

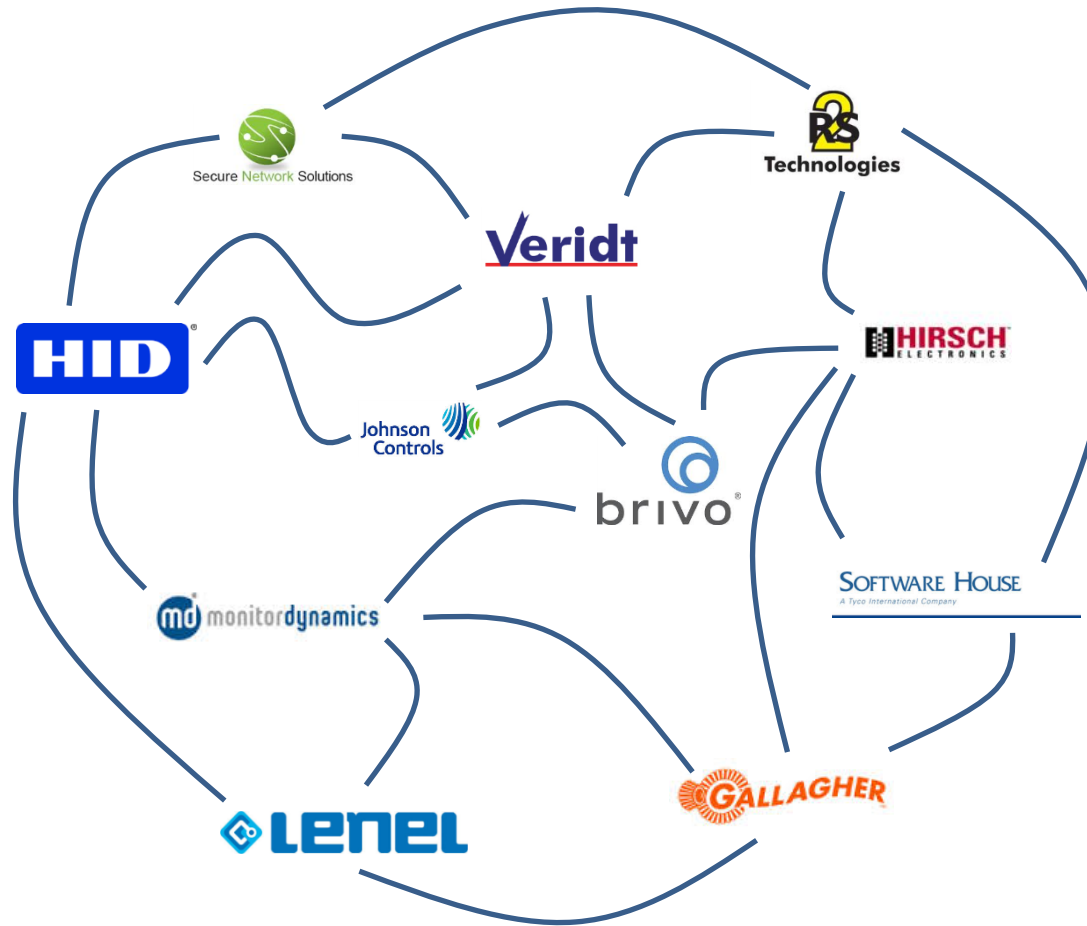
Introduction & GSA FICAM Test Lab Perspective

Jeff Nigriny

Physical Access Control Systems (PACS)



Physical Access Control Systems (PACS)



