



Government-wide Architecture for the Implementation of HSPD-12

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The HSPD-12 Mandate



Home Security Presidential Directive 12 (HSPD-12):
“Policy for a Common Identification Standard for Federal Employees and Contractors”
-- Signed by President: **August 27, 2004**

- ◆ **HSPD-12 has Four Control Objectives:**
- ◆ Issue Identification based on sound criteria to verify an individual’s identity.
- ◆ Strongly resistant to fraud, tampering, counterfeiting, and terrorist exploitation.
- ◆ Personal Identity can be rapidly authenticated electronically.
- ◆ Issued by providers who’s reliability has been established by an official accreditation process.





Government-wide Implementation Strategy



- OMB provides policy and implementation guidance.
- NIST provides HSPD-12 process and technical requirements (FIPS 201 and associated Special Publications).
- GSA (OGP and FAS) provides government-wide implementation and acquisition assistance, coordinates agency implementation through the Federal Identity Credentialing Committee, develops and tests interface specifications for interoperability, and serves as “Executive Agent for Acquisition” for approval of products and services for the implementation of HSPD-12.
- Interoperability of HSPD-12 systems across government is required. Agency implementation is controlled through Approved Product List, acquisition controls, and Standard Interface Specifications.
- GSA is designated to provide shared services and infrastructure for government-wide implementation (MSO).
- Extremely aggressive milestones are needed to maintain focus and momentum.

Key Milestones



Milestone Date	Agency/Department Requirement/Milestone
 August 27, 2004	HSPD-12 signed and issued
 Not later than 6 months (February 27, 2005)	NIST Issue standard (FIPS-201)
 Not later than 8 months following issuance of standard (October 27, 2005)	Compliance with FIPS-201 PIV I: Identity Proofing and Enrollment.
 October 27, 2008	Commence deployment of FIPS-201 compliant Identity Credentials (FIPS-201 Part Two). PIV-II
Convert all employees to PIV standard (October 27, 2008)	Compliance with FIPS-201 Part II for all employees and contractors.

GSA's Role – Executive Agent for Acquisition



- Establish FIPS 201 Evaluation Program to ensure that commercial products comply with all normative requirements of FIPS 201.
- Establish Approved Products List to publicly post all approved products/services requiring FIPS 201 compliance.
- Establish Integration Services Qualification Program for vendors to be qualified to provide integrated, bundled solutions and contractor managed solutions.
- Establish Special Item Number (SIN) 132-62 on GSA MAS IT 70 for FIPS 201 compliant products and qualified services.
- Provide full-range of qualified products and services to meet Agency implementation needs, including integration services.
- Test agency-specific implementations for compliance.



