

# Interagency Advisory Board

*Meeting Agenda, May 27, 2010*

1. **Opening Remarks**
2. **PIV-I Status** (*Judy Spencer, GSA*)
3. **PIV Test Requirements** (*Dave Temoshok, GSA*)
4. **ICAM Progress at USDA** (*Owen Unangst, USDA*)
5. **PIV-I Discussion Panel** (*Jim Hatcher, Mike Mestrovich, Chris Loudon, Rebecca Nielson*)
6. **FIWG Status Update** (*Corinne Irwin, NASA*)
7. **LAWG Status Update** (*Bill Erwin, GSA*)
8. **Closing Remarks**



# PIV Test Card Programs

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***David Temoshok***  
***Director, Federal Identity Management***  
***GSA Office of Governmentwide Policy***

**Federal Smart Card InterAgency Advisory Board**  
**May 27, 2010**

# The Need for PIV Test Cards

- Industry/suppliers have requested PIV test cards for product development and testing.

“There is also a catch 22; only federal employees and contractors are authorized to possess PIV cards. However, manufacturers need PIV cards to develop products that will use the cards. Operational card stock for R&D and testing remains a key priority for the electronic security industry, due to the many options and variations allowed for in the NIST specifications.”

- *Testimony to U.S. House Subcommittee on Government Management, Organization and Procurement*
- *Security Industry Association, April 9, 2008*

- Federal agencies need PIV test cards and data objects for their internal PACS/LACS implementations and testing.

## ***3 Principal Federal Smart Card Test Card Programs***

- **DOD CAC/PIV Test Card Program**
- **GSA MSO PIV Card Test Program**
- **GSA FIPS-201 Evaluation Program Data Populator and Commercial Card Services**

# GSA MSO PIV Card Test Program



- Separate CLIN on GSA HSPD-12 Shared Service contract for PIV test cards
  - Available to agencies with MSO Service Agreement with GSA
- Industry suppliers need to go through GSA agency customer to order from CLIN
- “Blank” card – no graphical personalization
- PIV data objects may be Generic or Tailored for agency-specific data
  - Tailored data allows agency to define the User Principal Name (UPN) and the network DNS suffix
  - e.g. Mike.Jones@gsa.gov
- PKI key pairs/certificates are generated and loaded on card through Entrust SSP Test CA and HP
- Signed data objects are signed through Entrust Test CA
- Certificates are validated through Entrust TEST CA CRL
- Request Form for Test Cards is same as DOD DMDC

# ***GSA FIPS 201 Evaluation Program***

## ***Test Tools***



- 800-85B Data Conformance Test Tool (v.5.2.0)
  - Tests conformance to PIV data model and card encoding
  - Validates data objects
  - Combines the SP 800-85B Test Tool with the PIV Content Verifier Tool for the combined SP 800-85B Data Conformance Test Tool
- Cardholder Facial Image Test Tool
  - Test biometric facial image stored on card
  - Tests compliance with NIST SP 800-76-1 requirements – Biometric Data Specification for PIV
  - INCITS 385-2004
- Server-based Certificate Validation Protocol (SCVP) Client Test Tool
- Data Populator Tool
- GSA Test Tools are available for download at:

<http://fips201ep.cio.gov/tools.php>

# ***GSA Data Populator Tool***

- Data Populator Tool generates 5 mandatory PIV data objects.
  - Card Capability Container, CHUID, PIV Authentication Certificate, Cardholder FP Template, and PIV Security Object.
- Data Populator Tool also generates optional PIV data objects.
  - Cardholder Facial Image, Printed Information, X.509 Certificates for Digital Signature, Key Management, and Card Authentication
- Tool produces valid PIV data objects that conform to SP 800-85B Data Conformance Tests
- Tool encodes PIV data object on approved PIV cards
- PKI key pairs/certificates are generated and loaded on card through the tool and FIPS 201 Evaluation Program Test CA
- Signed data objects are signed through Evaluation Program Test CA
- Certificates are validated through SCVP and Evaluation Program Test CA
- Entities must register with the GSA Evaluation Program to download tool



# GSA Data Populator Tool and Test PIV Cards

- Data Populator Tool can be used to produce PIV test cards.
- Organizations must register with the GSA Evaluation Program to download Tool and are posted at Evaluation Program Site

**FIPS 201 Evaluation Program**

**FIPS 201 EP Contact Info**  
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**Organizations that have access to the Data Populator Tool**

- AMAG Technology
- Athena Smartcard Inc.
- Codebench
- GDS
- Kaba Ilco Corp.
- Oberthur Card Systems
- Tyco Safety Products

**FIPS 201 Documentation**

- [USA Flag](#)
- [Product/Services Category List](#)
- [Evaluation Program CONOPS](#)
- [Requirements Traceability Matrix](#)
- [Acquisition Process](#)
- [Card to Reader Interop Guideline](#)
- [Agency APL Verification List](#)
- [Test Card Configurations](#)
- [Suppliers Handbook](#)
- [CCV RTM](#)

# Commercially Available PIV Test Cards



- GDS produces PIV test cards through the Data Populator Tool -- available at:

Test PIV card shop

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**PIV Card Configurations**

- Card Only with NO DATA**  
FIPS 201 Evaluation Program Approved Products List (APL) PIV Card with PIV Application (APL listed) loaded, and containers ready to be populated with your data  
  
PTC10210  
[Read more...](#)
- Card Loaded with DATA**  
FIPS 201 Evaluation Program Approved Products List (APL) PIV Card with PIV Application (APL listed) loaded, and containers populated with 800-85B content verified data  
  
PTC10211  
[Read more...](#)

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# For More Information



- Visit our Websites:  
<http://www.idmanagement.gov>  
<http://fips201ep.cio.gov/index.php>

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