine system configurations for the MFA implementation.     Interview responsible personnel and observe processes.     Observe personnel logging into system components in the CDE.     Observe personnel connecting remotely from outside the entity's network.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025, must be fully considered during a PCI DSS assessment.	after which it will be required and					



	PCI DSS Requirement	Expected Testing	(	Check one re:	Response *	ch requiremei	nt <b>)</b>
	1 of 200 Requirement		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>8.6</b> Use	of application and system accounts and associated authentic	cation factors is strictly managed.					
8.6.1	If accounts used by systems or applications can be used for interactive login, they are managed as follows:  Interactive use is prevented unless needed for an exceptional circumstance.  Interactive use is limited to the time needed for the exceptional circumstance.  Business justification for interactive use is documented.  Interactive use is explicitly approved by management.  Individual user identity is confirmed before access to account is granted.  Every action taken is attributable to an individual user.	Examine application and system accounts that can be used for interactive login.     Interview administrative personnel.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025, amust be fully considered during a PCI DSS assessment.	after which it will be required and					



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
8.6.2	Passwords/passphrases for any application and system accounts that can be used for interactive login are not hard coded in scripts, configuration/property files, or bespoke and custom source code.	<ul> <li>Interview personnel.</li> <li>Examine system development procedures.</li> <li>Examine scripts, configuration/property files, and bespoke and custom source code for application and system accounts that can be used for interactive login.</li> </ul>					
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	ses" (page v)
	Stored passwords/passphrases are required to be encryped Requirement 8.3.2.  This requirement is a best practice until 31 March 2025, a must be fully considered during a PCI DSS assessment.						
8.6.3	Passwords/passphrases for any application and system accounts are protected against misuse as follows:  • Passwords/passphrases are changed periodically (at the frequency defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1) and upon suspicion or confirmation of compromise.  • Passwords/passphrases are constructed with sufficient complexity appropriate for how frequently the entity changes the passwords/passphrases.	<ul> <li>Examine policies and procedures.</li> <li>Examine the targeted risk analysis.</li> <li>Interview responsible personnel.</li> <li>Examine system configuration settings.</li> </ul>					
	Applicability Notes		Describe res	sults as instruct	ed in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025, a must be fully considered during a PCI DSS assessment.	after which it will be required and					



### Requirement 9: Restrict Physical Access to Cardholder Data

	PCI DSS Requirement	Expected Testing	(	Check one re	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>9.1</b> Proce	esses and mechanisms for restricting physical access to c	ardholder data are defined and und	derstood.				
9.1.1	All security policies and operational procedures that are identified in Requirement 9 are:	Examine documentation.     Interview personnel.	$\boxtimes$				
	Documented.	Interview personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	<ul><li>Kept up to date.</li><li>In use.</li><li>Known to all affected parties.</li></ul>						
9.1.2	Roles and responsibilities for performing activities in	Examine documentation.					
	Requirement 9 are documented, assigned, and understood.	Interview responsible personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
<b>9.2</b> Phys	ical access controls manage entry into facilities and syste	ms containing cardholder data.					
9.2.1	Appropriate facility entry controls are in place to restrict physical access to systems in the CDE.	Observe physical entry controls.					
	results physical access to cyclomic in the CDL.	Interview responsible personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)
	Applicability Notes	porcernien					
	This requirement does not apply to locations that are p (cardholders).	publicly accessible by consumers					

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement		Expected Testing	Response *  (Check one response for each requirement)						
		, J		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
9.2.1.1	Individual physical access to sensitive areas within the CDE is monitored with either video cameras or	Observe locations where individual physical access to								
	physical access control mechanisms (or both) as follows:		Observe the physical access control mechanisms and/or examine video cameras.	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)		
	Entry and exit points to/from sensitive areas within the CDE are monitored.	•								
	Monitoring devices or mechanisms are protected from tampering or disabling.									
	Collected data is reviewed and correlated with other entries.	•	Interview responsible personnel.							
	Collected data is stored for at least three months, unless otherwise restricted by law.									
9.2.2	Physical and/or logical controls are implemented to restrict use of publicly accessible network jacks	Observe locations of	· ·	$\boxtimes$						
	within the facility.		Describe results as instructed in "Requirement Responses" (page v)							
			publicly accessible network jacks.							
9.2.3	Physical access to wireless access points, gateways, networking/communications hardware,	•	Interview responsible personnel.							
	and telecommunication lines within the facility is restricted.	•	Observe locations of hardware and lines.	Describe results as instructed in "Requirement Responses" (page v)						
	restricted.				I	T	I			
9.2.4	Access to consoles in sensitive areas is restricted via locking when not in use.	•	Observe a system administrator's attempt to							
	via locking when not in use.		log into consoles in sensitive areas.	Describe res	sults as instruct	ted in "Require	ment Respons	es" (page v)		



	PCI DSS Requirement		Expected Testing	(	Check one res	Response *	ch reauiremer	nt)
	PCI DSS Requirement		Expected resung	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
9.3 Physic	al access for personnel and visitors is authorized and m	ana	ged.					
9.3.1	Procedures are implemented for authorizing and managing physical access of personnel to the CDE, including:  Identifying personnel.  Managing changes to an individual's physical	•	Examine documented procedures. Observe identification methods, such as ID badges.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>access requirements.</li> <li>Revoking or terminating personnel identification.</li> <li>Limiting access to the identification process or system to authorized personnel.</li> </ul>	•	Observe processes.					
9.3.1.1	Physical access to sensitive areas within the CDE for personnel is controlled as follows:  Access is authorized and based on individual job function.  Access is revoked immediately upon termination.  All physical access mechanisms, such as keys, access cards, etc., are returned or disabled upon termination.		Observe personnel in sensitive areas within the CDE. Interview responsible personnel. Examine physical access control lists. Observe processes.	Describe res	Sults as instruc	ted in "Require	ment Respons	ses" (page v)
9.3.2	Procedures are implemented for authorizing and managing visitor access to the CDE, including:  Visitors are authorized before entering.  Visitors are escorted at all times.  Visitors are clearly identified and given a badge or other identification that expires.  Visitor badges or other identification visibly distinguishes visitors from personnel.	•	<ul> <li>Examine documented procedures.</li> <li>Observe processes when visitors are present in the CDE.</li> <li>Interview personnel.</li> <li>Observe the use of visitor badges or other identification.</li> </ul>	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
9.3.3	Visitor badges or identification are surrendered or deactivated before visitors leave the facility or at the date of expiration.	•	Observe visitors leaving the facility Interview personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(	Check one re	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
9.3.4	Visitor logs are used to maintain a physical record of visitor activity both within the facility and within	<ul><li>Examine the visitor logs.</li><li>Interview responsible</li></ul>					
	sensitive areas, including:	personnel.	Describe rea	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The visitor's name and the organization represented.	Examine visitor log storage locations.					
	<ul><li>The date and time of the visit.</li><li>The name of the personnel authorizing physical access.</li></ul>						
	Retaining the log for at least three months, unless otherwise restricted by law.						
9.4 Media	with cardholder data is securely stored, accessed, distrib	outed, and destroyed.					
9.4.1	All media with cardholder data is physically secured.	Examine documentation.					
			Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
9.4.1.1	Offline media backups with cardholder data are stored in a secure location.	Examine documented procedures.					
		Examine logs or other	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
		documentation.  Interview responsible personnel at the storge location(s).					
9.4.1.2	The security of the offline media backup location(s) with cardholder data is reviewed at least once every	Examine documented procedures, logs, or other	$\boxtimes$				
	12 months.	documentation.	Describe rea	sults as instruc	ted in "Require	ment Respons	ses" (page v)
		Interview responsible personnel at the storage location(s).					
9.4.2	All media with cardholder data is classified in accordance with the sensitivity of the data.	Examine documented procedures.					
	association with the continuity of the data.	Examine media logs or other documentation.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)		
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
9.4.3	<ul> <li>Media with cardholder data sent outside the facility is secured as follows:</li> <li>Media sent outside the facility is logged.</li> <li>Media is sent by secured courier or other delivery</li> </ul>	<ul> <li>Examine documented procedures.</li> <li>Interview personnel.</li> <li>Examine records.</li> </ul>		Describe results as instructed in "Requirement Responses" (page v)  removeable media is not used					
	method that can be accurately tracked.  • Offsite tracking logs include details about media location.	Examine offsite tracking logs for all media.	removeabl	e media is n	ot useu				
9.4.4	Management approves all media with cardholder data that is moved outside the facility (including when media is distributed to individuals).	<ul> <li>Examine documented procedures.</li> <li>Examine offsite media tracking logs.</li> <li>Interview responsible personnel.</li> </ul>							
	Applicability Notes		Describe results as instructed in "Requirement Responses						
	Individuals approving media movements should have management authority to grant this approval. Howeve that such individuals have "manager" as part of their ti	ver, it is not specifically required	emoveable	e media is no	ot used				
9.4.5	Inventory logs of all electronic media with cardholder data are maintained.	Examine documented procedures.			$\boxtimes$				
	uata are mamameu.	Examine electronic media	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)		
		<ul><li>inventory logs.</li><li>Interview responsible personnel.</li></ul>	emoveable	e media is no	ot used				
9.4.5.1	9.4.5.1 Inventories of electronic media with cardholder data are conducted at least once every 12 months.	Examine documented							
		procedures.  • Examine electronic media	Describe results as instructed in "Requirement Responses" (page v)						
	are conducted at least once every 12 months.	Examine electronic media	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)		



