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</table>

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V2.1

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PURPOSE

- This Security Policy provides guidance for the proper and secure usage of the PCI PTS POI Version 5.1 approved e280 range of payment terminals including information on key-management responsibilities, administrative responsibilities, device functionality, identification, and environmental requirements.
- Within this document all references to e280 are assumed relevant to e280, e280s, e280 DB, e280s V2 unless stated.
- Any deviation from the approved use of the device will invalidate the PCI PTS POI approval.

GENERAL DESCRIPTION

PRODUCT NAME AND APPEARANCE

- Figure 1 shows the appearance of the various e280 terminals. The terminal can be offered in distinct colors.
- The product name is visible on the label at the back side of the device. See Figure 2.
**PRODUCT TYPE**

- The e280 is an integrated handheld Point-of-Interaction (POI) terminal designed to process online and offline transactions in an attended environment. The terminal is PCI PTS version 5 approved as a PED class of device.
- It is equipped to handle a variety of payment methods including: EMV chip and PIN, chip and signature, magnetic-stripe and contactless.
- It provides Bluetooth, Wi-Fi and USB OTG and RS232 interfaces.
- The terminal supports transmit-only Bluetooth beacons (iBeacon and Eddystone) and Over the Air (OTA) provisioning is not allowed.

**IDENTIFICATION**

- The product hardware version (HW ID) is printed on the label on the metal back of the device beneath the removable plastic cover (e280 / e280s v2) or on the rear plastic cover.
(e280s / e280 DB); see Figure 2. The label should not be torn off or manipulated in any way.

- Hardware version number includes variable fields for designating product options; see Table 1.

**Table 1, Hardware version variable positions**

**e280:**

<table>
<thead>
<tr>
<th>Hardware version variable positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 4 5 5 - 0 7 - 3 0 - 0 N x - x 0 - B 0</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</td>
</tr>
</tbody>
</table>

9, 10 Communication options:
- '30': Bluetooth; Wi-Fi

14 Device colour
- ‘0’ = standard

16 Memory configuration
- ‘0’ = standard

17 Extra features:
Bit 0: Media – set to 0 to indicate no extra features on e280

20 Hardware revision

**e280 speaker:**

<table>
<thead>
<tr>
<th>Hardware version variable positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 4 5 5 - 0 7 - 3 0 - 0 N x - x 0 - B 0</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</td>
</tr>
</tbody>
</table>

9, 10 Communication options:
- '30': Bluetooth; Wi-Fi

14 Device colour
- ‘0’ = standard

16 Memory configuration
- ‘0’ = standard
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#### Hardware version variable positions

<table>
<thead>
<tr>
<th>Bit Position</th>
<th>Extra Feature Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Extra features:</td>
</tr>
<tr>
<td></td>
<td>Bit 0: Media – set to 1 to indicate ‘speaker’</td>
</tr>
<tr>
<td>20</td>
<td>Hardware revision</td>
</tr>
</tbody>
</table>

**e280 scanner:**

<table>
<thead>
<tr>
<th>Hardware version variable positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 4 5 5 - 0 7 - 3 0 - 0 N x - x 5 - B 0</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</td>
</tr>
</tbody>
</table>

9, 10

- '30': Bluetooth; Wi-Fi

14

Device colour – 0 = Standard

16

Memory configuration

'0'= standard

17

Extra features:

- Bit 0: Media – set to 1 to indicate 'speaker'
- Bit 1: NCCA
- Bit 2: Camera - set to 1 to indicate ‘scanner’

20

Hardware revision

**e280 DB:**

<table>
<thead>
<tr>
<th>Hardware version variable positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 4 5 5 - 0 7 - 3 1 - 0 N x - x 1 - B 0</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</td>
</tr>
</tbody>
</table>

9, 10

- '30': Bluetooth; Wi-Fi
- '31': Bluetooth; Dual Band WiFi

14

Device colour – 0 = Standard

16

Memory configuration

'0'= standard

17

Extra features:

- Bit 0: Media – set to 1 to indicate ‘speaker’
**E280 SERIES - PCI PTS POI SECURITY POLICY**

