



Smart Card
Alliance

E-PACS Testing / Annual PIV Card Issuer Testing

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Agenda

- E-PACS Testing
 - Procurement Qualifications
 - Annual PIV Card Issuer Testing



E-PACS Testing: Background – Program Description

- FIPS 201 Evaluation Program operates a testing program for HSPD-12 related requirements
 - Products that interact with PIV Cards
 - For example, Logical Access Control Systems (LACS), Physical Access Control Systems (PACS), etc
 - Conformance to FIPS 201 Standard
- The Approved Product List (APL) is the official list of products that have passed applicable FIPS 201 testing
- Help industry understand federal requirements and help agencies find conformant products



E-PACS Testing: Background – Key Policy Drivers

➤ Homeland Security Presidential Directive 12 (HSPD-12)

- Establishes the requirement for a mandatory Government-wide standard for secure and reliable forms of identification for Federal employees and contractors (i.e., PIV Cards).



➤ OMB Memorandum M-05-24

- GSA has been designated as the “executive agent for Government-wide acquisitions of information technology” for products and services required for implementing HSPD12.

➤ OMB Memorandum M-06-18

- Directs that agencies must acquire products and services that are approved as compliant with Federal policy, standards and supporting technical specifications in order to ensure government-wide interoperability.

➤ OMB Memorandum M-11-11

- Requires continued Implementation of HSPD-12.



E-PACS Testing: Program Overview – Our Mission



Mission Statement

“Make the Approved Product List (APL) so valuable that no agency would consider doing procurement without referencing the APL, and no vendor would consider a product without factoring in the APL”

Program Value for Stakeholders

Government	Reduces duplication of effort across agencies by having a unified testing program.
Agencies	Radically simplifies product selection and requirements definition.
ICAM SC	Reduces burden on agencies deploying ICAM capabilities.
General Service Administration (GSA)	Shows GSA commitment to supporting government-wide policy efforts and providing tools / capabilities to support agency procurement efforts.
Vendor/Industry	Creates a dynamic market and competitive advantage for vendors that participate on the APL.



E-PACS Testing: How Testing Works

- End to End System Submission
- Functional Requirements
- Topologies
- Application Package
- Idmanagement.gov



E-PACS Testing: Results To-Date

- Test Infrastructure
 - 251 Test Cases
 - Gen1 ICAM Test Cards
 - 2 Topologies adopted
- PACS APL: 15 End to End PACS Solutions Approved
 - 13 different PACS vendors represented (6 more in queue to be tested)
 - 20 readers approved
 - 300 operationalized configurations
- Mobile Validation Handheld Device Testing now live



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Procurement Qualifications: Integrators

- GSA-procured E-PACS must be installed by trained and certified engineers
- GSA-recognized certification body
 - SCA E-PACS Certification Course
 - Alternate training / certification organizations are encouraged to submit for approval



Procurement Qualifications: GSA Schedule

- GSA Schedule 70 and 84 HSPD 12 SIN Overhaul
 - RFI expected mid to end of November
 - Vendor day
 - Schedule 70 Feb 3rd
 - Schedule 84 Feb 5th



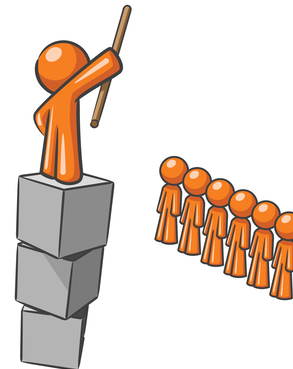
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PIV Card Issuer Testing: Source of Authority

- On May 5, 2014, the FPKI Policy Authority updated the Federal Common Policy Certificate Policy to specify two requirements for PIV Card Issuers:
 - PIV Cards shall only be issued using card stock that tested and approved by the FIPS 201 Evaluation Program and listed on the FIPS 201 Approved Products List (APL)
 - On an annual basis, PIV Cards shall be submitted to the Program for testing



PIV Card Issuer Testing: Approach

- To ensure the most accurate determination:
 - Requires PIV Cards issued from production systems to real users
 - Test PIV Cards are not acceptable for Annual Issuer Testing.
- Results are documented in a Test Report and sent to the Issuer and others (e.g., FPKIPA) as appropriate
- Two types of testing: NIST 85B and Interoperability



PIV Card Issuer Testing: Value

- Feedback loop for the Program to become more knowledgeable about what is in the field
- PIV Card Issuers get annual check that their issued cards meet all applicable standards so as to remain certified within the FPKI
- Results reveal the degree of interoperability between approved products and fielded cards
- Will lead to refinements that substantially improve real-world interoperability



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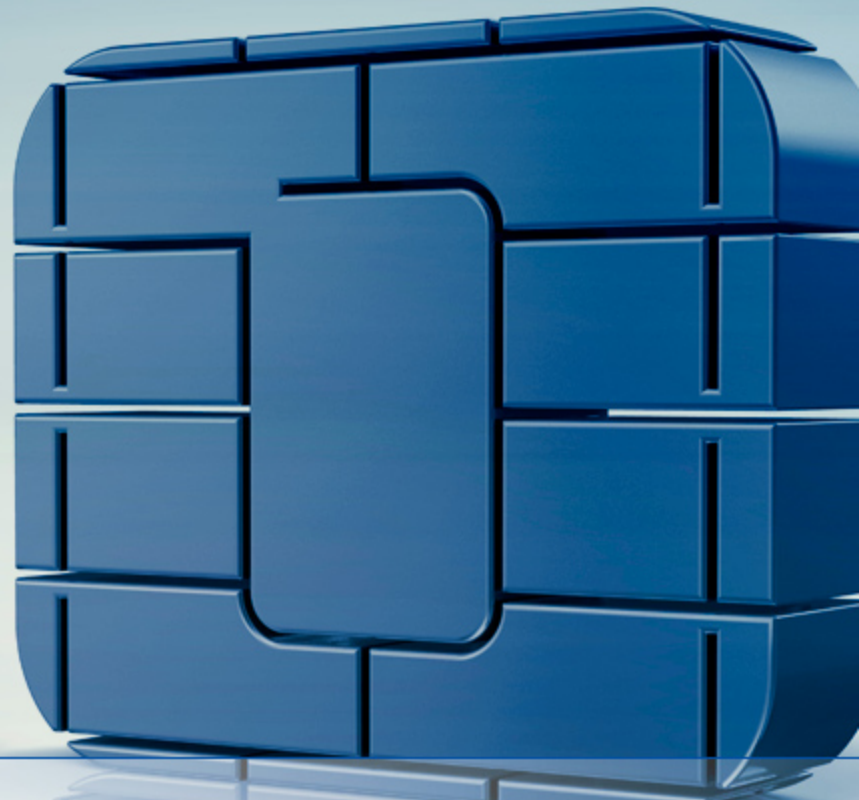


Discussion/Questions





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