Status of GSA FIPS 201 Evaluation Program

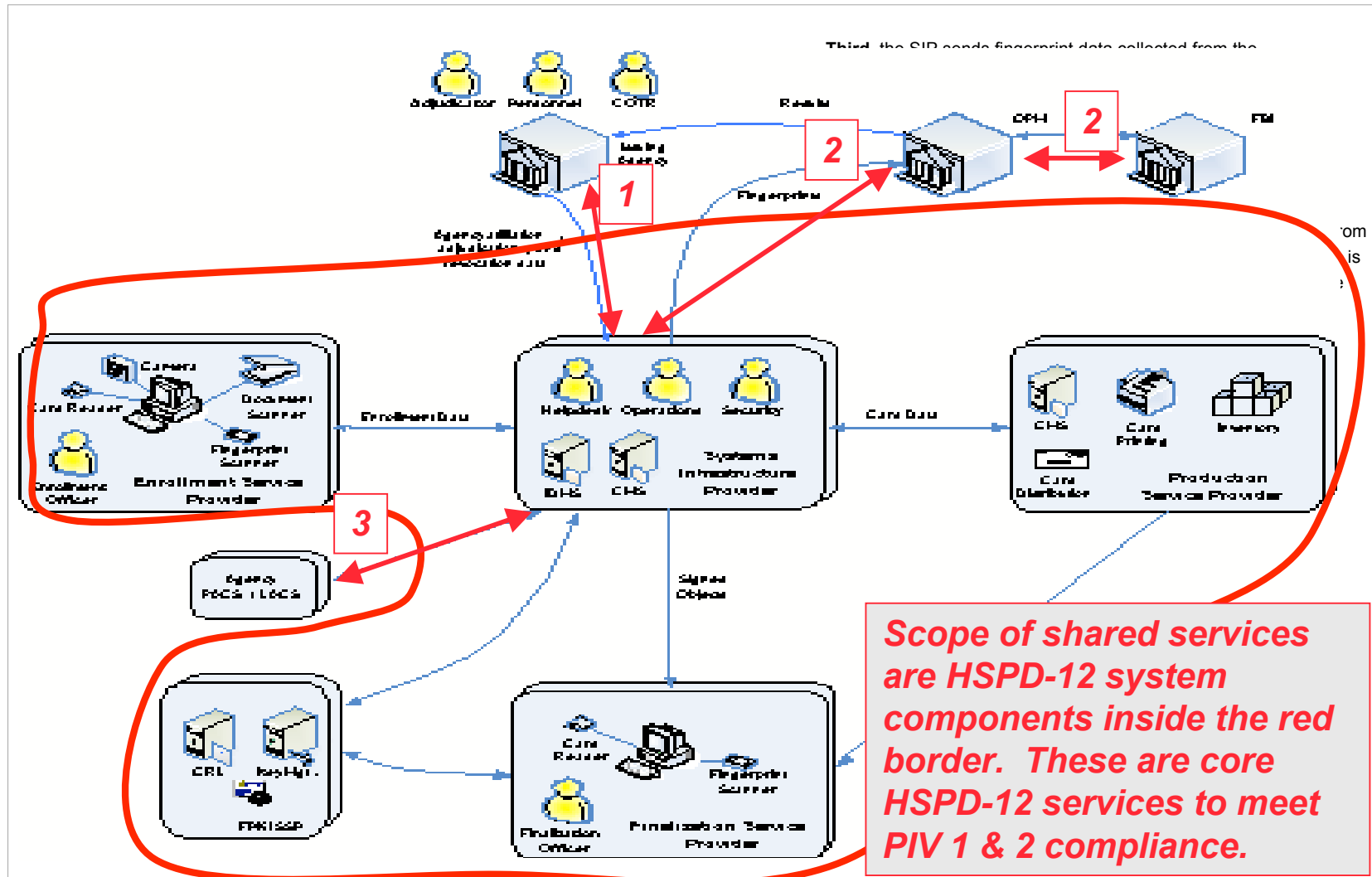
- OGP administers the FIPS-201 Evaluation Program to determine conformance to FIPS-201 normative requirements.
 - ✓ Certified laboratories perform all FIPS 201 compliance evaluations
 - ✓ OGP approves all evaluations and posts to Approved Product List
 - ✓ Approved Product List posted at <http://fips201ep.cio.gov/>
- GSA/NIST identified 22 categories of products/services which must comply with specific normative requirements contained in FIPS 201
 - ✓ e.g., PIV smart cards, smart card readers, fingerprint scanners, fingerprint capture stations, facial image capture stations, card printing stations, etc.
- Current product and services approvals:
 - ✓ 270+ products on FIPS 201 Approved Product List
- Current certified labs:
 - ✓ Attlan Laboratory, Infogard Laboratory
 - ✓ Several more lab certifications in progress



Status of HSPD-12 Interface Specifications

- Interface Specifications are needed for interoperability in order to successfully exchange data between HSPD-12 systems and systems components
- OGP established the inter-agency HSPD-12 Architecture Working Group in FY 2006 to develop Interface Specifications for government-wide use.
- 10 Interface Specification Documents have been developed and issued in final
 - ✓ All Interface Specifications are posted at <http://www.smart.gov/awg/>
- MSO is developing and currently testing Reference Implementation for the Agency – SIP (Systems Infrastructure Provider) Interface Specification.
 - ✓ The MSO Reference Implementation will be the standard for all MSO agencies to interface to EDS.
- Two new Interface Specifications are currently under development for MSO and government-wide use
 - ✓ SIP – OPM (Office of Personnel Management) for all fingerprint data to OPM and FBI
 - ✓ Back-end authentication for physical and logical access control (numerous use cases and Interface Specifications needed)

GSA HSPD-12 Shared Services Interfaces



HSPD-12 Federal Shared Enrollment Service