	PCI DSS Requirement	Expected Testing		Check one res	Response •	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
9.4.6	<ul> <li>Hard-copy materials with cardholder data are destroyed when no longer needed for business or legal reasons, as follows:</li> <li>Materials are cross-cut shredded, incinerated, or pulped so that cardholder data cannot be reconstructed.</li> <li>Materials are stored in secure storage containers prior to destruction.</li> </ul>	<ul> <li>Examine the media destruction policy.</li> <li>Observe processes.</li> <li>Interview personnel.</li> <li>Observe storage containers.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	These requirements for media destruction when that me business or legal reasons are separate and distinct frow hich is for securely deleting cardholder data when no cardholder data retention policies.	m PCI DSS Requirement 3.2.1,	ent 3.2.1,				
9.4.7	Electronic media with cardholder data is destroyed when no longer needed for business or legal reasons via one of the following:  The electronic media is destroyed.  The cardholder data is rendered unrecoverable so that it cannot be reconstructed.	Examine the media destruction policy.     Observe the media destruction process.     Interview responsible personnel.					
	Applicability Notes		Describe res	sults as instruct	ted in "Require	ment Respons	ses" (page v)
	These requirements for media destruction when that me business or legal reasons are separate and distinct frow hich is for securely deleting cardholder data when no cardholder data retention policies.	m PCI DSS Requirement 3.2.1,	emoveable	e media is no	ot used		



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt <b>)</b>		
		pooton / com/ig	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
9.5 Point-of-	interaction (POI) devices are protected from tampering	g and unauthorized substitution.							
9.5.1	POI devices that capture payment card data via direct physical interaction with the payment card form factor are protected from tampering and unauthorized substitution, including the following:  • Maintaining a list of POI devices.  • Periodically inspecting POI devices to look for tampering or unauthorized substitution.  • Training personnel to be aware of suspicious behavior and to report tampering or unauthorized substitution of devices.	Examine documented policies and procedures.							
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)						
	These requirements apply to deployed POI devices used in card-present transactions (that is, a payment card form factor such as a card that is swiped, tapped, or dipped). These requirements do not apply to:  Components used only for manual PAN key entry.  Commercial off-the-shelf (COTS) devices (for example, smartphones or tablets), which are mobile merchant-owned devices designed for mass-market distribution.			POI devices are not used					
9.5.1.1	An up-to-date list of POI devices is maintained, including:	Examine the list of POI devices.							
	Make and model of the device.	Observe POI devices and	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)		
	<ul> <li>Location of device.</li> <li>Device serial number or other methods of unique identification.</li> </ul>	device locations.  Interview personnel.	POI device	es are not us	ed				
9.5.1.2	POI device surfaces are periodically inspected to	Examine documented procedures.							
	detect tampering and unauthorized substitution.	Interview responsible	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)		
		personnel.  Observe inspection processes.	POI device	es are not us	ed				



	PCI DSS Requirement	Expected Testing	Response •  (Check one response for each requirement)						
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
9.5.1.2.1	The frequency of periodic POI device inspections and the type of inspections performed is defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.	<ul> <li>Examine the targeted risk analysis.</li> <li>Examine documented results of periodic device inspections.</li> <li>Interview personnel.</li> </ul>							
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	ses" (page v)		
	This requirement is a best practice until 31 March 2025, after which it will be required and must be fully considered during a PCI DSS assessment.			POI devices are not used					
9.5.1.3	Training is provided for personnel in POI environments to be aware of attempted tampering	Review training materials for personnel in POI			$\boxtimes$				
	or replacement of POI devices, and includes:	environments.	Describe results as instructed in "Requirement Responses" (page v)						
	<ul> <li>Verifying the identity of any third-party persons claiming to be repair or maintenance personnel, before granting them access to modify or troubleshoot devices.</li> </ul>	Interview responsible personnel.	POI device	es are not us	ed				
	Procedures to ensure devices are not installed, replaced, or returned without verification.								
	Being aware of suspicious behavior around devices.								
	<ul> <li>Reporting suspicious behavior and indications of device tampering or substitution to appropriate personnel.</li> </ul>								



# **Regularly Monitor and Test Networks**

#### Requirement 10: Log and Monitor All Access to System Components and Cardholder Data

	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>10.1</b> Proce	esses and mechanisms for logging and monitoring all a	ccess to system components and cardl	holder data ar	e defined and	understood.			
10.1.1	All security policies and operational procedures that are identified in Requirement 10 are:	Examine documentation.     Interview personnel.						
	Documented.	mitorview personner.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
	Kept up to date.							
	<ul><li>In use.</li><li>Known to all affected parties.</li></ul>							
10.1.2	Roles and responsibilities for performing activities in Requirement 10 are documented, assigned, and understood.	Examine documentation.     Interview responsible	$\boxtimes$					
		personnel.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
<b>10.2</b> Audit	logs are implemented to support the detection of anom	nalies and suspicious activity, and the fo	orensic analys	sis of events.				
10.2.1	Audit logs are enabled and active for all system components and cardholder data.	Interview the system administrator.	$\boxtimes$					
	componente una caranelaer data.	Examine system configurations.	Describe results as instructed in "Requirement Responses" (page v					
10.2.1.1	Audit logs capture all individual user access to	user access to  • Examine audit log			П	П		
10.2	cardholder data.	configurations.	Describe results as instructed in "Requirement Responses" (page v)					
		Examine audit log data.	Describe res	รนแร สร เกรโทนต	ieu iri Kequire	етет кезроп	ses (page V)	

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *		nt <b>)</b>	
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
10.2.1.2	Audit logs capture all actions taken by any	Examine audit log						
	individual with administrative access, including any interactive use of application or system accounts.	configurations.  • Examine audit log data.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
10.2.1.3	Audit logs capture all access to audit logs.	e all access to audit logs.  • Examine audit log configurations.						
		Examine audit log data.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
10.2.1.4	Audit logs capture all invalid logical access attempts.	configurations.	$\boxtimes$					
	attempts.		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
10.2.1.5	Audit logs capture all changes to identification and authentication credentials including, but not limited	<ul> <li>Examine audit log configurations.</li> <li>Examine audit log data.</li> </ul>						
	to:		Describe results as instructed in "Requirement Responses" (page v)					
	<ul> <li>Creation of new accounts.</li> <li>Elevation of privileges.</li> <li>All changes, additions, or deletions to accounts with administrative access.</li> </ul>							
10.2.1.6	Audit logs capture the following:	Examine audit log configurations.						
	<ul><li>All initialization of new audit logs, and</li><li>All starting, stopping, or pausing of the existing audit logs.</li></ul>	Examine audit log data.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
10.2.1.7	Audit logs capture all creation and deletion of	Examine audit log     configurations	$\boxtimes$					
	system-level objects.	configurations.  • Examine audit log data.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	



	PCI DSS Requirement	DSS Requirement Expected Testing		Check one res	Response *		nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
10.2.2	Audit logs record the following details for each auditable event:	Interview responsible personnel.					
	User identification.	Examine audit log configurations.	Describe re	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	Type of event.	Examine audit log data.					
	Date and time.						
	Success and failure indication.						
	Origination of event.						
	Identity or name of affected data, system component, resource, or service (for example, name and protocol).						
<b>10.3</b> Aud	it logs are protected from destruction and unauthorized i	modifications.					
10.3.1	Read access to audit logs files is limited to those	Interview system administrators     Examine system configurations and privileges.   D					
	with a job-related need.		Describe re	sults as instruc	ted in "Require	ement Respon	ses" (page v)
10.3.2	Audit log files are protected to prevent modifications by individuals.	Examine system configurations and privileges.					
	by individuals.	Interview system administrators.	Describe rea	sults as instruc	ted in "Require	ement Respon	ses" (page v)
10.3.3	Audit log files, including those for external-facing technologies, are promptly backed up to a secure,	Examine backup configurations or log files.					
	central, internal log server(s) or other media that is		Describe re	sults as instruc	ted in "Require	ement Respon	ses" (page v)
	difficult to modify.						
10.3.4	File integrity monitoring or change-detection mechanisms is used on audit logs to ensure that	Examine system settings.     Examine monitored files.					
	existing log data cannot be changed without generating alerts.	ing log data cannot be changed without  • Examine results from		sults as instruc	ted in "Require	ement Respon	ses" (page v)



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *		nt <b>)</b>	
		<b>_</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>10.4</b> Audi	t logs are reviewed to identify anomalies or suspicious a	ctivity.						
10.4.1	The following audit logs are reviewed at least once daily:	Examine security policies and procedures.						
	<ul> <li>All security events.</li> <li>Logs of all system components that store, process, or transmit CHD and/or SAD.</li> <li>Logs of all critical system components.</li> <li>Logs of all servers and system components that perform security functions (for example, network security controls, intrusion-detection systems/intrusion-prevention systems (IDS/IPS), authentication servers).</li> </ul>	Observe processes.     Interview personnel.		sults as instruc	·		ses" (page v)	
10.4.1.1	Automated mechanisms are used to perform audit log reviews.	<ul><li>Examine log review mechanisms.</li><li>Interview personnel.</li></ul>						
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)					
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme	•						
10.4.2	Logs of all other system components (those not specified in Requirement 10.4.1) are reviewed periodically.	<ul> <li>Examine security policies and procedures.</li> <li>Examine documented results of log reviews.</li> <li>Interview personnel.</li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	This requirement is applicable to all other in-scope sy Requirement 10.4.1.	stem components not included in						



