

Evaluation Form 14

Virtual payment terminal accessed via merchant Internet browser

Payments sent via Internet

DATA SECURITY ESSENTIALS FOR SMALL MERCHANTSA PRODUCT OF THE PAYMENT CARD INDUSTRY SMALL MERCHANT TASK FORCE



To help small merchants address security requirements relevant to the manner in which they handle payments, PCI Security Standards Council has developed Data Security Essentials for Small Merchants, consisting of educational resources as well as an evaluation tool, to help merchants simplify and evaluate their security, and reduce risk.

Before You Begin

As a first step, ensure that you have already:

- 1. Talked to your acquirer (merchant bank) to confirm that you are eligible to use a Data Security Essentials Evaluation.
- 2. Reviewed the Data Security Essentials for Small Merchants section of the PCI SSC website including the:
 - a. Guide to Safe Payments to understand security basics, and
 - b. Common Payment Systems to find the payment diagram that most closely resembles how you process payments, and to understand the threats and risks associated with that payment system.
- 3. Followed your acquirer's instructions for obtaining and completing the Evaluation Form

If you have not already accomplished the above, it is recommended you do that before proceeding further.

For your own information, you may optionally use PCI SSC's Data Security Essentials Evaluation Tool to select the payment system that most closely resembles how you process payments, and to download and complete this form. This tool will let you gain insight about relevant security practices, provide your answers, and see your preliminary results. However, you cannot submit this form from PCI SSC's website nor does PCI SSC submit it on your behalf—you must contact your merchant bank and follow their completion and submission instructions.



About this Evaluation

This Data Security Essentials Evaluation 14 has been developed to evaluate security practices applicable to small merchants with virtual payment terminals accessed via a merchant Internet browser. Payments are sent via the Internet.

Below, merchants using this approach will confirm that for this payment channel:

- 1. You enter payments via a virtual terminal, which is a web page you access with a computer or tablet.
- 2. You manually enter card data one transaction at a time, into a web page provided by your payment processor's virtual payment service.
- 3. There are no card readers or payment terminals connected to your device or network.
- 4. You do not have any electronic card data stored by your payment systems. If you have card data, it is only on paper (receipts, etc.).



Understanding the Evaluation

The Security Guidance and Security Practices contained in this evaluation are based on information found in the Guide to Safe Payments, part of the educational resources in the Data Security Essentials for Small Merchants. The Data Security Essentials for Small Merchants include:

Document	Purpose or Content
Guide to Safe Payments	 Addresses twelve security basics attributable to most small merchant data compromises Easy-to-understand language, minimal use of acronyms Ranking of security basics based on ease to implement, cost, risk reduction potential
Common Payment Systems	 Diagrams of payment systems most commonly used by small merchants Overview, threats, risks, and security basics for each payment system
Questions to Ask Your Vendors	 Helps merchants talk to their vendors and understand their responses Links to PCI SSC and payment brand lists and resources
Glossary of Payment and Information Security Terms	Easy-to-understand definitions of common payment and security terms
Evaluation Tool	 This tool is provided for merchant information only. An option for merchants is to use it as a first step to gain insight about security practices relevant to the way they accept payments, to provide their initial responses, and to see their results. Merchants must contact their merchant bank and follow the bank's instructions to formally complete a Data Security Essentials Evaluation as part of the bank's compliance program. Merchants cannot use the PCI SSC Evaluation Tool to submit this form to PCI SSC or to their merchant bank, nor does PCI SSC send it to merchant banks on behalf of merchants. See Evaluation Tool: Acquirer Overview and Evaluation Tool: Merchant Overview for guidance on this evaluation approach.

These and other resources can be found on the PCI SSC website (<u>www.pcisecuritystandards.org</u>). Organizations are encouraged to review the Data Security Essentials for Small Merchants before beginning their assessment.



Completion Steps

- 1. Confirm the payment acceptance method used in your business in Section 1 below.
 - If you have any "no" answers in Section 1, return to Common Payment Systems and search for another appropriate payment diagram that best matches your payment acceptance method.
- 2. Read the security guidance and security practices in Section 3 to understand the security practices required and to determine whether you have those practices in place.
- 3. Contact your merchant bank (acquirer) for completion and submission instructions.
- 4. Complete Sections 1 through 4 and review your results in Section 5.
 - Section 1 Payment Acceptance Method
 - Section 2 Merchant Information
 - Section 3 Data Security Essentials Evaluation Form
 - Section 4 Confirmation of Status
 - Section 5 Data Security Essentials Evaluation Results

Optionally, merchants can elect to use PCI SSC's Data Security Essentials Evaluation Tool. With this tool, merchants can gain insight about security practices relevant to how they accept payments. The merchant:

- a. Selects the payment system that most closely matches how they accept payments
- b. Downloads the relevant Evaluation Form
- c. Provides preliminary responses
- d. Reviews their results
- e. Can print or save the resulting PDF for future use

This tool is provided for merchant information only. Merchants cannot submit the evaluation form from PCI SSC's website, nor does PCI SSC submit it on your behalf—you must contact your merchant bank and follow their completion and submission instructions.