---

### Hardware version variable positions

| 20 | Hardware revision |

---

#### e280s V2:

<table>
<thead>
<tr>
<th>Hardware version variable positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
</tr>
<tr>
<td>----</td>
</tr>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

#### Communication options:
- ‘30’: Bluetooth; Wi-Fi
- ‘31’: Bluetooth; Dual Band WiFi

#### Device colour – 0 = ‘Standard’

#### Memory configuration
- ‘0’ = standard

#### Extra features:
- Bit 0: Media – set to 1 to indicate ‘speaker’
- Bit 1: NCCA
- Bit 2: Camera - set to 1 to indicate ‘scanner’
- Bit 3: Increased capacity battery

| 20 | Hardware revision |
---|---|
Figure 2, Product label location and detail showing Hardware Identification (HW ID)

e280 terminal and e280 speaker versions

e280s (scanner) and e280 DB versions
• The firmware versions can be retrieved from the boot splash screen. Shortly after powering up, a splash screen displays the version number for the four security kernels; see Figure 3. You must be able to find these numbers on the list of Approved PIN Transaction Security (PTS) Devices. If these numbers do not match, notify your service provider immediately.

Figure 3, Boot Splash Screen

Note the above photograph is only an example. The values actually displayed on the device must be compared to those shown for this product on the PCI website: https://www.pcisecuritystandards.org/assessors_and_solutions/pin_transaction_devices
• The three last digits in VFSRED version number show the SRED enablement status which is encoded according Table 2.

<table>
<thead>
<tr>
<th>SRED Enablement</th>
<th>X</th>
<th>X</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

1. VCL/ADE encryption:
   - 0 = VCL and ADE are disabled
   - 1 = ADE is enabled
   - 2 = VCL is enabled
   - 3 = ADE and VCL are enabled

2. ATOS Encryption:
   - 0 = ATOS is disabled
   - 1 = ATOS is enabled

3. Voltage encryption:
   - 0 = Voltage is disabled
   - 1 = Voltage is enabled

Table 2, SRED Enablement

• In addition, the detailed information about the security kernel versions can be shown on request from the “Basic information” panel in System Mode. To view the security kernel versions, login into System mode by pressing the button accessed via the hole in the metal back of the device beneath the rear plastic cover. Then select “Home > Information > Basic information” panel. Scroll through the screen and locate the four kernels; see an example in Figure 4.

• Security kernels are:
  - Vault
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- SRED (equivalent to VFSRED in boot splash screen)
- Open Protocol (equivalent to VFOP in boot splash screen)
- Application Manager (equivalent to AppM in boot splash screen)

Figure 4, Basic information panel

INSTALLATION AND USER GUIDANCE

INITIAL INSPECTION

1) Carefully inspect the shipping carton and its contents for possible tampering or damage.
2) Validate the authenticity of the sender by verifying the shipping tracking number and other information located on the product order paperwork.
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3) Remove the unit from the shipping carton.
4) Remove any protective plastic wrap and place the unit on a table or countertop.
5) Remove the clear protective film from the display.
6) Inspect the terminal for possible tampering; see how to identify signs of tampering in section Periodic Inspection.
7) Save the shipping carton and packing material for future repacking or moving the device.

INSTALLATION

• Prior to usage and deployment, familiarize yourself with the [R7] e280 Installation Guide (DOC602-003-EN-A). This guide provides information on verifying terminal equipment, usage, safety, security, environmental requirements, and troubleshooting steps if needed.
• The e280 terminal must be used in an attended environment.
• The terminal contains no user serviceable parts. Do not, under any circumstances, attempt to disassemble the terminal.

ENVIRONMENTAL CONDITIONS

• The following are the typical temperature and humidity specifications of the e280 variants:
  o Operating temperature: 0° to 50° C (32° to 113° F)
  o Storage temperature: -20° to 70° C (-4° to 158° F)
  o Relative humidity: 5% to 90% (RH non-condensing)

• Subjecting e280 devices to extreme environmental conditions will result in tamper events. Any temperatures above 100 °C (± 5 degrees) or below -37 °C (± 5 degrees) will result in a tamper condition. Additionally, should the battery voltage drift outside of the range of 2.2 VDC to 3.3 VDC, the unit will tamper.