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *		nt)	
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
10.4.2.1	The frequency of periodic log reviews for all other system components (not defined in Requirement 10.4.1) is defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.	<ul> <li>Examine the targeted risk analysis.</li> <li>Examine documented results of periodic log reviews.</li> <li>Interview personnel.</li> </ul>						
	Applicability Notes			sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessment	the state of the s						
10.4.3	Exceptions and anomalies identified during the review process are addressed.	Examine security policies and procedures.	$\boxtimes$					
	review process are addressed.		Describe results as instructed in "Requirement Responses" (page					
		Interview personnel.						
<b>10.5</b> Audi	t log history is retained and available for analysis.							
10.5.1	Retain audit log history for at least 12 months, with at least the most recent three months immediately	Examine documented audit log retention policies and procedures.						
	available for analysis.		Describe results as instructed in "Requirement Responses" (page v					
		Examine configurations of audit log history.						
		Examine audit logs.						
		Interview personnel.						
		Observe processes.						
<b>10.6</b> Time	e-synchronization mechanisms support consistent time s	settings across all systems.						
10.6.1	System clocks and time are synchronized using time-synchronization technology.	Examine system configuration settings.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
	Keeping time-synchronization technology current incl patching the technology according to PCI DSS Requi							



	PCI DSS Requirement	PCI DSS Requirement Expected Testing		Check one res	Response *		n <b>t)</b>
	,		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
10.6.2	Systems are configured to the correct and consistent time as follows:	Examine system configuration settings for acquiring,					
	<ul> <li>One or more designated time servers are in use.</li> <li>Only the designated central time server(s) receives time from external sources.</li> <li>Time received from external sources is based on International Atomic Time or Coordinated Universal Time (UTC).</li> <li>The designated time server(s) accept time updates only from specific industry-accepted external sources.</li> <li>Where there is more than one designated time server, the time servers peer with one another to keep accurate time.</li> <li>Internal systems receive time information only from designated central time server(s).</li> </ul>	distributing, and storing the correct time.	Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)
10.6.3	Time synchronization settings and data are protected as follows:	Examine system configurations and time-synchronization					
	Access to time data is restricted to only personnel with a business need.	settings and logs.  Observe processes.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	Any changes to time settings on critical systems are logged, monitored, and reviewed.						



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
	1 of Boo Requirement	_Apolica rocuing	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>10.7</b> Faile	ures of critical security control systems are detected, rep	ported, and responded to promptly.						
10.7.1	Additional requirement for service providers only: Failures of critical security control systems are detected, alerted, and addressed promptly, including but not limited to failure of the following critical security control systems:  Network security controls.  IDS/IPS.  FIM.  Anti-malware solutions.  Physical access controls.  Logical access controls.  Audit logging mechanisms.  Segmentation controls (if used).	Examine documented processes.     Observe detection and alerting processes.     Interview personnel.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respon	ses" (page v)	
	This requirement applies only when the entity being a	assessed is a service provider.						
	This requirement will be superseded by Requirement	t 10.7.2 once as of 31 March 2025.						



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *		nt)	
	r er bee requirement	=xpootou rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
10.7.2	Failures of critical security control systems are detected, alerted, and addressed promptly, including but not limited to failure of the following critical security control systems:  Network security controls.  IDS/IPS.  Change-detection mechanisms.  Anti-malware solutions.  Physical access controls.  Logical access controls.  Audit logging mechanisms.  Segmentation controls (if used).  Audit log review mechanisms.  Automated security testing tools (if used).	<ul> <li>Examine documented processes.</li> <li>Observe detection and alerting processes.</li> <li>Interview personnel.</li> </ul>						
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v					
	This requirement applies to all entities, including serv Requirement 10.7.1 as of 31 March 2025. It includes systems not in Requirement 10.7.1.							
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessment							



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response •		nt)
	1 of Boo Roquilomont		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
10.7.3	<ul> <li>Failures of any critical security control systems are responded to promptly, including but not limited to:</li> <li>Restoring security functions.</li> <li>Identifying and documenting the duration (date and time from start to end) of the security failure.</li> <li>Identifying and documenting the cause(s) of failure and documenting required remediation.</li> <li>Identifying and addressing any security issues that arose during the failure.</li> <li>Determining whether further actions are required as a result of the security failure.</li> <li>Implementing controls to prevent the cause of failure from reoccurring.</li> </ul>	<ul> <li>Examine documented processes .</li> <li>Interview personnel.</li> <li>Examine records related to critical security control systems failures.</li> </ul>					
	Resuming monitoring of security controls.  Applicability Notes		Describe res	 sults as instruc	 ted in "Require	ement Respon	ses" (page v)
	This requirement applies only when the entity being a March 2025, after which this requirement will apply to						
	This is a current v3.2.1 requirement that applies to se requirement is a best practice for all other entities unt required and must be fully considered during a PCI D	il 31 March 2025, after which it will be					



## Requirement 11: Test Security of Systems and Networks Regularly

	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>11.1</b> Proce	11.1 Processes and mechanisms for regularly testing security of systems and networks are defined and understood.							
11.1.1	All security policies and operational procedures that are identified in Requirement 11 are:	Examine documentation.  Interview personnel.  The state of the st						
	Documented.	Interview personnel.  De	Describe res	sults as instruct	ted in "Require	ment Respons	es" (page v)	
	<ul><li>Kept up to date.</li><li>In use.</li><li>Known to all affected parties.</li></ul>							
11.1.2	Roles and responsibilities for performing activities in Requirement 11 are documented, assigned,	Examine documentation.	$\boxtimes$					
	and understood.	Interview responsible personnel.	Describe res	sults as instruct	ted in "Require	ment Respons	es" (page v)	

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response •	ch requiremer	nt)
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>11.2</b> Wirele	ess access points are identified and monitored, and un	authorized wireless access points are	addressed.				
11.2.1	Authorized and unauthorized wireless access points are managed as follows:  The presence of wireless (Wi-Fi) access points is tested for.  All authorized and unauthorized wireless access points are detected and identified.  Testing, detection, and identification occurs at least once every three months.  If automated monitoring is used, personnel are notified via generated alerts.	<ul> <li>Examine policies and procedures.</li> <li>Examine the methodology(ies) in use and the resulting documentation.</li> <li>Interview personnel.</li> <li>Examine wireless assessment results.</li> <li>Examine configuration settings.</li> </ul>	⊠ Describe res	sults as instruct	ed in "Require	□ ment Respons	ces" (page v)
	The requirement applies even when a policy exists technology.	that prohibits the use of wireless					
	Methods used to meet this requirement must be sufficient authorized and unauthorized devices, including unauthorizes that themselves are authorized.	•					
11.2.2	An inventory of authorized wireless access points is maintained, including a documented business justification.	Examine documentation.	Describe res	Sults as instruct	ed in "Require	ment Respons	ces" (page v)



	PCI DSS Requirement	Expected Testing	Response •  (Check one response for each requirement)						
	1 of Boo Roquilomont	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
<b>11.3</b> Exte	rnal and internal vulnerabilities are regularly identified, p	prioritized, and addressed.							
11.3.1	<ul> <li>Internal vulnerability scans are performed as follows:</li> <li>At least once every three months.</li> <li>Vulnerabilities that are either high-risk or critical (according to the entity's vulnerability risk rankings defined at Requirement 6.3.1) are resolved.</li> <li>Rescans are performed that confirm all high-risk and all critical vulnerabilities (as noted above) have been resolved.</li> <li>Scan tool is kept up to date with latest vulnerability information.</li> <li>Scans are performed by qualified personnel and organizational independence of the tester exists.</li> </ul>	Examine internal scan report results.     Examine scan tool configurations.     Interview responsible personnel.							
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)		
	It is not required to use a QSA or ASV to conduct in	•							
	Internal vulnerability scans can be performed by quereasonably independent of the system component(system) network administrator should not be responsible for may choose to have internal vulnerability scans per vulnerability scanning.	s) being scanned (for example, a scanning the network), or an entity							



	PCI DSS Requirement	Expected Testing	Response  (Check one response for each requirement)						
	. 5. 255 (1645)		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
11.3.1.1	<ul> <li>All other applicable vulnerabilities (those not ranked as high-risk vulnerabilities or critical vulnerabilities according to the entity's vulnerability risk rankings defined at Requirement 6.3.1) are managed as follows:</li> <li>Addressed based on the risk defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.</li> <li>Rescans are conducted as needed.</li> </ul>	<ul> <li>Examine the targeted risk analysis.</li> <li>Interview responsible personnel.</li> <li>Examine internal scan report results or other documentation.</li> </ul>							
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page v)					
	The timeframe for addressing lower-risk vulnerabilit analysis per Requirement 12.3.1 that includes (mini protected, threats, and likelihood and/or impact of a	mally) identification of assets being							
	This requirement is a best practice until 31 March 2 and must be fully considered during a PCI DSS ass	•							



