

END-OF-LIFE LIST FOR NON-COMPLIANT PIN-ENTRY DEVICE (PED) AND VULNERABLE DEVICES

Current Card Association mandates require that all merchant acquirers and acquiring processors begin retirement of PIN pads and terminal devices with internal PIN pads that are not compliant or that are on Visa's® known-compromised devices list. In compliance with these mandates, RBS WorldPay will no longer support boarding, rewrites or exchanges of these types of devices.

NON-PED COMPLIANT DEVICES:

- Are typically referred to as “non-approved” devices
- Typically only support Single DES DUKPT encryption
- Were previously subject to the manufacturers' tamper prevention and detection standards. Before 2004, only minimal standards governed the manufacture of PEDs - and primarily, all that was required was protection of the master keys, key encryption schemes and proper software operation of the device. Validation of software requirements as well as tamper prevention and detection were left to the individual manufacturer.

KNOWN-COMPROMISED DEVICES:

- Are a subset of non-compliant devices
- Appear on Visa's known-compromised list
- Pose an elevated risk of breach of cardholder information
- Can subject merchants to a risk of fines up to \$500,000 per incident from Visa, MasterCard®, or other Card Associations if cardholder information is compromised in any way

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Current Card Association regulations require that non-compliant PED devices be removed from service by July 1, 2010. Merchants who continue to use this equipment past the July 1st deadline will be subject to fines from the Card Associations. WorldPay is urging retailers to consider replacing these devices quickly to avoid the risk of being non-compliant. Our goal is to notify our merchants well ahead of the July 2010 mandate regarding PED-compliant replacements and upgrades.

For your convenience, a list of both known-compromised and non-PED-compliant devices and their suggested replacements are included below. We've also included a section on how your merchants can determine if their 1000SE or SC 5000 PIN pads are compliant.

KNOWN-COMPROMISED			
Device	Suggested Replacement	Is Device Plug and Play? No Software Configuration Required	Requires New Cable?
Hypercom S8 PIN Pad	Hypercom S9 PCI-PED	Yes	Yes
VeriFone Everest PIN Pad	VeriFone Mx830 or Mx850 (If Everest is connected to a POS system)* OR VeriFone 1000SE PCI-PED PIN Pad (If Everest is connected to a POS terminal)	No	Yes
VeriFone PIN Pad 101	VeriFone 1000SE PCI-PED PIN Pad	Yes	No
VeriFone PIN Pad 201	VeriFone SC 5000 PCI-PED PIN Pad	Yes	No
VeriFone PIN Pad 2000	VeriFone SC 5000 PCI-PED PIN Pad	Yes	No

*In instances where the merchant is utilizing a POS system, dealer reconfiguration of that system is necessary.

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NON-PED-COMPLIANT			
Device	Suggested Replacement	Is Device Plug and Play? No Software Configuration Required	Requires New Cable?
Hypercom ICE 5500 Terminal	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
Ingenico eN-Crypt 100 PIN Pad	VeriFone PP1000SE PCI-PED OR If terminal replacement is needed: VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
IVI Sentinel PIN Pad	VeriFone 1000SE PCI-PED PIN Pad OR If terminal replacement is needed: VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
Lipman Nurit 2085/2085+ Terminal These terminals are allowed for credit rewrites, but the merchant must have a VeriFone 1000SE if he or she processes debit transactions.	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
Lipman Nurit 3000 Terminal	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes

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NON-PED-COMPLIANT

Device	Suggested Replacement	Is Device Plug and Play? No Software Configuration Required	Requires New Cable?
Lipman Nurit 3010 Terminal (dial only)	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
NCR 5945 PIN Pad*	VeriFone Mx830 or Mx850	No	Yes
NCR 5991 PIN Pad*	VeriFone Mx830 or Mx850	No	Yes
NCR 5992 PIN Pad*	VeriFone Mx830 or Mx850	No	Yes
Thales T-Pad PIN Pad	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
Thales Talento T-IPP Terminal	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
Thales Talento T-IPPS Terminal	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
VeriFone Omni 470	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
VeriFone Omni 490*	VeriFone Mx830 or Mx850	No	Yes
VeriFone Omni 3210	VeriFone Omni 3730LE (Use VeriFone 1000SE PCI-PED PIN pad if the merchant requires an external PIN pad.)	Yes	Yes
VeriFone Pin Pad 1000	VeriFone 1000SE PCI-PED PIN Pad	Yes	No

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NON-PED-COMPLIANT			
Device	Suggested Replacement	Is Device Plug and Play? No Software Configuration Required	Requires New Cable?
VeriFone PIN Pad 1000 SE (160 Firmware) – See notes below the table on how to determine if this PIN pad is compliant.	VeriFone 1000SE PCI-PED PIN Pad	Yes	No
VeriFone SC 5000 PIN Pad NOTE: We can sell and support the PCI-PED version of the SC 5000 PIN pad, which is also known as the M5 model (the part numbers start with M108-43Y). Only the Pulsar (non-PED) and Stardust (Visa-PED) models are being discontinued. See notes below the table on how to locate the SC 5000 PIN pad part numbers.	VeriFone SC 5000 PCI-PED PIN Pad	Yes	No

*In instances where the merchant is utilizing a POS system, dealer reconfiguration of that system is necessary.

HOW TO DETERMINE IF THE VERIFONE 1000SE PIN PAD IS PCI-PED COMPLIANT:

1. Check the part number:

- The part number for the 1000SE PIN pad (PCI-PED) is P003-180-02-US. **This is compliant.**
- The part number for the 1000SE PIN pad (Visa-PED) is P003-170-02. **This is compliant.**
- The part number for the 1000SE PIN pad (Non-PED) is P003-160-02. **Check the firmware.**

2. If the part number is P003-160-02, check the firmware:

The non-PED firmware could have been upgraded to the Visa-PED firmware at some point. To determine the current firmware, power-up the PIN pad. If “PP1000 TDES 4E300VV MM/YY” is displayed, the PIN pad is loaded with the non-PED firmware. This means your PIN pad is not compliant.

If “PP1000SE TDES PED CERTIFIED 4E300VV MM/YY” is displayed, the PIN pad is loaded with the Visa-PED firmware. The VV = Firmware Version. The MM/YY = Month and Year of Firmware. This means your PIN pad is compliant.

HOW TO DETERMINE IF THE VERIFONE SC 5000 PIN PAD IS PCI-PED COMPLIANT:

Turn the terminal over and look for the VeriFone sticker. The sticker will contain a field that begins with P/N. The characters that follow the P/N are the part numbers:

- The part number for the M5 model will begin with M108-43Y. **This is compliant.**
- The part number for the Pulsar (non-compliant) model begins with M108-0xx through 4xx. **Replace.**
- The part number for the Stardust (Visa-PED) begins with M108-43k. **Replace.**