NIST Reader Workshop

Opening Discussion

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Today

- Discuss activities for the establishment of a QPL process for qualifying credential products,
- Solicit input from vendors & suppliers of credentialing product on the presented program,
- Share vendors & suppliers' experience with supporting credential programs.

We seek integrity to the TWIC program, synergy, and leverage with completed and ongoing PIV and PIV Interoperability investments & efforts.

TWIC

- Identify authorized individuals who require unescorted access to secure areas of Maritime Transportation Security Act (MTSA) regulated facilities and vessels,
- Determine the eligibility of an individual for access through a security threat assessment,
- Ensure unauthorized individuals are denied access through biometric confirmation of the credential holder,
- Revoke access promptly for individuals who fail to maintain their eligibility,
- Apply privacy & security controls to protect TWIC information,
- Fund the program entirely by user-fees.

… TWIC is part of a greater context

Symptoms … from recent Clippings & Conferences

- General Operations – Fraud, Insider Threat
- CC Losses – 9.3% of $3.4T 07; Cards – $42B 08; up 33% 1st Q
  - Total estimated impact $110-15B 08;
  - $4.7K per person, 30 hrs, some never correct; 18-23% Loss
- Identity Breach – 280M individual records in 2008; ID Malware Surges 600%
- System Breach – JSF, $200M IP
- Medical Record Breach – Fraud, Drugs, Blackmail
- Medical Theft / Certainty - Contributor to fraud, complications, death rate
- Identity Assumptions – Spouse/Child Support; Evasion; Employability
- Incident Mgt – Delayed Response, Confusion, Resource Visibility & Use
- Systems Cost – Program Centric: builds, modernization, infrastructure costs
- Fraud, Counterfeit, & Improperly Issued State & Federally Issued Breeder Documents:
  - DMVs, Passports, Vital Health Records, SSN,
  - Organizationally issued Credentials

Lack of Systems Thinking, the Lack of Understanding of Dependencies and Relationships between Communities and Systems – Cannot continue

Driving the Need and Evolution of Evolving National Strategy

Trends on Trust, Certainty ….

Policy – Trust between Federal & Non-Federally Issued Credentials
Standards & Guidance – Identity Proofing; “Levels” of Risk
Valuation – Real Benefits – “Total” problem
Performance in Operational Environment

- Economic impact, impact to business ops, maturity of technology
- Operational Utility – efficiencies, enhancements, multiplier

Certainty – Manufactures, Suppliers, Integrators, Informed Buyers

- Consistency of Requirements; if not consistent – visibility
- Consistency in Testing & Certifications

Funding – Clarifying Federal Grants Streams

Implications … a couple of thoughts

Separation of Identity from Privilege
Evolution from Program-Centric to Person-Centric Architecture

- Internal and External SSPs

Policy Drag and Necessary Change

- Non-Intelligent Media & Time-Based Policy
- Risk Based & Culture Shifting Pilots

PIV/PIV(I) Empowering Tools

- Modularization of Exchanges & Processes
- Multi-Use Enrollment & Mutual Registration
- Privilege Management in a Networked Environment
- Back-End Attribute Exchange / Attribute Repositories
- Smart Cells / PDAs / Secure Device; Encrypted Data at Rest

Leveraging Current Investments

- Now that I have a credential – so What …
- Practical Applications, Incremental Gains, Quality of Life & Service

PIV/PIV(I) Interoperable Identity Media – Moving Beyond “Cards”

Community Vision ?

- Where do we want to be over time?
- Existing Process & Procedures
  - Shift from Federal Centric to Commercial Market
  - Leveraging Existing
- Interoperability over time
- Systemic Applications vs Component Strategy?

How do support TSA Objectives … and Align Strategically

Today's Business - Change

- How do we recognize a time of significant change
- How so we address core issues of change?
- How can do we lead in a time of change?
- How do we leverage this opportunity as a community?

What do we really want to get done before we go?
What do we need to do? What do we need to know? What needs to be organized, planned, work-loaded?