



Security[®]
Standards Council



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VP, Solutions

PCI Security Standards

Cameron Wallace

Technical Analyst, Lab Validation Programs

PCI Security Standards

Skimming Prevention Best Practices



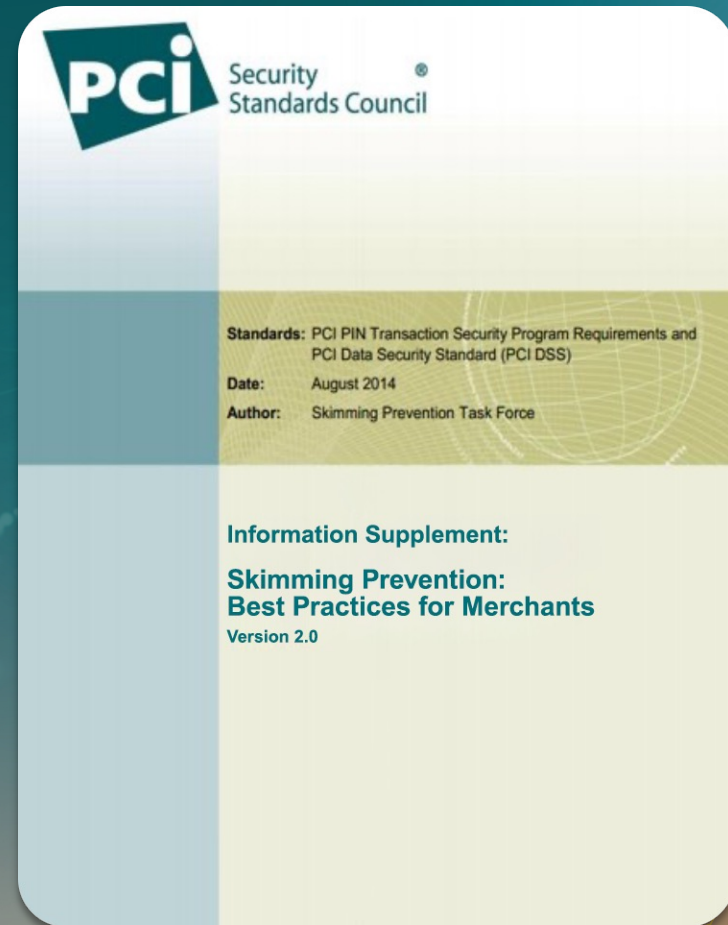
Logical Attacks



Physical Attacks



Prevention & Training



Logical Attacks



**The Attack is
Difficult to Detect**



**Uses Unsecure
Communications**



**May Change the
Performance of
the Product**

Logical Attacks Mitigation



Secure



Signed



Survey



School

Physical Attacks



Overlays



Modified



Legitimate



Device
Modification



Hidden
Camera



Shims



Shims



Attached Bug



Legitimate

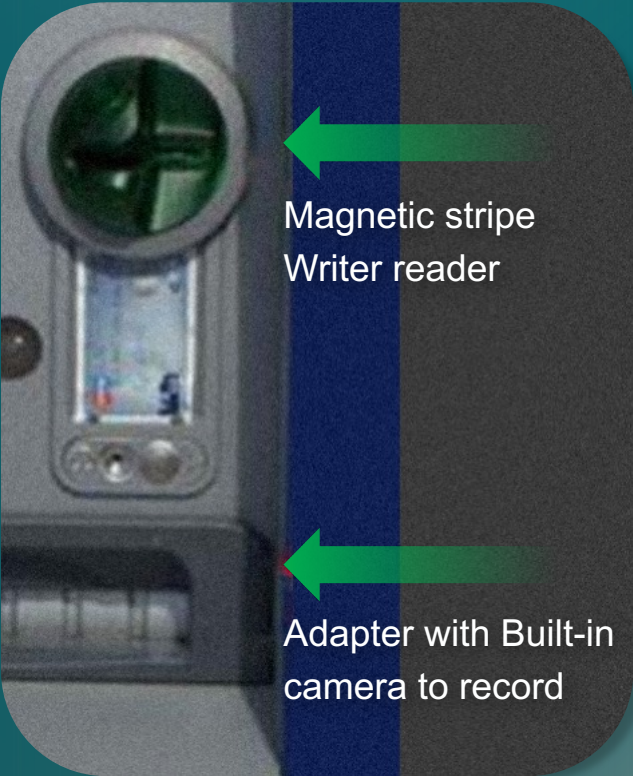


Modified

Key Loggers

Physical Attacks

ATM and Fuel Dispenser Attacks



EasySweep - Target's Payment Terminal Inspection Tool

US Patent Pending #2022/0138443 A1 "Payment Terminal Evaluator"