Agency-specific Solutions

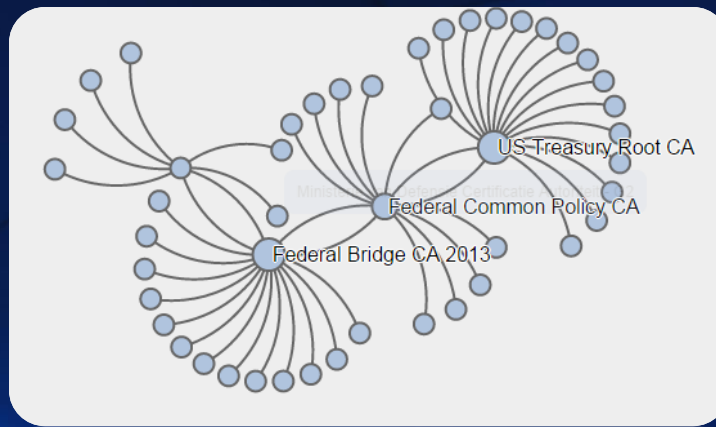
NIST



Agency-specific Solutions Building-specific Solutions

NIST

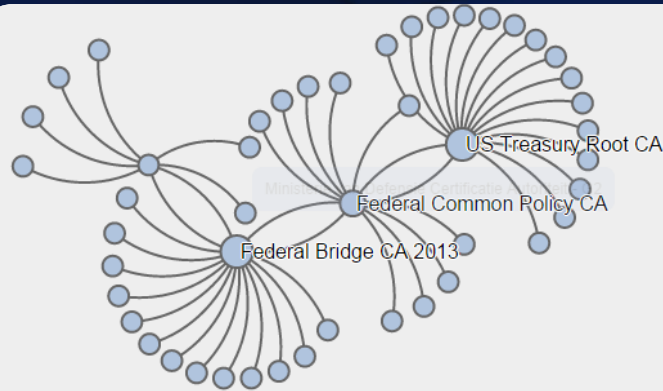




**Now account for the various issuers
across the Trust Topology**



SOFTWARE HOUSE
A Tyco International Company



Now accounting for all issuers
across the technology



NIST

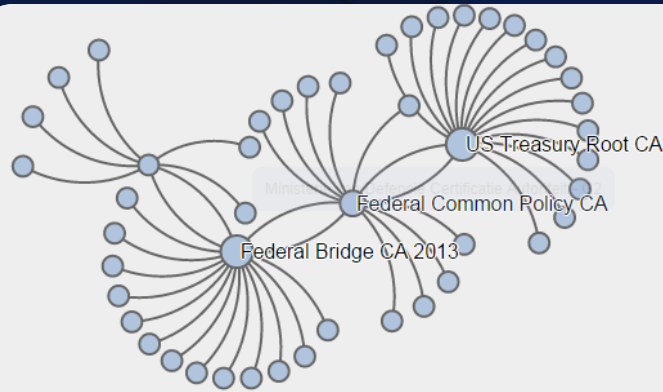


Challenges:

- Variability from $M^m:M^m$
 - $Vendors^{Cross\ Brand} \cdot Agency^{Each\ Bldg}$
- Variability that comes from M issuers of credentials
- Clear guidance and mandates
 - Must be uniformly known and understood
- Enforcement mechanisms



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FIPS 201 Evaluation Program

Chi Hickey

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 / FTP testing
- Help industry understand federal requirements and help agencies find conformant products



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 the 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.
- **NIST Special Publication 800-53:**
 - IA-5(15) The organization uses only FICAM-approved path discovery and validation products and services.
 - IA-8(3) The organization employs only FICAM-approved information system components in [Assignment: organization defined information systems to accept third-party credentials.
 - SA-4(10) The organization employs only information technology products on the FIPS 201-approved products list for Personal Identity Verification (PIV) capability implemented within organizational information systems



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.

How Testing Works

- Functional requirements
- Topologies
- Application Package
- [Idmanagement.gov](https://www.idmanagement.gov)



Update: PACS Spiral

- 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)
 - Product Series Testing
 - 20 readers approved
 - 300 potential configurations



Update: HSPD-12 SP Program

- GSA deployed HSPD-12 PACS Integrator Certification
- GSA PACS update in PBS-owned buildings 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



Schedule 70 & 84 Update

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



GSA Procurement & Implementation Perspective

Vincent Eckert