5. Following your merchant bank's (acquirer's) completion and submission instructions, submit the completed Evaluation Form, including the completed and signed Information and Confirmation sections, along with any other requested documentation—such as ASV scan reports—to your acquirer, payment brand, or other requester.



Completing the Evaluation

For each security practice, there is a choice of responses to indicate your status in implementing that practice. Select only one response for each question. The meaning for each response is provided in the table below.

Response	Use this response when:
I do this consistently.	You have formal processes in place to make sure this is practice performed regularly.
I do this sometimes.	You may have performed this practice occasionally on an ad-hoc basis, but you have no defined processes to make sure it always happens.
This is not applicable to my business environment (explain).	The practice does not apply to your business environment. For example, your business practice is to never store paper receipts with card numbers; therefore, you can answer N/A to practice B2 since making card numbers unreadable on paper receipts is not applicable to your business environment. This response requires that you provide a clear explanation of why this practice does not apply to your business in the "Additional Information as Needed" column.
I do not know / I do not understand.	If your response is "I do not know," this means you do not know whether this practice is implemented. For example, it is not your area of responsibility or was performed by a previous employee. If you responded "I do not understand," this means you do not understand the practice as it is stated and/or you do not know how to implement the practice.
I do not do this (explain).	This practice is applicable to your business environment but either you have not yet implemented all parts of the practice or you have no plans to implement the practice. This response requires that you provide additional information about whether you are planning to implement the practice—and if so, when you expect the practice to be implemented—in the "Additional Information as Needed" column.

After you complete this evaluation, review your results and provided tips on the last page and see whether there are any actions you need to perform to keep your business secure, or to make it more secure.



Information

1. Payment Acceptance Method for this Payment Channel

l use	I use a virtual payment terminal accessed via an Internet browser. Payments are sent via the Internet.			
1.	I enter payments via a virtual terminal, which is a web page I access with a computer or tablet.	Yes	No	
2.	I manually enter card data one transaction at a time, into a web page provided by my payment processor's virtual payment service.separate system with software (payment middleware).	Yes	No	
3.	There are no card readers or payment terminals connected to my device or network.	Yes	No	
4.	I do not have any electronic card data stored by my payment systems. If I have card data, it is only on paper (receipts, etc.).	Yes	No	

If you answered "Yes" to all the questions above, continue with Section 2 below. If you answered "No" to any question, return to the *Common Payment Systems* document and search for another appropriate payment diagram for your payment acceptance method.

2. Merchant Information

General Information			
Company name:	Any othe	r company names:	
Contact name:	Title:		
Telephone:	E-mail:		
Business address:	City:		
State/Province:	Country:		Postal code:
URL:			

ype of Merchant E	Business (check all that apply):				
Retailer	Grocery and Supermarkets	Mail order/telephone	order (MOTO)	Restaurants	Travel and Entertainment
Petroleum	E-Commerce	Others (please specify):			
What types of payment channels does your business serve? Mail order/telephone order (MOTO) E-Commerce Card-present (face-to-face)		Mail orde	ent channels are covered by the er/telephone order (MOTO) sent (face-to-face)	nis form?	
My business uses a pacards (meaning it doe	ayment terminal(s) that only accepts mes not, or is not enabled to, accept EM'	agnetic-stripe payment V/chip cards).	Yes	No	



3. Data Security Essentials Evaluation

Some lettered sections are intentionally missing. The security practices below are specifically chosen for your type of payment system, and are part of a larger complete set. In addition, some numbers in each section may also be missing. Read the guidance in each of the lettered sections to understand why each security practice is important. For more information about these practices, see the *Guide to Safe Payments*.