	PCI DSS Requirement	Expected Testing	(	Check one res	Response •	ch requiremer	nt)
	roi baa kequilement	Expected resting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
11.3.1.2	Internal vulnerability scans are performed via authenticated scanning as follows:					1	1
	Systems that are unable to accept credentials for authenticated scanning are documented.	<ul><li>Examine documentation.</li><li>Examine scan tool</li></ul>					
	Sufficient privileges are used for those systems that accept credentials for scanning.	configurations.  • Examine scan report results.					
	If accounts used for authenticated scanning can be used for interactive login, they are managed in accordance with Requirement 8.2.2.	<ul><li>Interview personnel.</li><li>Examine accounts used for authenticated scanning.</li></ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The authenticated scanning tools can be either hos	t-based or network-based.					
		t" privileges are those needed to access system resources such that a scan can be conducted that detects known vulnerabilities. irrement does not apply to system components that cannot accept credentials ing. Examples of systems that may not accept credentials for scanning include work and security appliances, mainframes, and containers.					
	for scanning. Examples of systems that may not accommodate						
	This requirement is a best practice until 31 March 2025, after which it will be required and must be fully considered during a PCI DSS assessment.						
11.3.1.3	Internal vulnerability scans are performed after any significant change as follows:  • Vulnerabilities that are either high-risk or critical (according to the entity's vulnerability risk rankings defined at Requirement 6.3.1) are resolved.  • Rescans are conducted as needed.  • Scans are performed by qualified personnel and organizational independence of the tester exists (not required to be a QSA or ASV).	Examine change control documentation.     Interview personnel.     Examine internal scan and rescan report as applicable.     Interview personnel.					
	Applicability Notes	1	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	Authenticated internal vulnerability scanning per Rescans performed after significant changes.	quirement 11.3.1.2 is not required for					



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response •	ch requiremer	nt)	
	·		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
11.3.2	External vulnerability scans are performed as follows:	Examine ASV scan reports.						
	At least once every three months.     By a PCI SSC Approved Scanning Vendor (ASV)							
	Vulnerabilities are resolved and ASV Program     Guide requirements for a passing scan are     met.							
	Rescans are performed as needed to confirm that vulnerabilities are resolved per the ASV Program Guide requirements for a passing scan.							
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)	
	For the initial PCI DSS assessment against this requirement, it is not required that four passing scans be completed within 12 months if the assessor verifies: 1) the most recent scan result was a passing scan, 2) the entity has documented policies and procedures requiring scanning at least once every three months, and 3) vulnerabilities noted in the scan results have been corrected as shown in a re-scan(s).							
	However, for subsequent years after the initial PCI I least every three months must have occurred.	DSS assessment, passing scans at						
	ASV scanning tools can scan a vast array of networ about the target environment (for example, load bala specific configurations, protocols in use, scan interfer between the ASV and scan customer.	ancers, third-party providers, ISPs,						
	Refer to the ASV Program Guide published on the F responsibilities, scan preparation, etc.	PCI SSC website for scan customer						
11.3.2.1	External vulnerability scans are performed after any significant change as follows:	Examine change control documentation.						
	Vulnerabilities that are scored 4.0 or higher by	Interview personnel.	Describe results as instructed in "Requirement Responses" (page v)					
	the CVSS are resolved.  Rescans are conducted as needed.	<ul> <li>Examine external scan, and as applicable rescan reports.</li> </ul>						
	Scans are performed by qualified personnel and organizational independence of the tester exists (not required to be a QSA or ASV).	applicable recoder reports.						



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *		nt)
		<b>,</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
.4 Exte	nal and internal penetration testing is regularly perform	ed, and exploitable vulnerabilities and	security weak	nesses are co	orrected.		
.4.1	A penetration testing methodology is defined, documented, and implemented by the entity, and includes:	Examine documentation.     Interview personnel.					
	<ul> <li>Industry-accepted penetration testing approaches.</li> <li>Coverage for the entire CDE perimeter and</li> </ul>						
	critical systems.						
	Testing from both inside and outside the network.						
	Testing to validate any segmentation and scope-reduction controls.						
	Application-layer penetration testing to identify, at a minimum, the vulnerabilities listed in Requirement 6.2.4.						
	Network-layer penetration tests that encompass all components that support network functions as well as operating systems.						
	Review and consideration of threats and vulnerabilities experienced in the last 12 months.						
	Documented approach to assessing and addressing the risk posed by exploitable vulnerabilities and security weaknesses found during penetration testing.						
	Retention of penetration testing results and remediation activities results for at least 12 months.						
	Applicability Notes (continued)		Describe res	sults as instruct	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing		Check one res	Response *	ch requiremer	nt <b>)</b>
		Expected recting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>11.4.1</b> (cont.)	Testing from inside the network (or "internal penetral both inside the CDE and into the CDE from trusted a Testing from outside the network (or "external penetral exposed external perimeter of trusted networks, and accessible to public network infrastructures.	and untrusted internal networks. tration testing") means testing the					
11.4.2	Internal penetration testing is performed:	Examine scope of work.					
	<ul><li>Per the entity's defined methodology.</li><li>At least once every 12 months.</li></ul>	Examine results from the most recent external penetration test.  Description:	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>After any significant infrastructure or application upgrade or change.</li> <li>By a qualified internal resource or qualified external third-party</li> <li>Organizational independence of the tester exists (not required to be a QSA or ASV).</li> </ul>	Interview responsible personnel.					
11.4.3	External penetration testing is performed:	Examine scope of work.     Examine results from the most recent external penetration test.     Interview responsible personnel.	$\boxtimes$				
	<ul> <li>Per the entity's defined methodology.</li> <li>At least once every 12 months.</li> <li>After any significant infrastructure or application upgrade or change.</li> <li>By a qualified internal resource or qualified external third-party</li> <li>Organizational independence of the tester exists (not required to be a QSA or ASV).</li> </ul>		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
11.4.4	Exploitable vulnerabilities and security	Examine penetration testing results.					
	weaknesses found during penetration testing are corrected as follows:	results.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>In accordance with the entity's assessment of the risk posed by the security issue as defined in Requirement 6.3.1.</li> <li>Penetration testing is repeated to verify the corrections.</li> </ul>						



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)
		<b>,</b>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
11.4.5	If segmentation is used to isolate the CDE from other networks, penetration tests are performed	<ul><li>Examine segmentation controls.</li><li>Review penetration-testing</li></ul>					
	on segmentation controls as follows:	methodology.	Describe res	sults as instruct	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>At least once every 12 months and after any changes to segmentation controls/methods</li> <li>Covering all segmentation controls/methods in use.</li> <li>According to the entity's defined penetration testing methodology.</li> <li>Confirming that the segmentation controls/methods are operational and effective, and isolate the CDE from all out-of-scope systems.</li> <li>Confirming effectiveness of any use of isolation to separate systems with differing security levels (see Requirement 2.2.3).</li> <li>Performed by a qualified internal resource or qualified external third party.</li> </ul>	Examine the results from the most recent penetration test.					
		Interview responsible personnel.					
	Organizational independence of the tester exists (not required to be a QSA or ASV).						



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *	ch requiremer	nt)
	T Of BOO Roquironionic	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
11.4.6	<ul> <li>Additional requirement for service providers only:</li> <li>If segmentation is used to isolate the CDE from other networks, penetration tests are performed on segmentation controls as follows:</li> <li>At least once every six months and after any changes to segmentation controls/methods.</li> <li>Covering all segmentation controls/methods in use.</li> <li>According to the entity's defined penetration testing methodology.</li> <li>Confirming that the segmentation controls/methods are operational and effective, and isolate the CDE from all out-of-scope systems.</li> <li>Confirming effectiveness of any use of isolation to separate systems with differing security levels (see Requirement 2.2.3).</li> <li>Performed by a qualified internal resource or qualified external third party.</li> <li>Organizational independence of the tester exists (not required to be a QSA or ASV).</li> </ul>	Examine the results from the most recent penetration test.     Interview responsible personnel.	Describe res	ults as instruct	ed in "Require	ment Respons	ees" (page v)
	This requirement applies only when the entity being	assessed is a service provider.					



	PCI DSS Requirement	Expected Testing	(1	Check one re	Response *		nt)
	r or boo requirement	Expedica resting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
11.4.7	Additional requirement for multi-tenant service providers only:	Examine evidence.					
	Multi-tenant service providers support their customers for external penetration testing per Requirement 11.4.3 and 11.4.4.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement applies only when the entity being provider.	assessed is a multi-tenant service					
	To meet this requirement, multi-tenant service provi	ders may either:					
	<ul> <li>Provide evidence to its customers to show that p performed according to Requirements 11.4.3 an subscribed infrastructure,</li> </ul>						
	OR						
	<ul> <li>Provide prompt access to each of its customers, penetration testing.</li> </ul>	<ul> <li>Provide prompt access to each of its customers, so customers can perform their own penetration testing.</li> </ul>					
	Evidence provided to customers can include redact needs to include sufficient information to prove that and 11.4.4 have been met on the customer's behalf Additional PCI DSS Requirements for Multi-Tenant	all elements of Requirements 11.4.3 . Refer also to <i>Appendix A1:</i>					
	This requirement is a best practice until 31 March 2 and must be fully considered during a PCI DSS ass	· · · · · · · · · · · · · · · · · · ·					



	PCI DSS Requirement	Expected Testing	(	Check one res	Response *	ch requiremer	nt)
		, ,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>11.5</b> Netwo	rk intrusions and unexpected file changes are detecte	d and responded to.					
11.5.1	Intrusion-detection and/or intrusion-prevention techniques are used to detect and/or prevent	Examine system configurations and network diagrams.	$\boxtimes$				
	intrusions into the network as follows:	Examine system configurations.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	All traffic is monitored at the perimeter of the CDE.	Interview responsible personnel.					
	<ul> <li>All traffic is monitored at critical points in the CDE.</li> <li>Personnel are alerted to suspected</li> </ul>	Examine vendor documentation.					
	Personnel are alerted to suspected compromises.						
	All intrusion-detection and prevention engines, baselines, and signatures are kept up to date.						
11.5.1.1	Additional requirement for service providers	Examine documentation.					
	only:	Examine configuration settings.					
	Intrusion-detection and/or intrusion-prevention techniques detect, alert on/prevent, and address	Examine the incident-response plan.					
	covert malware communication channels.	Interview responsible					
		personnel.					
		Observe processes.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement applies only when the entity being	assessed is a service provider.					
	This requirement is a best practice until 31 March 2 and must be fully considered during a PCI DSS ass	•					