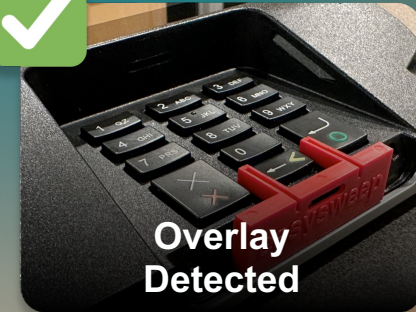
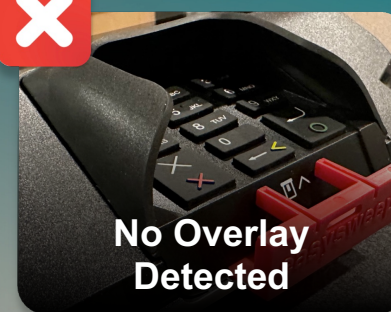
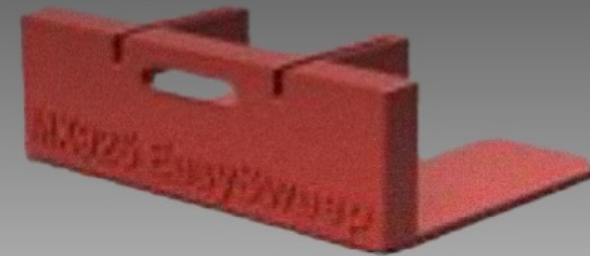
Terry Woodman

Principal Cyber Defense Analyst
Enterprise Incident Management,
Target

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- No formal training required
- Target is making the CAD file available to other retailers, for free.

For MX900 and Lane



Physical Attacks Mitigation



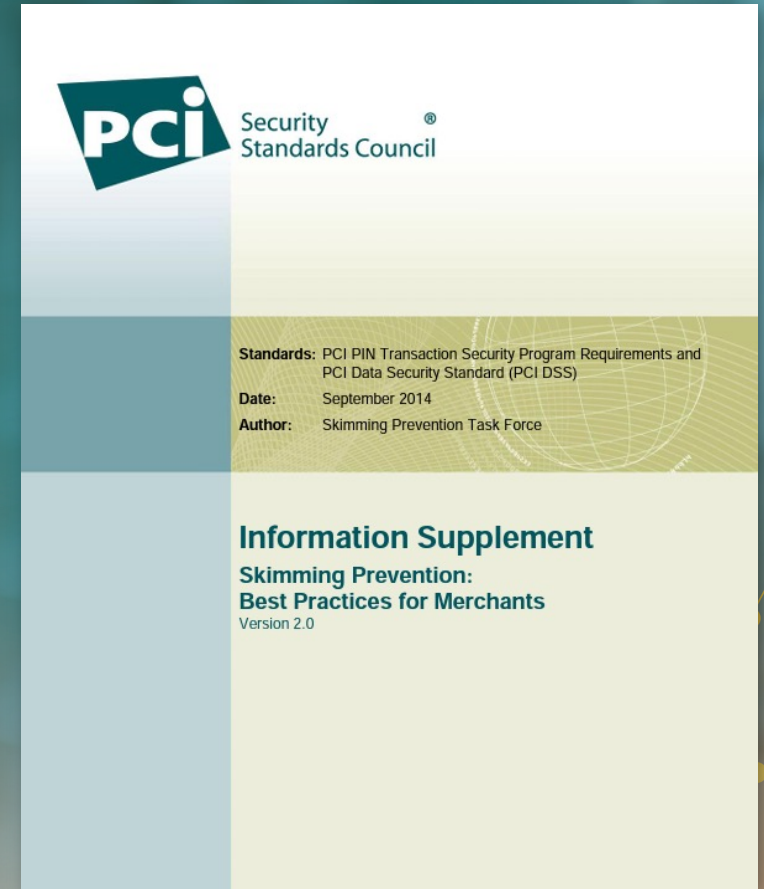
- Encrypt your data. Use SRED if available.
- Make sure all files are signed.
- Secure all interfaces in and out of the device.
- Physically check your terminal frequently.



- Secure your Terminals.
- Train your Employees.
- Have a Security Policy.
- Make sure your employees know what to do.

PCI SSC Resources

Find All Resources at
pcissc.org/documents





Thank You!