COMMUNICATIONS AND SECURITY PROTOCOLS

• The e280 terminal supports the communications methods and protocols listed below. Use of any method not listed here invalidates the device PCI PTS approval.
The following interfaces are available in the device:
  - CTLS
  - USB OTG / Serial Port via Type-C connector USB Device
  - Bluetooth LE v4.2
  - Wi-Fi

The following protocols and services are supported by the device:
  - TLS/SSL
  - SFTP, SSH
  - DHCP, DNS
  - TCP, IP, UDP
  - PPP

The security guidance described in this Security Policy and in [R9] V/OS IP Stack Security Guidance Users Guide specifies how protocols and services must be used/configured for each interface that is available on the device.

**CONFIGURATION SETTINGS**

The device is functional when received by the merchant or acquirer. No security sensitive configuration settings are necessary to be modified by the end user to meet security requirements.

**UNATTENDED INSTALLATION**

Not applicable.

**HANDHELD DEVICES**

When the e280 is used in a Mobile-POS use case scenario connected to a mobile phone or tablet via Bluetooth / BLE 4.2 or Wi-Fi, the SRED data-account encryption functions must be enabled and enforced, otherwise it will invalidate the PCI-PTS approval for this device.
PERIODIC INSPECTION

- Inspect the terminal for possible tampering after receipt, during installation and periodically. Signs of tampering include:
  - Wires protruding out of the device
  - Foreign objects inserted into the smart card slot or mag stripe slot
  - Tamper message on the device display; see Figure 6.
  - For e280 only - verify that there is no damage or enlarged holes in the metal cover, using Figure 5 as the reference.

- e280 / e280 Speaker only: Remove the plastic rear cover and check that the seal in the middle of the top is intact and that the product ID label is present and in approximately the position shown in Figure 5, and specifically not covering the overlapping rectangular openings lower down.

- Implement a procedure that checks the terminal serial number every time the device is started or powered on to insure the device has not been replaced. If the device has been replaced, cease using the terminal and notify your Verifone customer relations manager.
- Visually inspect the terminal daily to ensure there are no foreign objects present in the smartcard slot; ensure there are no wires emanating from the smartcard slot.
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- Develop a breach response plan. This identifies the steps to take if a suspected breach occurs as well as who will perform each step. The plan needs to include isolation of your payment systems and a list of all personnel who need to be notified. These personnel include your local law enforcement, your acquiring bank, your processor, security assessor, as well as your payment system vendor.

- Track each instance of replaced terminals within the store. Whether from the in-store inventory, by a repair technician or with terminals shipped into the store.

- If any device is found in tamper state, please remove it from service immediately, keep it available for potential forensics investigation, and notify your company security officer and your local Verifone representative or service provider. For contacting Verifone, please see section “Verifone Service and Support” in [R7] e280 Installation Guide (DOC602-003-EN-A).

**SELF-TEST**

- e280 terminals employ a self-test to confirm firmware integrity and reinitialize memory. The self-test is performed:
  - When the unit powers
  - When the unit is rebooted
  - At least once every 24 hours
  - Upon demand

- Authorized maintenance personnel (system mode passwords required) may configure the e280 to perform self-test at a specified time or manually invoke the self-test option.

- The following components are checked during self-test:
  - Integrity of the TMK (Terminal Master Key)
  - Integrity of the other key files
  - Tamper detection system
  - VeriShield certificate tree
  - Firmware
• If a self-test fails, the e280 limits its functionality based on the severity of the issue discovered. Device response ranges from partial disablement of applications to non-functionality. In all cases PIN-processing is disabled.

ROLES AND RESPONSIBILITIES

• Authorized terminal administrators can perform local downloading operations using the System Mode. Also, they can perform local key injection operations under dual control.

PASSWORDS AND CERTIFICATES

• Passwords used for entering System Mode and sensitive services (key loading) are pre-expired and must be changed upon first use. These passwords must be at least 7 decimal characters (0-9) in length.