	PCI DSS Requirement	Expected Testing	Response  (Check one response for each requirement)						
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
11.5.2	<ul> <li>A change-detection mechanism (for example, file integrity monitoring tools) is deployed as follows:</li> <li>To alert personnel to unauthorized modification (including changes, additions, and deletions) of critical files.</li> <li>To perform critical file comparisons at least once weekly.</li> </ul>	<ul> <li>Examine system settings for the change-detection mechanism.</li> <li>Examine monitored files.</li> <li>Examine results from monitoring activities.</li> </ul>							
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page					
	For change-detection purposes, critical files are usuchange, but the modification of which could indicate compromise. Change-detection mechanisms such a usually come pre-configured with critical files for the critical files, such as those for custom applications, the entity (that is, the merchant or service provider).	e a system compromise or risk of as file integrity monitoring products e related operating system. Other must be evaluated and defined by							



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
		p::g	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>11.6</b> Unau	uthorized changes on payment pages are detected and	responded to.						
11.6.1	A change- and tamper-detection mechanism is deployed as follows:							
	To alert personnel to unauthorized modification (including indicators of compromise, changes, additions, and deletions) to the security-impacting HTTP headers and the script contents of payment pages as received by the consumer browser.	<ul> <li>Examine system settings and mechanism configuration settings.</li> <li>Examine monitored payment pages.</li> <li>Examine results from</li> </ul>						
	The mechanism is configured to evaluate the received HTTP headers and payment pages.	<ul> <li>monitoring activities.</li> <li>Examine the mechanism configuration settings.</li> <li>Examine configuration settings.</li> <li>Interview responsible personnel.</li> </ul>						
	The mechanism functions are performed as follows:  At least once weekly,  OR  Periodically (at the frequency defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1).							
	Applicability Notes (continued)	1	Describe res	sults as instruc	ted in "Require	ment Respons	es" (page v)	



PCI DSS Requirement	Expected Testing	Response • (Check one response for each requirement)						
		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
This requirement also applies to entities with a webpy TPSP's/payment processor's embedded payment processor inline frames or iframes.)	9 \ /	The service	de does nott	rack change	s in applicati	on pages		
embedded payment page/form (for example, one or	This requirement does not apply to an entity for scripts in a TPSP's/payment processor's embedded payment page/form (for example, one or more iframes), where the entity includes a TPSP's/payment processor's payment page/form on its webpage.							
Scripts in the TPSP's/payment processor's embedd responsibility of the TPSP/payment processor to ma requirement.								
The intention of this requirement is not that an entity browsers of its consumers, but rather that the entity described under Examples in the PCI DSS Guidanc unexpected script activities.	uses techniques such as those							
This requirement is a best practice until 31 March 2 and must be fully considered during a PCI DSS ass	•							



## **Maintain an Information Security Policy**

### Requirement 12: Support Information Security with Organizational Policies and Programs

	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
		,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>12.1</b> A con	nprehensive information security policy that governs and	provides direction for protection of the e	entity's informa	ation assets is	known and c	urrent.		
12.1.1	An overall information security policy is:	Examine the information security						
	<ul><li>Established.</li><li>Published.</li><li>Maintained.</li></ul>	policy.  Interview personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
	Disseminated to all relevant personnel, as well as to relevant vendors and business partners.							
12.1.2	The information security policy is:	Examine the information security						
	<ul> <li>Reviewed at least once every 12 months.</li> <li>Updated as needed to reflect changes to business objectives or risks to the environment</li> </ul>	policy.  Interview responsible personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
12.1.3	The security policy clearly defines information	Examine the information security						
	security roles and responsibilities for all personnel, and all personnel are aware of and acknowledge their information security responsibilities.	<ul><li>policy.</li><li>Interview responsible personnel.</li><li>Examine documented evidence.</li></ul>	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)	
12.1.4	Responsibility for information security is formally	Examine the information security						
	assigned to a Chief Information Security Officer or other information security knowledgeable member of executive management.	policy.	Describe results as instructed in "Requirement Responses" (page v					

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	Response • (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>12.2</b> Acce	eptable use policies for end-user technologies are defined	and implemented.						
12.2.1	Acceptable use policies for end-user technologies are documented and implemented, including:     Explicit approval by authorized parties.     Acceptable uses of the technology.     List of products approved by the company for employee use, including hardware and software.	<ul> <li>Examine acceptable use policies.</li> <li>Interview responsible personnel.</li> </ul>						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
	Examples of end-user technologies for which accepta but are not limited to, remote access and wireless tecl phones, and removable electronic media, e-mail usag	nnologies, laptops, tablets, mobile						
<b>12.3</b> Risks	s to the cardholder data environment are formally identifie	d, evaluated, and managed.						
12.3.1	<ul> <li>For each PCI DSS requirement that specifies completion of a targeted risk analysis, the analysis is documented and includes:</li> <li>Identification of the assets being protected.</li> <li>Identification of the threat(s) that the requirement is protecting against.</li> <li>Identification of factors that contribute to the likelihood and/or impact of a threat being realized.</li> <li>Resulting analysis that determines, and includes justification for, how the frequency or processes defined by the entity to meet the requirement minimize the likelihood and/or impact of the threat being realized.</li> <li>Review of each targeted risk analysis at least once every 12 months to determine whether the results are still valid or if an updated risk analysis is needed</li> <li>Performance of updated risk analyses when needed, as determined by the annual review.</li> </ul>	Examine documented policies and procedures.						



	PCI DSS Requirement	Expected Testing	(	Check one res	Response *	ch requiremer	nt <b>)</b>
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						
12.3.2	This requirement is specific to the customized approach and does not apply to entities completing a self-assessment questionnaire.						
12.3.3	Cryptographic cipher suites and protocols in use are documented and reviewed at least once every 12 months, including at least the following:	Examine documentation.     Interview personnel.					
	<ul> <li>An up-to-date inventory of all cryptographic cipher suites and protocols in use, including purpose and where used.</li> </ul>						
	Active monitoring of industry trends regarding continued viability of all cryptographic cipher suites and protocols in use.						
	Documentation of a plan to respond to anticipated changes in cryptographic vulnerabilities.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The requirement applies to all cryptographic cipher su DSS requirements, including, but not limited to, those storage and transmission, to protect passwords, and a	used to render PAN unreadable in					
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
	r di 200 rioquilonioni	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
12.3.4	<ul> <li>Hardware and software technologies in use are reviewed at least once every 12 months, including at least the following:</li> <li>Analysis that the technologies continue to receive security fixes from vendors promptly.</li> <li>Analysis that the technologies continue to support (and do not preclude) the entity's PCI DSS compliance.</li> <li>Documentation of any industry announcements or trends related to a technology, such as when a vendor has announced "end of life" plans for a technology.</li> <li>Documentation of a plan, approved by senior management, to remediate outdated technologies, including those for which vendors have announced "end of life" plans.</li> </ul>	Examine documentation.     Interview personnel.						
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)	
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme							



	PCI DSS Requirement	Expected Testing	Response *  (Check one response for each requirement)					
	r di 200 Roquilonioni	Exposion rooming	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
12.4 PCI D	OSS compliance is managed.							
12.4.1	Additional requirement for service providers only:  Responsibility is established by executive management for the protection of cardholder data and a PCI DSS compliance program to include:  Overall accountability for maintaining PCI DSS compliance.  Defining a charter for a PCI DSS compliance program and communication to executive management.	Examine documentation.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)	
	This requirement applies only when the entity being a	ssessed is a service provider.						
	Executive management may include C-level positions specific titles will depend on the particular organization							
	Responsibility for the PCI DSS compliance program n and/or to business units within the organization.	nay be assigned to individual roles						



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
12.4.2	Additional requirement for service providers only:  Reviews are performed at least once every three months to confirm that personnel are performing their tasks in accordance with all security policies and operational procedures. Reviews are performed by personnel other than those responsible for performing the given task and include, but are not limited to, the following tasks.  Daily log reviews.  Configuration reviews for network security controls.  Applying configuration standards to new systems.  Responding to security alerts.	<ul> <li>Examine documented policies and procedures.</li> <li>Interview responsible personnel.</li> <li>Examine records of reviews.</li> </ul>						
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)	
	This requirement applies only when the entity being as	ssessed is a service provider.						