Additional Information as Needed column.		
Security Practice	How have you implemented this practice?	Additional Information as Needed
A. Use strong passwords and change default ones		
Passwords are vital for security of your payment systems and card data. there is any suspicion of misuse. This includes all passwords you and yo to log into or connect to your payment systems, computers, and other "password" or "admin"). Hackers easily guess these out-of-the-box pas See "It's time to change your password" at www.PCISecurityStandard	ur staff (including permanent full-time and part-time wo equipment. In addition, much equipment comes with de swords since they are commonly known and often left u	rkers, contractors, consultants, etc.) use efault passwords "out of the box" (like
 You and your staff change passwords for computer access regularly, at least every 90 days. 	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
 You and your staff make all passwords for computer access in your business unique and hard to guess: 7 or more characters and a combination of upper- and lower-case letters, numbers, and symbols. Consider using a passphrase as your password; you can make it personal and easy for you to remember. 	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
3. Immediately, you change out-of-the-box default passwords from your equipment and/or software suppliers. If you do not know where these passwords are or how to change them, find out from your payment system vendor or supplier, the individual who set up your payment system, or your merchant bank.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

Security Practice	How have you implemented this practice?	Additional Information as Needed
3. Protect your card data and only keep what you need		
The best way to protect against data breaches is not to store card data at a merchant bank. Alternatively, talk to your merchant bank or payment termin payments. Also ask them for guidance if you need to conduct specific transcustomers each month, quarter, etc.)	nal supplier about where your systems store data and he	ow you can simplify the way you process
2. If you need to keep paper with card numbers, or card numbers along	I do this consistently.	
with card security codes, you make the number unreadable, and you secure the paper in a locked drawer or safe with limited access. For	I do this sometimes.	
example, to make the number unreadable, mark through the number	This is N/A to my business environment (explain).	
with a thick, black marker such that you cannot see the number from front or back of page if you hold it to the light, or cut the number out.	I do not do this (explain).	
You periodically destroy or shred paper reports and/or receipts when no longer needed.	I do this consistently.	
no longer needed.	I do this sometimes. This is N/A to my business environment (explain).	
	I do not know / I do not understand.	
	I do not do this (explain).	
a. You only accept payment details in person or via phone, fax, or regular mail. If you accidentally receive card data via e-mail, you	I do this consistently.	
remove it and let the sender know your preferred method to receive	This is N/A to my business environment (explain).	
card details—which is in person or via phone, fax, or regular mail.	I do not know / I do not understand. I do not do this (explain).	



Data Security Essentials Evaluation (continued)

GUIDANCE & SECURITY PRACTICES—For each security practice below, select the answer that most closely reflects how you have implemented this practice for your

Security Practice	How have you implemented this practice?	Additional Information as Needed
D. Install patches from your vendors		
Often software (including software on your payment terminal) has flaws o Hackers exploit these weaknesses and break into your systems. Your paym (updates) to correct these flaws. It is important that you protect your syste Equally important, find out how your software is being regularly updated added or who is responsible, make it a point to ask your vendor/supplier.	ment system vendor or supplier will send out—or will r ems by installing these updates per your vendors' instr with patches and who is responsible (it could be you!)	otify you about—new "patches" ructions as soon as possible.
1. You know how your payment system, e-commerce payment system, or payment terminal software is updated; and you either receive notifications from your payment system vendor or supplier or you get the updates on your own (for example, by going to their website upon receipt of a notification e-mail).	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
2. You install new security patches or security updates from your payment system hardware and/or software suppliers right away, per their instructions (or your patches install automatically when they become available).	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

Security Practice	How have you implemented this practice?	Additional Information as Needed
E. Use trusted business partners and know how to contact them		
You use outside providers for payment-related services, payment devices with, that support or manage your payment systems, or that you give acceproviders. All of these partners impact your ability to protect your card da	ess to card data. You may call them processors, vendo	rs, suppliers, third parties, or service
See Questions to Ask your Vendors at www.PCISecurityStandards.org .		
1. You keep a current list of all your internal and external payment business partners and service providers, including all relevant contact information (for example, names, phone numbers, e-mail addresses, website). These partners can include your merchant bank, payment processor, website and hosting provider, payment terminal supplier, software suppliers, IT help desk, etc.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
You can find your list of payment business partners and service providers when needed, and you or your staff call the appropriate partner whenever anything suspicious is identified.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
3. You evaluate potential and existing business partners, including determining whether they adhere to PCI DSS requirements.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

