Requirements of Personal Identity Verification Standards and HSPD#12
HSPD-12 Presidential Policy Driver

Home Security Presidential Directive 12 (HSPD-12):

“Policy for a Common Identification Standard for Federal Employees and Contractors”

Dated: August 27, 2004
HSPD 12 Requirements

Secure and reliable forms of personal identification that is:

- Based on sound criteria to verify an individual employee’s identity
- Strongly resistant to fraud, tampering, counterfeiting, and terrorist exploitation
- Rapidly verified *electronically*
- Issued only by providers whose reliability has been established by an official accreditation process
HSPD 12: Requirements (cont.)

- Applicable to all government organizations and contractors except identification associated with National Security Systems

- Used for access to Federally-controlled facilities and logical access to Federally-controlled information systems

- Flexible in selecting appropriate security level – includes graduated criteria from least secure to most secure

- Implemented in a manner that protects citizens’ privacy
# HSPD-12 Milestones

<table>
<thead>
<tr>
<th>Timeline</th>
<th>Agency/Department Requirement/Milestone</th>
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<tbody>
<tr>
<td>August 27, 2004</td>
<td>Directive signed and issued</td>
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<tr>
<td>Not later than 6 months (February 25, 2005)</td>
<td>Issued standard</td>
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<tr>
<td>Not later than 4 months following issuance of standard (June 25, 2005)</td>
<td>Program in place to ensure that identification issued by organizations meet the PIV Standard (Part-1)</td>
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<tr>
<td>Not later than 6 months following issuance of standard. (August 25, 2005)</td>
<td>Identify additional applications that could benefit from conformance to the standard</td>
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<tr>
<td>Not later than 8 months following issuance of standard (October 27, 2005)</td>
<td>Compliance with standard (Part-1)</td>
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FIPS 201 Development Process

- Preliminary thinking posted on PIV web site in late September 2004
- Held 4 workshops on draft standards (1 workshop for government only)
- Published preliminary draft and draft for public review
- Independent coordination with the Government Smart Card Interagency Advisory Board and Federal Identity Credentialing Committee
- Final consultations with Defense, State, Homeland Security, Justice, OSTP, and OMB
- Processed ~1900 comments from over 90 organizations.
FIPS 201 DEVELOPMENT PROCESS

Nature of Comments on the Draft

- Differences from current systems and systems development programs in which substantial resources have been invested
- Resource and time required to implement changes to existing systems
- Privacy concerns held by unions and public
- Time required to conduct background checks
- Differences among agencies regarding best mechanisms for:
  - Physical and logical security
  - Technology
  - Performance
  - Business issues
Comment Evaluation - Considerations

Key balancing interests include:

- Increased security
- Enhanced interoperability
- Cost
- Time
- Privacy
- Employee/union interests
- Usability
- Industry concerns
- Training
- Agency flexibility vs. consistency
- Simplicity
- Installed base technology
- Emerging standards and technology
- Technology neutrality

All within the context of meeting the President’s HSPD 12 mandate for change
Supporting Documentation

- **Supporting Publications**
  - SP 800-73 – *Interfaces for Personal Identity Verification* (card interface commands and responses)
  - SP 800-76 – *Biometric Data Specification for Personal Identity Verification*
  - SP 800-78 – *Recommendation for Cryptographic Algorithms and Key Sizes*
  - SP 800-79 – *Issuing Organization Accreditation Guideline*

- **NIST PIV Website** (http://csrc.nist.gov/piv-project/)
  - Draft and Completed Documents
  - Frequently Asked Questions (FAQs)
  - Comments Received (In Original Format)

- **Additional Guidance**
  - OMB Guidance (Policy) {http://www.whitehouse.gov/omb/inforeg/hspd-12_guidance_040105.pdf}
  - FICC Guidance (Implementation – *Identity Management Handbook*)
  - NIST Guidance on Certification and Accreditation
Current Fiscal Year 2005 FIPS 201 Schedule

Scheduled Deliveries

DoC Promulgation of FIPS 201 February 25, 2005
[GSA Federal Identity Management Handbook v0.2 March 8, 2005]
NIST SP 800-73, Interfaces for Personal Identity Verification April 8, 2005
NIST SP 800-78, Crypto Algorithms for Personal Identity Verification April 8, 2005
Draft SP 800-79, PIV Card Issuing Organization Accreditation Guidelines June 17, 2005
NIST SP 800-76, Biometric Data Specification for Personal Identity Verification June 24, 2005*
Publish FIPS 201 Reference Implementation June 25, 2005
[FIPS 201 Implementation Plans Due to OMB June 27, 2005]
Draft SP 800-79 Comments Due July 15, 2005
Final SP 800-79, PIV Card Issuing Organization Accreditation Guidelines July 25, 2005

Other FY 2005 Activities

• FIPS 201/FIPS 140-2 Derived Test Requirements
• FIPS 201 Conformance Test Suite
• FIPS 201 Compliance Test Facility Accreditation Guideline
• FIPS 201 Test Implementation Guidelines
• FIPS 201 Pre-Issuance Specification
• [Standard Common Software Platform – Facilitation of FIPS 140-2 Validation]
• [FIPS 201 Component and System Developer’s Handbooks]
• Training Documentation [Testing, Developer, Issuer, User]

* Dependent on Homeland Security Council Action