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
	r of boo Requirement	Expected results	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
12.4.2.1	Additional requirement for service providers only:	Examine documentation from the reviews.						
	Reviews conducted in accordance with Requirement 12.4.2 are documented to include:							
	Results of the reviews.							
	Documented remediation actions taken for any tasks that were found to not be performed at Requirement 12.4.2.							
	Review and sign-off of results by personnel assigned responsibility for the PCI DSS compliance program.							
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	es" (page v)	
	This requirement applies only when the entity being as	ssessed is a service provider.						
12.5 PCI DS	SS scope is documented and validated.							
12.5.1	An inventory of system components that are in scope for PCI DSS, including a description of	Examine the inventory.  Interview percepted.	$\boxtimes$					
	function/use, is maintained and kept current.	Interview personnel.	Describe results as instructed in "Requirement Responses" (page v)					
12.5.2	PCI DSS scope is documented and confirmed by the entity at least once every 12 months and upon significant change to the in-scope environment.	<ul><li>Examine documented results of scope reviews.</li><li>Interview personnel.</li></ul>						
	At a minimum, the scoping validation includes:							
	Identifying all data flows for the various payment stages (for example, authorization, capture settlement, chargebacks, and refunds) and acceptance channels (for example, card-present, card-not-present, and e-commerce).	Examine documented results of scope reviews.						
	Updating all data-flow diagrams per requirement 1.2.4. (continued)							



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)					
		<u> </u>	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
<b>12.5.2</b> (cont.)	Identifying all locations where account data is stored, processed, and transmitted, including but not limited to: 1) any locations outside of the currently defined CDE, 2) applications that process CHD, 3) transmissions between systems and networks, and 4) file backups.							
	Identifying all system components in the CDE, connected to the CDE, or that could impact security of the CDE.							
	Identifying all segmentation controls in use and the environment(s) from which the CDE is segmented, including justification for environments being out of scope.							
	Identifying all connections from third-party entities with access to the CDE.		$\boxtimes$					
	Confirming that all identified data flows, account data, system components, segmentation controls, and connections from third parties with access to the CDE are included in scope.							
	Applicability Notes		Describe res	ults as instruct	ed in "Require	ment Respons	ses" (page v)	
	This annual confirmation of PCI DSS scope is an active entity under assessment, and is not the same, nor is it scoping confirmation performed by the entity's assessment.	intended to be replaced by, the						



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
12.5.2.1	Additional requirement for service providers only:  PCI DSS scope is documented and confirmed by the entity at least once every six months and upon significant change to the in-scope environment.  At a minimum, the scoping validation includes all the elements specified in Requirement 12.5.2.	<ul> <li>Examine documented results of scope reviews.</li> <li>Interview personnel.</li> </ul>					
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page				
	This requirement applies only when the entity being as This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme	5, after which it will be required and	d				
12.5.3	Additional requirement for service providers only:  Significant changes to organizational structure result in a documented (internal) review of the impact to PCI DSS scope and applicability of controls, with results communicated to executive management.	<ul> <li>Examine policies and procedures.</li> <li>Interview responsible personnel.</li> <li>Examine documentation (for example, meeting minutes).</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement applies only when the entity being as This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme	5, after which it will be required and					
12.6 Securit	ty awareness education is an ongoing activity.						
12.6.1	A formal security awareness program is implemented to make all personnel aware of the entity's information security policy and procedures, and their role in protecting the cardholder data.	Examine the security awareness program.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)	
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
12.6.2	<ul> <li>The security awareness program is:</li> <li>Reviewed at least once every 12 months, and</li> <li>Updated as needed to address any new threats and vulnerabilities that may impact the security of the entity's cardholder data and/or sensitive authentication data, or the information provided to personnel about their role in protecting cardholder data.</li> </ul>	<ul> <li>Examine security awareness program content.</li> <li>Examine evidence of reviews.</li> <li>Interview personnel.</li> </ul>						
	Applicability Notes		Describe results as instructed in "Requirement Respo					
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme		which it will be required and					
12.6.3	Personnel receive security awareness training as follows:	Examine security awareness program records.						
	<ul> <li>Upon hire and at least once every 12 months.</li> <li>Multiple methods of communication are used.</li> <li>Personnel acknowledge at least once every 12 months that they have read and understood the information security policy and procedures.</li> </ul>	<ul> <li>Interview applicable personnel.</li> <li>Examine the security awareness program materials.</li> <li>Examine personnel acknowledgements.</li> </ul>	Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)	
12.6.3.1	Security awareness training includes awareness of threats and vulnerabilities that could impact the security of cardholder data and/or sensitive authentication data, including but not limited to:	Examine security awareness training content.						
	<ul><li>Phishing and related attacks.</li><li>Social engineering.</li></ul>							
	Applicability Notes		Describe res	cults as instruc	ted in "Require	ment Respons	ses" (page v)	
	See Requirement 5.4.1 in PCI DSS for guidance on the automated controls to detect and protect users from p for providing users security awareness training about These are two separate and distinct requirements, and controls required by the other one.	hishing attacks, and this requirement phishing and social engineering.						
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme	•						



	PCI DSS Requirement	Expected Testing		Check one res	Response *		nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
12.6.3.2	Security awareness training includes awareness about the acceptable use of end-user technologies in accordance with Requirement 12.2.1.	Examine security awareness training content.					
	Applicability Notes			sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						
<b>12.7</b> Person	nnel are screened to reduce risks from insider threats.						
12.7.1	Potential personnel who will have access to the CDE are screened, within the constraints of local laws, prior to hire to minimize the risk of attacks from internal sources.	Interview responsible Human Resource department management personnel.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	For those potential personnel to be hired for positions have access to one card number at a time when facilit is a recommendation only.						
<b>12.8</b> Risk to	information assets associated with third-party service p	provider (TPSP) relationships is manage	ed.				
12.8.1	A list of all third-party service providers (TPSPs) with which account data is shared or that could affect the security of account data is maintained, including a description for each of the services provided.	<ul><li>Examine policies and procedures.</li><li>Examine list of TPSPs.</li></ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The use of a PCI DSS compliant TPSP does not make does it remove the entity's responsibility for its own PC	•					



	PCI DSS Requirement	Expected Testing	(1	Check one res	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
12.8.2	<ul> <li>Written agreements with TPSPs are maintained as follows:</li> <li>Written agreements are maintained with all TPSPs with which account data is shared or that could affect the security of the CDE.</li> <li>Written agreements include acknowledgments from TPSPs that TPSPs are responsible for the security of account data the TPSPs possess or otherwise store, process, or transmit on behalf of the entity, or to the extent that the TPSP could impact the security of the entity's cardholder data and/or sensitive authentication data.</li> </ul>	<ul> <li>Examine policies and procedures.</li> <li>Examine written agreements with TPSPs.</li> </ul>					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	The exact wording of an agreement will depend on the and the responsibilities assigned to each party. The agreement wording provided in this requirement.						
	The TPSP's written acknowledgment is a confirmation for the security of the account data it may store, proce customer or to the extent the TPSP may impact the se and/or sensitive authentication data.	ss, or transmit on behalf of the					
	Evidence that a TPSP is meeting PCI DSS requirement acknowledgment specified in this requirement. For exact Compliance (AOC), a declaration on a company's web responsibility matrix, or other evidence not included in acknowledgment.	ample, a PCI DSS Attestation of osite, a policy statement, a					
12.8.3	An established process is implemented for engaging TPSPs, including proper due diligence prior to	Examine policies and procedures.	$\boxtimes$				
	engagement.	<ul><li>Examine evidence.</li><li>Interview responsible personnel.</li></ul>	Describe res	sults as instruct	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)						
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
12.8.4	A program is implemented to monitor TPSPs' PCI DSS compliance status at least once every 12 months.	<ul> <li>Examine policies and procedures.</li> <li>Examine documentation.</li> <li>Interview responsible personnel.</li> </ul>							
	Applicability Notes			sults as instruc	ted in "Require	ment Respons	ses" (page v)		
	Where an entity has an agreement with a TPSP for me behalf of the entity (for example, via a firewall service) to make sure the applicable PCI DSS requirements are those applicable PCI DSS requirements, then those returns the entity.								
12.8.5	Information is maintained about which PCI DSS requirements are managed by each TPSP, which	Examine policies and procedures.	$\boxtimes$						
	are managed by the entity, and any that are shared between the TPSP and the entity.	Examine documentation.     Interview responsible personnel.	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)		



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)						
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
<b>12.9</b> Third- <sub> </sub>	party service providers (TPSPs) support their customers								
12.9.1	Additional requirement for service providers only:  TPSPs provide written agreements to customers that include acknowledgments that TPSPs are responsible for the security of account data the TPSP possesses or otherwise stores, processes, or transmits on behalf of the customer, or to the extent that the TPSP could impact the security of the customer's cardholder data and/or sensitive authentication data.	Examine TPSP policies and procedures.     Examine templates used for written agreements.							
	Applicability Notes	Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)			
	This requirement applies only when the entity being as	ssessed is a service provider.							
	The exact wording of an agreement will depend on the details of the service being provided, and the responsibilities assigned to each party. The agreement does not have to include the exact wording provided in this requirement.								
	The TPSP's written acknowledgment is a confirmation that states the TPSP is responsible for the security of the account data it may store, process, or transmit on behalf of the customer or to the extent the TPSP may impact the security of a customer's cardholder data and/or sensitive authentication data.								
	Evidence that a TPSP is meeting PCI DSS requirement agreement specified in this requirement. For example, (AOC), a declaration on a company's website, a policy other evidence not included in a written agreement is	a PCI DSS Attestation of Compliance statement, a responsibility matrix, or							



	PCI DSS Requirement	Expected Testing	Response * (Check one response for each requirement)						
		pg	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place		
12.9.2	<ul> <li>Additional requirement for service providers only:</li> <li>TPSPs support their customers' requests for information to meet Requirements 12.8.4 and 12.8.5 by providing the following upon customer request:</li> <li>PCI DSS compliance status information (Requirement 12.8.4).</li> <li>Information about which PCI DSS requirements are the responsibility of the TPSP and which are the responsibility of the customer, including any shared responsibilities (Requirement 12.8.5), for any service the TPSP provides that meets a PCI DSS requirement(s) on behalf of customers or that can impact security of customers' cardholder data and/or sensitive authentication data.</li> </ul>	Examine policies and procedures.							
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)		
	This requirement applies only when the entity being as	ssessed is a service provider.							