Security Practice	How have you implemented this practice?	Additional Information as Needed
Protect in-house access to your card data		
"Privilege abuse" is when a person uses someone else's privileges to access	s systems or data that the person is not authorized for, an	nd is the top action leading to breaches.
It is important to restrict access to payment card data to only those staff have a need for the data. A good way to start out is by denying all users individuals with a specific business need for that access. The result is that	access to data on your systems. Then you start with a c	lean slate, and only grant access to
I. You only allow access to card data (and payment systems) to individuals who need the access to perform their jobs. Most staff only need access to a subset of data, not all of it.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
8. You and your staff read PCI SSC's Guide to Safe Payments annually (and new staff read it when they start), you record that all have read it, and you update that record annually. You also share the Guide with your business partners so they know what you expect.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
I. You and your staff use your own user accounts and passwords and do not share with one another.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

GUIDANCE & SECURITY PRACTICES—For each security practice below, select the answer that most closely reflects how you have implemented this practice for your business. If you choose a response that indicates further explanation is needed, or you would like to add more information for any other response, please explain in the Additional Information as Needed column.

Security Practice How have you implemented this practice? Additional Information as Needed

G. Do not give hackers access to your systems (limit remote access)

One of the easiest and most common ways for hackers to get into your system is through software used by vendors you trust, via weaknesses in how vendors access your systems remotely. If your vendor supports or troubleshoots your payment system from their office (and not from your location), they are using the Internet and remote-access software to do this. You need to know how or whether your vendors are accessing your system remotely to make sure it is not making your system vulnerable to attack by hackers.

Many remote-access products are "always on" or "always available," meaning the vendor can access your systems remotely all the time—this means that hackers can access your systems, too, since many vendors use commonly known passwords for remote access. To protect your business, it is important that you take part in managing how and when your vendors can access your systems.

Ask your vendor if they use multi-factor authentication to support your business. This authentication protects remote access into your business by requiring a username and password plus another factor (like a smart card).

You know which of your suppliers or service providers are able to access your systems remotely.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
2. You have confirmed with your vendors that they do not use "always on" or "always available" remote access to access your business. You or your staff work with the vendor to initiate their remote access into your systems prior to such access, every time. If you do not know how, ask them for help.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
You confirm with your vendors/suppliers that they use multi-factor authentication and industry-recognized secure encryption for ALL remote access into your business.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

Security Practice	How have you implemented this practice?	Additional Information as Needed
. Do not give hackers access to your systems (continued)		
H. You confirm with your vendors/suppliers and service providers that they only access your business with unique credentials (not the same ones they use for other customers).	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
 Use anti-virus software Hackers write viruses and other malicious code to exploit software feature. Using up-to-date anti-virus software (also called anti-malware) helps to pr software from suppliers you trust. 		
. You use anti-virus software on your payment systems, computers, servers, PCs, laptops, and mobile devices.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
2. You set your anti-virus software to "automatic update" so you get the most recent protection available.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
5. You schedule your anti-virus software to automatically run regular full system scans, to make sure your systems have not picked up a new malady recently.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain).	



3. Data Security Essentials Evaluation (continued)

business. If you choose a response that indicates further explanation is needed, or you would like to add more information for any other response, please explain in the Additional Information as Needed column.		
Security Practice	How have you implemented this practice?	Additional Information as Needed
I. Scan for vulnerabilities and fix issues		
New vulnerabilities, security holes, and bugs are being discovered daily risks and address them as soon as possible. Your Internet-facing systems criminals, allowing them to sneak into your systems and steal card data.		
See "Approved Scanning Vendors" at www.PCISecurityStandards.org.		
You have a contract for external vulnerability scans with a <u>PCI</u> <u>Approved Scanning Vendor (ASV)</u> , to have external scans performed at least quarterly.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
2. You read the reports from the ASV and fix the medium and high-risk vulnerabilities. Not sure how? Ask your ASV, payment system vendor/supplier or service provider for help.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



3. Data Security Essentials Evaluation (continued)

GUIDANCE & SECURITY PRACTICES—For each security practice below, select the answer that most closely reflects how you have implemented this practice for your business. If you choose a response that indicates further explanation is needed, or you would like to add more information for any other response, please explain in the Additional Information as Needed column.

Security Practice	How have you implemented this practice?	Additional Information as Needed
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K. Protect your business from the Internet

The Internet is the main highway used by criminals to steal your customers' card data. For this reason, if your business is on the Internet, anything you use for card payments needs extra protection. If you decide you need Internet connectivity directly into your payment environment, protect it with a firewall.

A firewall is equipment or software that is between your payment system and the Internet. It acts as a barrier to keep your payment system safe from external traffic and systems that you did not authorize and do not want to allow in. Firewalls are configured (in hardware, software, or both) with specific criteria to block or prevent unauthorized access. Firewalls are often incorporated in the router "box" provided by your internet provider.

