

PSCR 2010 Winter Conference

Access, Cyber Threat, and Identity Management



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NGC's IDM PIV-I Approach – Current State



NGC Federated Common Identity Policy:

- Smart Card & Electronics (GSA Certified)
 - FIPS 201 (SP 800-85B) Electronics Testing
 - PIV 2 Applets & Middleware
 - Auditor OMB / Card & Electronics
- FIPS 201 Process Lifecycle (ATO)
 - Stakeholders, Process, Training (SP 800-79, 800-53/53A)
 - All FIPS 201 (GSA ABL) Compliant equipment
 - Auditor Electrosoft (GSA's Agency Auditor)
- CertiPath PKI (Certified)
 - Cross certified to Federal Bridge
 - Bi-Lateral Trust with DOD (JITC)
 - Auditor DoD's PKI Auditor
- Key Recovery Practice Statement (KRPS) (Certified)
 - Cross certified to Federal Bridge
 - Direct Bilateral Trust with DOD (JITC)
 - Auditor DoD's PKI Auditor

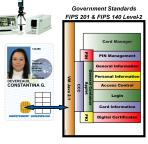
IDM Solutions:

A single device that supports multiple authentication methods and enforces IDM polices across the enterprise

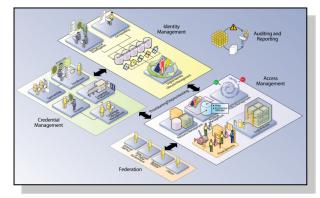
Key Features

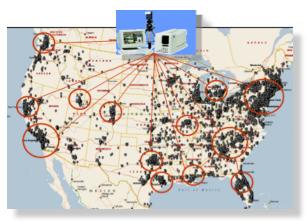
- Layered Technology Approach (When contract or security requires)
- One Time Password (Remote Access)
- Cross Certified CertiPath Certificate (Replacement of ECA Certificates)
- Desktop Middleware (2 or 3 factor Authentication)
- Single Sign-on (Password Vault)

Components & Infrastructure:



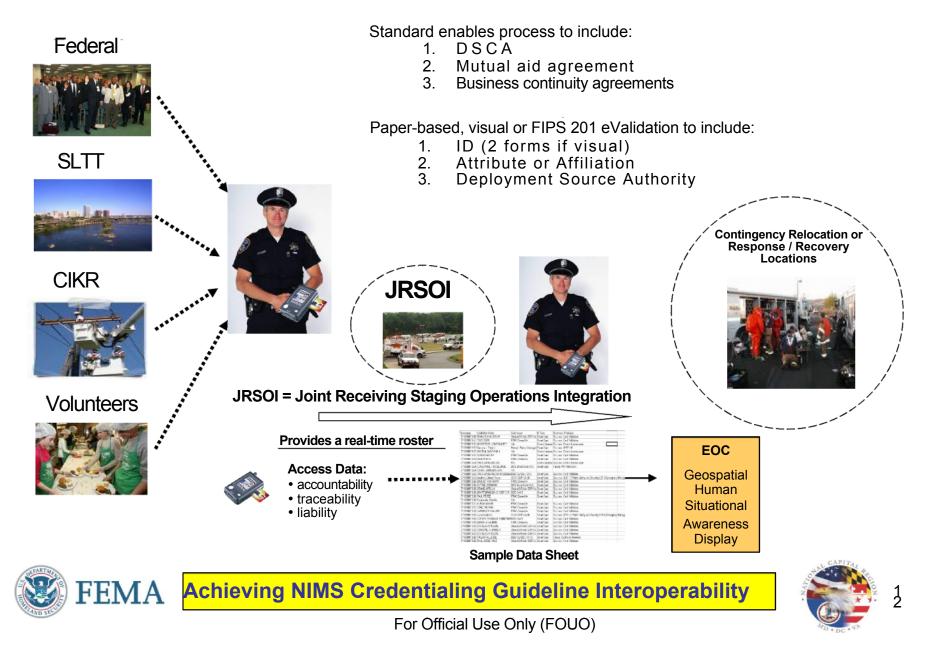
ICAM Architecture







CAC / PIV / PIV-I eValidation Process



Next Steps: Information Assurance and Secure Collaboration "Illustrative" Full Scale Federated Exercise

• Strategic Goals

• NSTIC GOALS 1, 2 & 3:

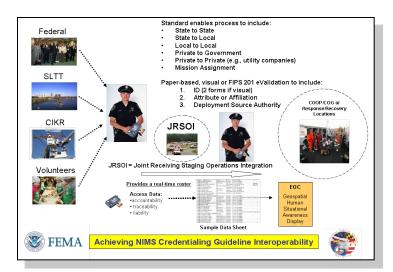
- Develop a comprehensive Identity Ecosystem Framework
- Build and implement an interoperable identity infrastructure aligned with the Identity Ecosystem Framework
- Enhance confidence and willingness to participate in the Identity Ecosystem
- TSCP GOAL 1 & 3:
 - Enable secure information sharing within and between industry and governments
 - Define interoperable specifications and solutions that enable reuse in a cost-effective manner across multiple programs

• Business Case

- Federated Common Identity Policy: TSCP Policies and Specifications align with DOD and Federal Identity Policies
- Multi-Factor Security: Multi-Factor approach to provide additional security layers across our networks, systems, facilities, data, intellectual property and information assets
- Cost Control and Recovery: Enterprise cost savings through enterprise deployment of TSCP Specifications while at the same time recover the cost of our investments

• Sample Use Case Scenarios Include:

- Use Case 1: Identity interoperability (federation) of multi-level identity authentication across government & company domains
- Use Case 2: Identity Authentication at emergency venues to positively and securely authenticate authorized users for logical & physical access
- Use Case 3: Employees of critical businesses who work and/or reside in the impacted areas
- ✓ Use Case 4-6: Disaster Recovery, Pandemic & Cyber Threats Exercise



Potential Partners include:

- ✓ TSCP member Companies
- ✓ DOD
- ✓ Department of Homeland Security
- ✓ FEMA
- ✓ State of Virginia (Governors Office)
- ✓ City of Newport News (VA)
- ✓ City Hampton Roads (VA)
- ✓ District of Columbia Metro
- ✓ State of Illinois
- ✓ City of Chicago
- ✓ Port of Chicago, O'Hare Airport
- ✓ N.Y. Port Authority
- ✓ NIST (700 MHz Test Bed)?

Transglobal Secure Collaboration Program (TSCP)

- Government-industry partnership specifically focused on mitigating the risks related to compliance, complexity, cost and IT that are inherent in large-scale, collaborative programs that span national jurisdictions.
- To do business in the world today, A&D companies must balance the need to protect intellectual property (IP) while demonstrating willingness and ability to meet contractual requirements from government customers for auditable, identity-based, secure flows of information.





Common Framework for Federated Collaboration

- Identity Management & Information Assurance:
 - Provide assurance that collaborative partners can be trusted
 - · Meet government agencies' emerging requirements for identity assurance across domains
 - Establish common credentialing standards that accommodate and span national jurisdictions
 - Protect personal privacy data of employees
- Data Protection:
 - · Define fine grain access right attributes for data labeling and data right's management
 - Establish "Application Awareness"
 - · Demonstrate compliance with export control regulations
 - · Protect corporate IP in collaborative and other information sharing programs
- Facilitate Secure Collaboration:
 - · Provide collaborative toolsets that will interoperate with customers and suppliers
 - · Facilitate re-use collaborative capabilities among multiple programs



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