	PCI DSS Requirement	Expected Testing	((	Check one re	Response *	ch requiremer	nt)
	r oi boo Requirement	Expected resuling	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>12.10</b> Susp	pected and confirmed security incidents that could impact	t the CDE are responded to immediately	<b>'</b> .				
12.10.1	An incident response plan exists and is ready to be activated in the event of a suspected or confirmed security incident. The plan includes, but is not	<ul><li>Examine the incident response plan.</li><li>Interview personnel.</li></ul>	Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
	<ul> <li>limited to:</li> <li>Roles, responsibilities, and communication and contact strategies in the event of a suspected or confirmed security incident, including notification of payment brands and acquirers, at a minimum.</li> <li>Incident response procedures with specific containment and mitigation activities for different types of incidents.</li> <li>Business recovery and continuity procedures.</li> <li>Data backup processes.</li> <li>Analysis of legal requirements for reporting compromises.</li> <li>Coverage and responses of all critical system components.</li> <li>Reference or inclusion of incident response procedures from the payment brands.</li> </ul>	Examine documentation from previously reported incidents.					
12.10.2	At least once every 12 months, the security incident response plan is:	Interview personnel.     Examine documentation.					
	<ul> <li>Reviewed and the content is updated as needed.</li> <li>Tested, including all elements listed in Requirement 12.10.1.</li> </ul>	Examine documentation.	Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
12.10.3	Specific personnel are designated to be available on a 24/7 basis to respond to suspected or confirmed	Interview responsible personnel.      Typemine decumentation.	$\boxtimes$				
	security incidents.	Examine documentation.	Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement	Expected Testing		Check one re	Response *		nt)
	r or boo requirement	Expected resting	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
12.10.4	Personnel responsible for responding to suspected and confirmed security incidents are appropriately	Interview incident response personnel.					
	and periodically trained on their incident response responsibilities.	Examine training documentation.	Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
12.10.4.1	The frequency of periodic training for incident response personnel is defined in the entity's targeted risk analysis, which is performed according to all elements specified in Requirement 12.3.1.  Applicability Notes	Examine the targeted risk analysis.					
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						
12.10.5	The security incident response plan includes monitoring and responding to alerts from security monitoring systems, including but not limited to:	Examine documentation.     Observe incident response processes.					
	Intrusion-detection and intrusion-prevention systems.						
	Network security controls.						
	<ul><li>Change-detection mechanisms for critical files.</li><li>The change-and tamper-detection mechanism</li></ul>						
	for payment pages. This bullet is a best practice until its effective date; refer to Applicability Notes below for details.						
	Detection of <i>unauthorized</i> wireless access points.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ement Respons	ses" (page v)
	The bullet above (for monitoring and responding to alerts from a change- and tamper- detection mechanism for payment pages) is a best practice until 31 March 2025, after which it will be required as part of Requirement 12.10.5 and must be fully considered during a PCI DSS assessment.						



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response •	ch requiremen	nt)
		p	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
12.10.6	The security incident response plan is modified and evolved according to lessons learned and to	Examine policies and procedures.					
	incorporate industry developments.	Examine the security incident response plan.	Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
		Interview responsible personnel.					
12.10.7	Incident response procedures are in place, to be initiated upon the detection of stored PAN anywhere it is not expected, and include:	<ul> <li>Examine documented incident response procedures.</li> <li>Interview personnel.</li> </ul>					
	Determining what to do if PAN is discovered outside the CDE, including its retrieval, secure deletion, and/or migration into the currently defined CDE, as applicable.	Examine records of response actions.					
	Identifying whether sensitive authentication data is stored with PAN.						
	Determining where the account data came from and how it ended up where it was not expected.						
	Remediating data leaks or process gaps that resulted in the account data being where it was not expected.						
	Applicability Notes		Describe res	ults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 202 must be fully considered during a PCI DSS assessme						



## **Appendix A: Additional PCI DSS Requirements**

## Appendix A1: Additional PCI DSS Requirements for Multi-Tenant Service Providers

	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *	ch requiremer	nt)
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
A1.1 Multi	tenant service providers protect and separate all custome	r environments and data.					
A1.1.1	Logical separation is implemented as follows:  The provider cannot access its customers' environments without authorization.  Customers cannot access the provider's environment without authorization.	<ul> <li>Examine documentation.</li> <li>Examine system and network configurations.</li> <li>Interview responsible personnel.</li> </ul>					
	Applicability Notes		Describe res	ults as instruct	ed in "Requirei	ment Respons	ses" (page v)
	This requirement is a best practice until 31 March 2025, must be fully considered during a PCI DSS assessment.	•					
A1.1.2	Controls are implemented such that each customer only has permission to access its own cardholder data	Examine documentation.      Examine exerting configurations	$\boxtimes$				
	and CDE.	Examine system configurations.	Describe res	ults as instruct	ed in "Requirei	ment Respons	ses" (page v)
						I	
A1.1.3	Controls are implemented such that each customer can only access resources allocated to them.	Examine customer privileges.					
	and the second s		Describe res	ults as instruct	ed in "Requirer	ment Respons	ses" (page v)

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



	PCI DSS Requirement	Expected Testing	(0	Check one res	Response *	ch requiremer	n <b>t)</b>
		,	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
A1.1.4	The effectiveness of logical separation controls used to separate customer environments is confirmed at least once every six months via penetration testing.	Examine the results from the most recent penetration test.					
	Applicability Notes			ults as instruct	ed in "Require	ment Respons	ses" (page v)
	The testing of adequate separation between customers environment is in addition to the penetration tests specifi						
	This requirement is a best practice until 31 March 2025, must be fully considered during a PCI DSS assessment.						
<b>A1.2</b> Mul	ti-tenant service providers facilitate logging and incident res	ponse for all customers.					
A1.2.1	Audit log capability is enabled for each customer's environment that is consistent with PCLDSS	Examine documentation.					
	Requirement 10, including:	Examine system configuration settings.	Describe res	ults as instruct	ed in "Require	ment Respons	ses" (page v)
	<ul> <li>Logs are enabled for common third-party applications.</li> </ul>						
	Logs are active by default.						
	<ul> <li>Logs are available for review only by the owning customer.</li> </ul>						
	Log locations are clearly communicated to the owning customer.						
	Log data and availability is consistent with PCI     DSS Requirement 10.						
A1.2.2	Processes or mechanisms are implemented to support and/or facilitate prompt forensic investigations in the	Examine documented procedures.	$\boxtimes$				
	event of a suspected or confirmed security incident for any customer.	procedures.	Describe res	ults as instruct	ed in "Require	ment Respons	ses" (page v)



	PCI DSS Requirement		Expected Testing	Response * (Check one response for each requirement)					
		<u> </u>		In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place	
A1.2.3	<ul> <li>Processes or mechanisms are implemented for reporting and addressing suspected or confirmed security incidents and vulnerabilities, including:</li> <li>Customers can securely report security incidents and vulnerabilities to the provider.</li> <li>The provider addresses and remediates suspected or confirmed security incidents and vulnerabilities according to Requirement 6.3.1.</li> </ul>	•	Examine documented procedures. Interview personnel.						
	Applicability Notes			Describe resu	ults as instructe	ed in "Requirei	ment Respons	es" (page v)	
	This requirement is a best practice until 31 March 2025, must be fully considered during a PCI DSS assessment.		er which it will be required and						



# Appendix A2: Additional PCI DSS Requirements for Entities using SSL/Early TLS for Card-Present POS POI Terminal Connections

PCI DSS Requirement		Expected Testing	(	Response •  Check one response for each requirement)			
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
<b>A2.1</b> POI	terminals using SSL and/or early TLS are not susceptible	to known SSL/TLS exploits.					
A2.1.1	Where POS POI terminals at the merchant or payment acceptance location use SSL and/or early TLS, the entity confirms the devices are not susceptible to any known exploits for those protocols.	Examine documentation (for example, vendor documentation, system/network configuration details) that verifies the devices are not susceptible to any known exploits for SSL/early TLS.					
	Applicability Notes			Describe results as instructed in "Requirement Responses" (page v)			
	This requirement is intended to apply to the entity with the POS POI terminal, such as a merchant. This requirement is not intended for service providers who serve as the termination or connection point to those POS POI terminals. Requirements A2.1.2 and A2.1.3 apply to POS POI service providers.		POS devices are not usedby the service				
	The allowance for POS POI terminals that are not currently susceptible to exploits is based on currently known risks. If new exploits are introduced to which POS POI terminals are susceptible, the POS POI terminals will need to be updated immediately.						

<sup>•</sup> Refer to the "Requirement Responses" section (page v) for information about these response options.