A properly configured firewall is essential to basic security and this means configuring it to only allow in what is necessary for your business. If you do not know how to configure a firewall, ask a professional for help.

For firewall guidance, see https://www.pcisecuritystandards.org/merchants/

2. If you enter payments into a virtual terminal (a web page at your processor or service provider that you access with a PC or tablet), you enter those payments manually and don't attach an external card reader to your PC/tablet. (These attached devices may store card data on your PC/tablet, which means you have to protect it—that puts you at more risk.)	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
4. You have a properly configured firewall in place between your business network(s) and the Internet. If you need help configuring it, ask your payment system supplier or technology supplier for help.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	
5. If your payment systems are sometimes not protected by a firewall—for example, when connected to a public Wi-Fi in a public market—you use a personal firewall or equivalent to protect your card data.	I do this consistently. I do this sometimes. This is N/A to my business environment (explain). I do not know / I do not understand. I do not do this (explain).	



Confirmation

4. Confirmation of Status

Part 4a. Questions Regarding Completion		
Did you get help to complete this form? If so, did you use: (check all that apply)		
A payment professional (for example, a Qualified Security Assessor or a Qualified Integrator Reseller) to help you complete this form?		
A technology or service provider?		
Someone else? Please describe.		

Part 4b. Acknowledgment of Status – To be completed after conducting the Data Security Essentials Evaluation in Section 3		
Signatory(s) confirms: (check all that apply)		
	This Confirmation and my responses within Section 3 fairly represent the results of my Data Security Essentials Evaluation.	
	I recognize that I will need to complete the applicable Data Security Essentials Evaluation Form for any other payment channels that I have.	
	I recognize I must re-evaluate my environment and implement any additional security practices that apply if my environment changes.	

Part 4c. Merchant Attestation	
Signature of Merchant Executive Officer:	
Merchant Executive Officer Name:	
Title:	
Date:	



Results

5. Data Security Essentials Evaluation Results

Your evaluation had the following results:

Number of questions answered as: Helpful Tips	
I do this consistently.	Make sure you continue to perform these good practices. Adding them to the "business as usual" processes you perform daily, weekly, or monthly is a good start. Read the PCI DSS section entitled "BAU" or talk to your acquirer if you want more info on BAU. And if you change your payment systems or methods during the year—including how and where you handle card data or payments—do not forget to extend these good practices to cover the new processes and systems, too.
I do this sometimes.	Look at why you do not perform these practices all the time and consider whether there are easy steps you can take to perform these practices consistently. It may help remind you if you add them to your "business as usual" processes that you perform daily, weekly, or monthly. It is important that you implement all practices in this evaluation form to protect your business and keep your customers' card data secure. Please contact your acquirer or portal provider today for help in understanding why it is important to consistently perform this practice and for tips.
This does not apply to my business.	This means that it is truly not applicable to how you do business so please make sure that is the case. For example, you may not want to do something, have not done it, or you do not understand how to do it; nevertheless, it may be applicable. Also note that your decision on whether a practice is applicable to your business should not be based on your perception of the risk of not implementing that practice; "lower risk" does not mean it is "not applicable." It is important that you implement all applicable practices in this evaluation form to protect your business and keep your customers' card data secure. If this practice is truly not applicable to your business now but your business practices change during the year, please come back and look at these areas again to make sure you are still protected. If you need help with implementing these practices, please talk to your portal provider or acquirer.
I do not know / I do not understand.	If you do not know, is this because the person that may have implemented this practice is no longer at the company, or because the practice is addressed by a third party on your behalf? Or does this mean that you do not know because you do not understand the practice? It is important that you implement all practices in this evaluation form to protect your business and keep your customers' card data secure. Contact your acquirer or portal provider today for help.
	If you do not understand how to implement this practice, we encourage you to seek assistance. It is important that you implement all practices in this evaluation form to protect your business and keep your customers' card data secure. Please refer to the small merchant resources available at www.pcissc.org under "Get Started" for help in understanding this practice. Also consider contacting your payment terminal vendor, other vendor, or service provider—they may be able to explain how this practice applies to your business. Or contact your acquirer or portal provider today for help in understanding why this practice is important and how to implement it.
I do not do this.	This item is applicable to, and would help secure, your business. It is important that you implement all practices in this evaluation form to protect your business and keep your customers' card data secure. Please contact your acquirer or portal provider today for help in understanding why this practice is important and how to implement it.