TAMPER RESPONSE

• Security mechanisms employed within the terminal can detect physical tampering and trigger a tamper event. This causes the terminal to cease performing transactions and to indicate that it has been tampered on the display; see Figure 6.

Figure 6, Tamper message on the terminal display
PRIVACY SHIELD

- The e280 is a handover device. Always exercise extreme caution when conducting transactions, especially during PIN entry:
  - Hand the terminal directly to the cardholder for PIN entry.
  - Encourage the cardholder to hold the terminal close to avoid others from seeing the information being entered.

PATCHING AND UPDATING

- Updates and/or patches to the operating system can be installed on the device. Updates/patches are RSA certificate authenticated. If the signature of the updates cannot be authenticated, the update/patch is rejected and not installed.
- For the secure operation of the device, it is recommended to use the latest versions of the released software.

DECOMMISSIONING

- Before removing the device from service permanently or for repairs, all sensitive data must be erased. Sensitive data includes credit card data and all encryption keys inclusive of ALL Private, PIN, and Data encryption keys.
- If the device is permanently decommissioned from service, this can be done by disassembling the device to force a tamper condition, so all sensitive data will be erased automatically. After performing this operation, turn on the terminal and verify that the unit is in tamper state; see Figure 6.

REMOVAL DETECTION

- Not applicable.
SOFTWARE DEVELOPMENT GUIDANCE

- Applications must be designed and implemented in accordance with the PA-DSS requirements document entitled, [R13] PA-DSS Program Guide v3.0.
- When developing IP capable payment based applications, developers must follow the guidance listed in the following documents:
  - This Security Policy
  - [R12] VeriShield File Signing Overview

- All referenced best practices regarding coding practices and device configurations must be followed.
- Transaction data must be cleared as soon as the transaction is completed, including but not limited to working registers and buffers.
- Allowable application behavior:
  - Write to the display
  - Fetch keypad entries
  - Request an encrypted PIN block

- Forbidden application behavior:
  - Change PIN entry retry limit
  - Attempt to alter PIN entry time-out.
    - PIN entry time-outs are set and enforced by the OS. The application is not capable of altering these.
    - PIN Entry time-outs are set to: 30 Seconds without key presses, or 300 Seconds with key presses.
  - Modify a key
  - Generate a subordinate certificate
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- Execute another application
- Encrypt arbitrary data

SSL

- TLS 1.2 should be used. SSL is supported but this protocol is inherently weak and should be removed unless required on an interim basis to facilitate interoperability as part of a migration plan. For SSL 3, or older versions of TLS, if supported, all cipher suites using single DES or RC4 must be removed.
- It is strongly advised to use TLS/SSL with mutual authentication enabled to protect the communications over a network connection.

BLUETOOTH

- Bluetooth Low Energy interface must be configured to enforce encryption, otherwise it will invalidate the PCI PTS POI approval status of the device. This encryption is in addition to any other encryption the data may have undergone. This implies that the configuration of the GATT server must enable authenticated signed reads and writes of Characteristics, so that the communication will be only possible with paired clients.

SIGNING

- VeriShield FST (File Signing Tool) manages the generation and signing of device certificates. See DevNet and [R12] VeriShield File Signing Overview for more information on signing tool implementation.
- e280 terminals employ a security architecture called VeriShield Retain, which has both physical and logical components. The logical security component, called File Authentication (FA) is part of the terminal’s operating system software.
- File Authentication is a secured process for authenticating files using digital signatures, cryptographic keys, and digital certificates. This process enables the sponsor of an e280 terminal to logically secure access to the terminal by controlling who is authorized to download applications or firmware updates files to the terminal. It proves and verifies the
file’s origin, sender’s identity, and the integrity of the file’s information. If any of these three items are not verified, then the download is rejected.

- Only application codes that have been authorized for release should be signed and released to the field. The signing must occur under dual control and split knowledge.

ACCOUNT DATA PROTECTION

- If the product is SRED enabled:
  - The working buffers associated with PAN encryption clears automatically as soon as the transaction completes.
  - The encryption of PAN data is automatic and transparent to your application – there are no added API calls needed.

