
So You Have a PIV Card, Now What?

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The Mandate States:

As promptly as possible, . . . the heads of executive departments and agencies shall, to the maximum extent practicable, require the use of identification by Federal employees and contractors that meets the Standard in gaining physical access to Federally controlled facilities and logical access to Federally controlled information systems.

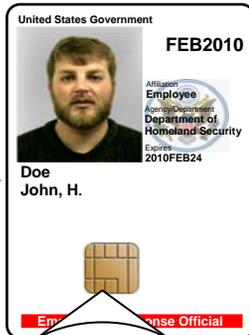
HSPD-12: Policy for a Common Identity Standard
for Federal Employees and Contractors

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Implementation



- Physical inspection
- Electronic S/N Verification
- Biometric Verification
- Digital Credential verification



Physical Access



Logical Access



Digital Credential verification

Is That It?

- Enabling strong authentication for physical/logical access (HSPD-12, M-05-24)
 - Enabling non-repudiation in electronic signatures (GPEA, M-00-10)
 - Enabling strong identity authentication (M-04-04)
 - Protecting Sensitive Agency Information (M-06-16)
 - Safeguarding Personally Identifiable Information (M-07-16)
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Using the Card

| Leverage Smart Card Technology to provide: | M-07-17 | M-06-16 | M-04-04 | HSPD-12 M-05-24 | GPEA M-00-10 |
|--|---------|---------|---------|--------------------|-----------------|
| Strong Identity Authentication | | | ✓ | ✓ | |
| Electronic Signature | | | ✓ | | ✓ |
| Transaction Integrity | | ✓ | ✓ | ✓ | |
| Data Protection | ✓ | ✓ | | | |

More Challenges Ahead

- Defining the Interface protocols for Use Cases
 - Internal Applications
 - Interagency Applications
 - Visitor Access
 - Application enablement
 - Managing Contractor PIV cards
 - HSPD-12 Compatibility – Interoperability with external entities issuing smart cards
 - Defining the Trust Model
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Basis for PIV Card Trust

- Well-defined standards
 - A compliance regimen that ensures parties adhere to the well-defined standards
 - Relying Party verification that allows relying parties to verify compliance when trusting and
 - Secure components inherent to the PIV Card
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Resources

- For information on the NIST PIV Standards activity:
<http://csrc.nist.gov/groups/SNS/piv/index.html>
 - For information on GSA PIV Activities:
www.idmanagement.gov
 - For information on Federal Identity Credentialing Committee activities and the PKI Shared Services:
www.cio.gov/ficc
 - For general information on Federal PKI activities
www.cio.gov/fpkipa
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