PCI DSS Requirement		Expected Testing	(0	Response • Check one response for each requirement)			
			In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
A2.1.2	Additional requirement for service providers only:  All service providers with existing connection points to POS POI terminals that use SSL and/or early TLS as defined in A2.1 have a formal Risk Mitigation and Migration Plan in place that includes:	Review the documented Risk Mitigation and Migration Plan.					
	Description of usage, including what data is being transmitted, types and number of systems that use and/or support SSL/early TLS, and type of environment.						
	Risk-assessment results and risk-reduction controls in place.						
	Description of processes to monitor for new vulnerabilities associated with SSL/early TLS.						
	Description of change control processes that are implemented to ensure SSL/early TLS is not implemented into new environments.						
	Overview of migration project plan to replace SSL/early TLS at a future date.						
	Applicability Notes		Describe res	sults as instruc	ted in "Require	ment Respons	ses" (page v)
	This requirement applies only when the entity being ass	sessed is a service provider.					
A2.1.3	Additional requirement for service providers only: All service providers provide a secure service offering.	<ul><li>Examine system configurations.</li><li>Examine supporting documentation.</li></ul>					
	Applicability Notes		Describe results as instructed in "Requirement Responses" (page v)				
This requirement applies only when the entity being asse		sessed is a service provider.					



#### Appendix A3: Designated Entities Supplemental Validation (DESV)

This Appendix applies only to entities designated by a payment brand(s) or acquirer as requiring additional validation of existing PCI DSS requirements. Entities required to validate to this Appendix should use the DESV Supplemental Reporting Template and Supplemental Attestation of Compliance for reporting and consult with the applicable payment brand and/or acquirer for submission procedures.



#### **Appendix B: Compensating Controls Worksheet**

This Appendix must be completed to define compensating controls for any requirement where In Place with CCW was selected.

**Note:** Only entities that have a legitimate and documented technological or business constraint can consider the use of compensating controls to achieve compliance.

Refer to Appendices B and C in PCI DSS for information about compensating controls and guidance on how to complete this worksheet.

#### **Requirement Number and Definition:**

		Information Required	Explanation
1.	Constraints	Document the legitimate technical or business constraints precluding compliance with the original requirement.	
2.	Definition of Compensating Controls	Define the compensating controls: explain how they address the objectives of the original control and the increased risk, if any.	
3.	Objective	Define the objective of the original control.	
		Identify the objective met by the compensating control.	
		<b>Note:</b> This can be, but is not required to be, the stated Customized Approach Objective listed for this requirement in PCI DSS.	
4.	Identified Risk	Identify any additional risk posed by the lack of the original control.	
5.	Validation of Compensating Controls	Define how the compensating controls were validated and tested.	
6.	Maintenance	Define process(es) and controls in place to maintain compensating controls.	



## Appendix C: Explanation of Requirements Noted as Not Applicable

This Appendix must be completed for each requirement where Not Applicable was selected.

Requirement	Reason Requirement is Not Applicable	
Example:		
Requirement 3.5.1	Account data is never stored electronically	
1.3.1,.2, .3	The service does not include a CDE	
1.4.4	Card oolder data is not stored by the service	
2.3.1, .2	No wireless networks are permitted in the production segment	
3.1.1, .2	Account data is not stored electronically	
3.3.2, .3	No issuing activity is perfromed by the service	
3.3.3	No authentication data is stored by the service	
3.4.1,.2 3.5.1, .1, .2, .3	PAN Account data is not stored electronically	
4.2.1.2	PAN Account data is not stored electronically	
6.4.3	No payment activity is perfromed by the service	
6.5.5	PAN Account data is not stored electronically	
9.4.3, .4, .5, .51, 9.4.6, .7	No hardcopy of removable electronic media are used by the service	
section 9.5	no POI devices are supported by the service	
11.6.1	the service does not modify scripts for payment pages	
A2.1.1, .2	no POI devices are supported by the service	



## Appendix D: Explanation of Requirements Noted as Not Tested

This Appendix must be completed for each requirement where Not Tested was selected.

Requirement	Description of Requirement(s) Not Tested	Describe why the Requirement was Excluded from the Assessment
Examples:		
Requirement 10	No requirements from Requirement 10 were tested.	This assessment only covers requirements in Milestone 1 of the Prioritized Approach.
Requirements 1-8, 10-12	Only Requirement 9 was reviewed for this assessment. All other requirements were excluded.	Company is a physical hosting provider (CO-LO), and only physical security controls were considered for this assessment.



# **Section 3: Validation and Attestation Details**

#### Part 3. PCI DSS Validation

This AOC is based on results noted in SAQ D (Section 2), dated (Self-assessment completion date

	10-05).	SAQ D (Section 2), dated (Sen-assessment completion date				
Indicat	e below whether a full or partial PC	CI DSS assessment was completed:				
	Full – All requirements have be the SAQ.	en assessed therefore no requirements were marked as Not Tested in				
		nents have not been assessed and were therefore marked as Not ment not assessed is noted as Not Tested in Part 2g above.				
		SAQ D noted above, each signatory identified in any of Parts 3b–3d, apliance status for the entity identified in Part 2 of this document.				
Select	one:					
	<b>Compliant:</b> All sections of the PCI DSS SAQ are complete, and all assessed requirements are marked as being either 1) In Place 2) In Place with CCW, or 3) Not Applicable, resulting in an overall <b>COMPLIANT</b> rating; thereby (Service Provider Company Name) has demonstrated compliance with all PCI DSS requirements included in this SAQ except those noted as Not Tested above.					
	<b>Non-Compliant:</b> Not all sections of the PCI DSS SAQ are complete, or one or more requirements are marked as Not in Place, resulting in an overall <b>NON-COMPLIANT</b> rating, thereby (Service Provider Company Name) has not demonstrated compliance with the PCI DSS requirements included in this SAQ.					
	Target Date for Compliance: YY	YY-MM-DD				
	· · · · · · · · · · · · · · · · · · ·	a Non-Compliant status may be required to complete the Action Plan in with the entity to which this AOC will be submitted <i>before completing Part</i>				
	Compliant but with Legal exception: One or more assessed requirements in the PCI DSS SAQ are marked as Not in Place due to a legal restriction that prevents the requirement from being met and all other assessed requirements are marked as being either 1) In Place, 2) In Place with CCW, or 3) Not Applicable, resulting in an overall COMPLIANT BUT WITH LEGAL EXCEPTION rating; thereby (Service Provider Company Name) has demonstrated compliance with all PCI DSS requirements included in this SAQ except those noted as Not Tested above or as Not in Place due to a legal restriction.  This option requires additional review from the entity to which this AOC will be submitted. If selected,					
	complete the following:					
	Affected Requirement	Details of how legal constraint prevents requirement from being met				
- 1	1					



Part 3. PCI DSS Validation (continued)					
Part 3a. Service Provider Acknowledgement					
_	atory(s) confirms: ct all that apply)				
$\boxtimes$	PCI DSS Self-Assessment Questionr therein.	naire D, Version 4.0.1,	was completed according to the instructions		
	All information within the above-reference the entity's assessment in all materia		attestation fairly represents the results of		
$\boxtimes$	PCI DSS controls will be maintained	at all times, as applica	able to the entity's environment.		
Part	3b. Service Provider Attestation				
	DocuSigned by:				
Signa	ature of Service Provider Executive Off	ficer ↑	Date: 2025-10-05		
Servi	ce Provider Executive Officer Name:	Gabi Malka	Title: COO		
Part	3c. Qualified Security Assessor (C	QSA) Acknowledger	nent		
	SA was involved or assisted with ussessment, indicate the role	QSA performed t	esting procedures.		
performed:		QSA provided other assistance.  If selected, describe all role(s) performed:			
Sigr	ature of Lead QSA ↑		Date: YYYY-MM-DD		
Lead QSA Name:					
Signature of Duly Authorized Officer of QSA Company ↑ Date: YYYY-MM-DD					
Duly Authorized Officer Name:		QSA Company:			
Part 3d. PCI SSC Internal Security Assessor (ISA) Involvement					
	ISA(s) was involved or assisted with assessment, indicate the role	☐ ISA(s) performed testing procedures.			
perfo		ISA(s) provided other assistance.			
		ir selected, describe	escribe all role(s) performed:		



#### Part 4. Action Plan for Non-Compliant Requirements

Only complete Part 4 upon request of the entity to which this AOC will be submitted, and only if the Assessment has a Non-Compliant status noted in Section 3.

If asked to complete this section, select the appropriate response for "Compliant to PCI DSS Requirements" for each requirement below. For any "No" responses, include the date the entity expects to be compliant with the requirement and a brief description of the actions being taken to meet the requirement.

PCI DSS Requirement	Description of Requirement	Compliant to PCI DSS Requirements (Select One)		Remediation Date and Actions (If "NO" selected for any	
Requirement		YES	NO	Requirement)	
1	Install and maintain network security controls	$\boxtimes$			
2	Apply secure configurations to all system components				
3	Protect stored account data				
4	Protect cardholder data with strong cryptography during transmission over open, public networks				
5	Protect all systems and networks from malicious software				
6	Develop and maintain secure systems and software				
7	Restrict access to system components and cardholder data by business need to know				
8	Identify users and authenticate access to system components				
9	Restrict physical access to cardholder data				
10	Log and monitor all access to system components and cardholder data				
11	Test security systems and networks regularly				
12	Support information security with organizational policies and programs				
Appendix A1	Additional PCI DSS Requirements for Multi-Tenant Service Providers				
Appendix A2	Additional PCI DSS Requirements for Entities using SSL/Early TLS for Card-Present POS POI Terminal Connections	×			

**Note:** The PCI Security Standards Council is a global standards body that provides resources for payment security professionals developed collaboratively with our stakeholder community. Our materials are accepted in numerous compliance programs worldwide. Please check with your individual compliance-accepting organization to ensure that this form is acceptable in its program. For more information about PCI SSC and our stakeholder community please visit: <a href="https://www.pcisecuritystandards.org/about\_us/">https://www.pcisecuritystandards.org/about\_us/</a>.