- The device supports account data protection using format-preserving encryption (FPE) revised FF2 method. The pass-through of clear-text account data is supported using whitelisting technique (BIN table).
- In addition, the device supports account data encryption operations using TDEA DUKPT algorithm (ADE and ATOS Poseidon ZVT Security), AES DUKPT (VCL) and VISA DSP.

ALGORITHMS SUPPORTED

- The device supports the following algorithms:
  - Triple DES (112 bits, 168 bits)
  - AES (128 bits)
  - RSA (2048 bits)
  - ECDSA (256, 384, 521 bits)
  - SHA-256, SHA-384, SHA-512

KEY MANAGEMENT

- The device supports the following key management schemes:
  - Fixed key (TDES)
  - Master Key / Session Key (TDES)
• DUKPT (TDES and AES)

- Employing key management schemes that do not comply with PCI PTS with PCI payments will invalidate the PCI PTS approval for this POI.
- For devices to be deployed in countries requiring Common.SECC certification, the use of fixed key or master/session key management schemes and PIN block format 0 for PIN encryption must be avoided and unique keys per transaction or the use of PIN block format 1 (random included) shall be used instead.
- The following table lists all supported key management schemes. For more information, refer to [R11] 2.0 Encryption Services Organization Key Management Procedures“.
<table>
<thead>
<tr>
<th>Key Name</th>
<th>Size (bytes)</th>
<th>Algorithm</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>KLK (Key Loading Key)</td>
<td>16, 24</td>
<td>TDEA (ANSI X9.52)</td>
<td>To load encrypted master keys</td>
</tr>
<tr>
<td>Master Keys</td>
<td>16, 24</td>
<td>TDEA (FIPS 46-3, ANSI X3.92, X3.106); TDEA (ANSI X9.52)</td>
<td>Encryption of working keys (PEK, MEK, DK) for down-line transmission to the device</td>
</tr>
<tr>
<td>PIN Encryption Key (PEK)</td>
<td>16, 24</td>
<td>TDEA (FIPS 46-3, ANSI X3.92, X3.106); TDEA (ANSI X9.52)</td>
<td>PIN Encryption per master/session key scheme</td>
</tr>
<tr>
<td>MAC Encryption Key (MEK)</td>
<td>16</td>
<td>TDEA MAC (ANSI X9.19)</td>
<td>Message authentication per master/session key scheme</td>
</tr>
<tr>
<td>Data Keys (DK)</td>
<td>16</td>
<td>TDEA (ANSI X9.52)</td>
<td>Account balance decryption per master/session key scheme</td>
</tr>
<tr>
<td>PIN Fixed Keys</td>
<td>16, 24</td>
<td>TDEA (FIPS 46-3, ANSI X3.92, X3.106); TDEA (ANSI X9.52)</td>
<td>PIN Encryption per fixed key scheme</td>
</tr>
<tr>
<td>MAC Fixed Keys</td>
<td>16</td>
<td>TDEA (FIPS 46-3, ANSI X3.92, X3.106); TDEA (ANSI X9.52)</td>
<td>Message authentication per fixed key scheme</td>
</tr>
<tr>
<td>DUKPT TDEA Keys (PIN, MAC)</td>
<td>16</td>
<td>TDEA DUKPT (ANSI X9.24)</td>
<td>PIN encryption and message authentication per TDEA DUKPT scheme</td>
</tr>
<tr>
<td>DUKPT AES Keys (PIN, HMAC and)</td>
<td>16</td>
<td>AES DUKPT (ANSI X9.24 - 3)</td>
<td>PIN encryption, message authentication and account data encryption per AES DUKPT scheme</td>
</tr>
</tbody>
</table>
KEY LOADING

- The terminal does not support manual cryptographic key entry. Key injection and management equipment must be managed in a secure manner to minimize the opportunity for compromise in accordance with items [R1], [R2], and [R4] in References.
- Physical keys, authorization codes, passwords, and other credentials must be managed under dual control and split knowledge so that no one person can use two credentials simultaneously.
- Key management security objectives must be in compliance with PCI PIN Transaction Security requirements.

<table>
<thead>
<tr>
<th>Keys</th>
<th>16</th>
<th>Algorithms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUKPT TDEA ADE</td>
<td>16</td>
<td>TDEA DUKPT (ANSI X9.24)</td>
<td>Account data encryption and MAC calculation per TDEA DUKPT scheme</td>
</tr>
<tr>
<td>ATOS Poseidon</td>
<td>16</td>
<td>TDEA (ANSI X9.52)</td>
<td>PIN Encryption, message authentication, bitmap encryption and end-to-end encryption per ATOS Poseidon scheme</td>
</tr>
<tr>
<td>VCL Keys</td>
<td>16</td>
<td>AES-128</td>
<td>Keys for Format Preserving Encryption of card data per Verifone VCL scheme</td>
</tr>
<tr>
<td>Application Signer</td>
<td></td>
<td>RSA 2048 SHA-256</td>
<td>Used by customer to sign Applications to install to device.</td>
</tr>
</tbody>
</table>

Table 3, Key Table
KEY REPLACEMENT

- Key replacement must be performed upon any known or suspected compromise of any cryptographic or sensitive information, and whenever the time deemed feasible to determine the key by exhaustive attack elapses, as defined in NIST SP 800-57-1.
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ANNEX

RELATED DOCUMENTATION

Part 1: Using Symmetric Techniques
Part 2: Using Asymmetric Techniques for the Distribution of Symmetric Keys
[R3]  ISO 9564-1, Financial Services Personal Identification Number (PIN) Management
and Security Part 1: Basic Principles and Requirements for PIN's in Card-Based Systems
Symmetric Algorithms
[R5]  ISO 9564-2, Banking, Personal Identification Number Management and Security
Part 2: Approved Algorithms for PIN Encipherment
[R6]  SP800-57 Part 1: Recommendation for Key Management
[R7]  e280 Installation Guide (DOC602-003-EN-A)
[R10] PCI PTS POI - Modular Security Requirements v5
[R11] 2.0 Encryption Services Organization Key Management Procedures
[R12] VeriShield File Signing Overview
[R13] PA-DSS Program Guide v3.0
### ACRONYMS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#:</td>
<td>Number</td>
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<tr>
<td>AES:</td>
<td>Advanced Encryption Standard</td>
</tr>
<tr>
<td>ANSI:</td>
<td>American National Standards Institute</td>
</tr>
<tr>
<td>API:</td>
<td>Application Programming Interface</td>
</tr>
<tr>
<td>DES:</td>
<td>Data Encryption Standard</td>
</tr>
<tr>
<td>DUKPT:</td>
<td>Derived Unique Key Per Transaction</td>
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<tr>
<td>FIPS:</td>
<td>Federal Information Processing Standards</td>
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<tr>
<td>FA:</td>
<td>File Authentication</td>
</tr>
<tr>
<td>FST:</td>
<td>File Signing Tool</td>
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<tr>
<td>LCD:</td>
<td>Liquid Crystal Display</td>
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<tr>
<td>MAC:</td>
<td>Message Authentication Code</td>
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<tr>
<td>PA-DSS:</td>
<td>Payment Application Data Security Standard</td>
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<tr>
<td>PAN:</td>
<td>Personal Account Number</td>
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<td>PCI:</td>
<td>Payment Card Industry</td>
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<td>PED:</td>
<td>PIN Entry Device</td>
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<tr>
<td>PIN:</td>
<td>Personal Identification Number</td>
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<td>POI:</td>
<td>Point of Interaction</td>
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<td>PIN Transaction Security</td>
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<td>RH:</td>
<td>Relative Humidity</td>
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<td>RSA:</td>
<td>Rivest Shamir Adleman</td>
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<td>SHA:</td>
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E280 SERIES - PCI PTS POI SECURITY POLICY

SRED: Secure Reading and Exchange of Data
TDEA: Triple Data Encryption Algorithm
TMK: Terminal Master Key
VPN: Verifone Publication Number