

# Now that I have it, how can I use it?

## HSPD-12 and the PIV Credential

**Steve Duncan**  
**Director**  
**Center for Identity Management &  
Information Assurance**

**August 2009**

## Agenda

- Who are we
- About the USAccess Program
- Where we are going
- How are we getting there
- Practical applications
- Acquisition Options & Resources

Identity Management &  
Information Assurance  
USAccess Program  
E-Authentication

**Infrastructure  
Optimization**

Strategic Solutions  
SmartBUY  
.GOV Domain

Emerging Technologies  
Data Center Optimization  
Sustainability, Cybersecurity,  
Cloud Computing

## Establishing the USAccess Program

- 09/06: Managed Services Office established
  - 10/06: Initial capability implemented
  - 02/07: New infrastructure acquisition
  - 08/07: First Enrollment Station installed and Credential issued
- Results to date
  - 71 Agencies, commissions and boards participating
  - Over 490,000 identity accounts as of August 1, 2009
  - 2nd largest Identity Management Service behind DOD

## USAccess Program Overview

- Allows agencies to share a common identity and credential management infrastructure
- Provides FIPS 201 compliant Federal credentials through uniform issuance processes and enrollment services
- Leverages a central infrastructure for enrollment and activation, PKI and credential personalization
- Built on a robust and secure standards-based architecture with high availability and disaster recovery capabilities

# A STRONGER AMERICA THROUGH TECHNOLOGY

2009 Network Services Conference  
NEW CHALLENGES  
NEW OPPORTUNITIES

## USAccess Nationwide Footprint



# A STRONGER AMERICA THROUGH TECHNOLOGY

2009 Network Services Conference

## NEW CHALLENGES NEW OPPORTUNITIES

### Where do we go?

*The Federal government...*

- *following the guidance of Homeland Security Presidential Directive 12 (HSPD-12), is seeking to leverage the federal interoperable identity credentialing mechanism across the federal enterprise.*
- *should ensure resources are available for full federal implementation of HSPD-12.*
- *should consider extending the availability of federal identity management systems to operators of critical infrastructure and to private-sector emergency response and repair service providers for use during national emergencies.*

**May 2009**



#### CYBERSPACE POLICY REVIEW

Assuring a Trusted and Resilient Information  
and Communications Infrastructure



## ICAM Roadmap and Architecture Development Goals and Objectives

- Government-wide implementation of OMB M-04-04
- Physical and Logical Access Control
- Consolidation of credentialing and authentication capabilities to comply with OMB M-06-22 [3]
- Developing clearly-defined processes and capabilities for enabling trust across the Federal government and between its external constituencies

## The Path to Get There

- Distributed Credential Operations (DisCO):
  - Activation
  - Enrollment
- Business Model Expansion:
  - Enrollment Broker
  - Fingerprint Collection Service
  - Expand PKI capabilities

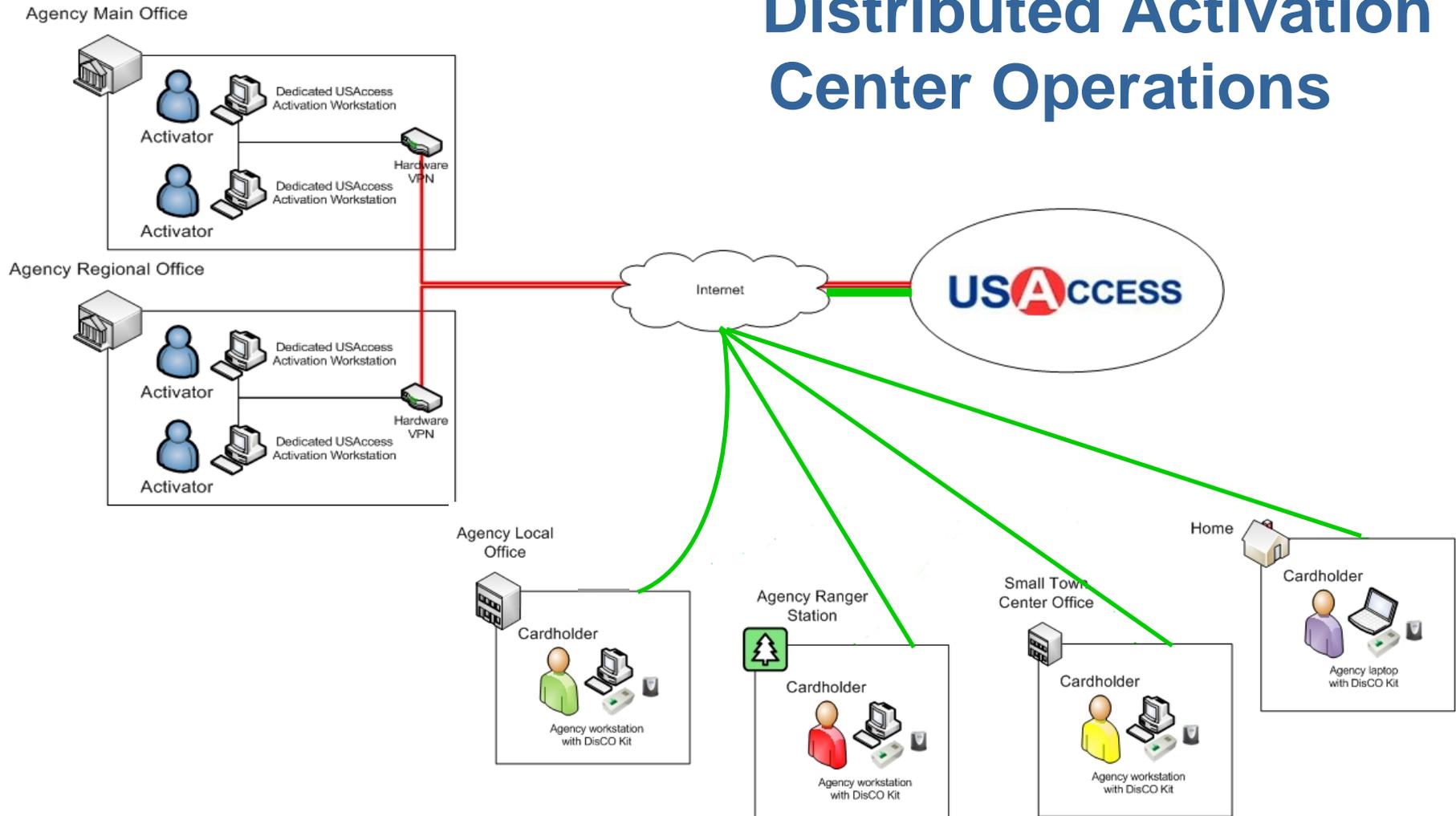
***Enhancements reduce the need for agency redundant infrastructure and improve security***

# A STRONGER AMERICA THROUGH TECHNOLOGY

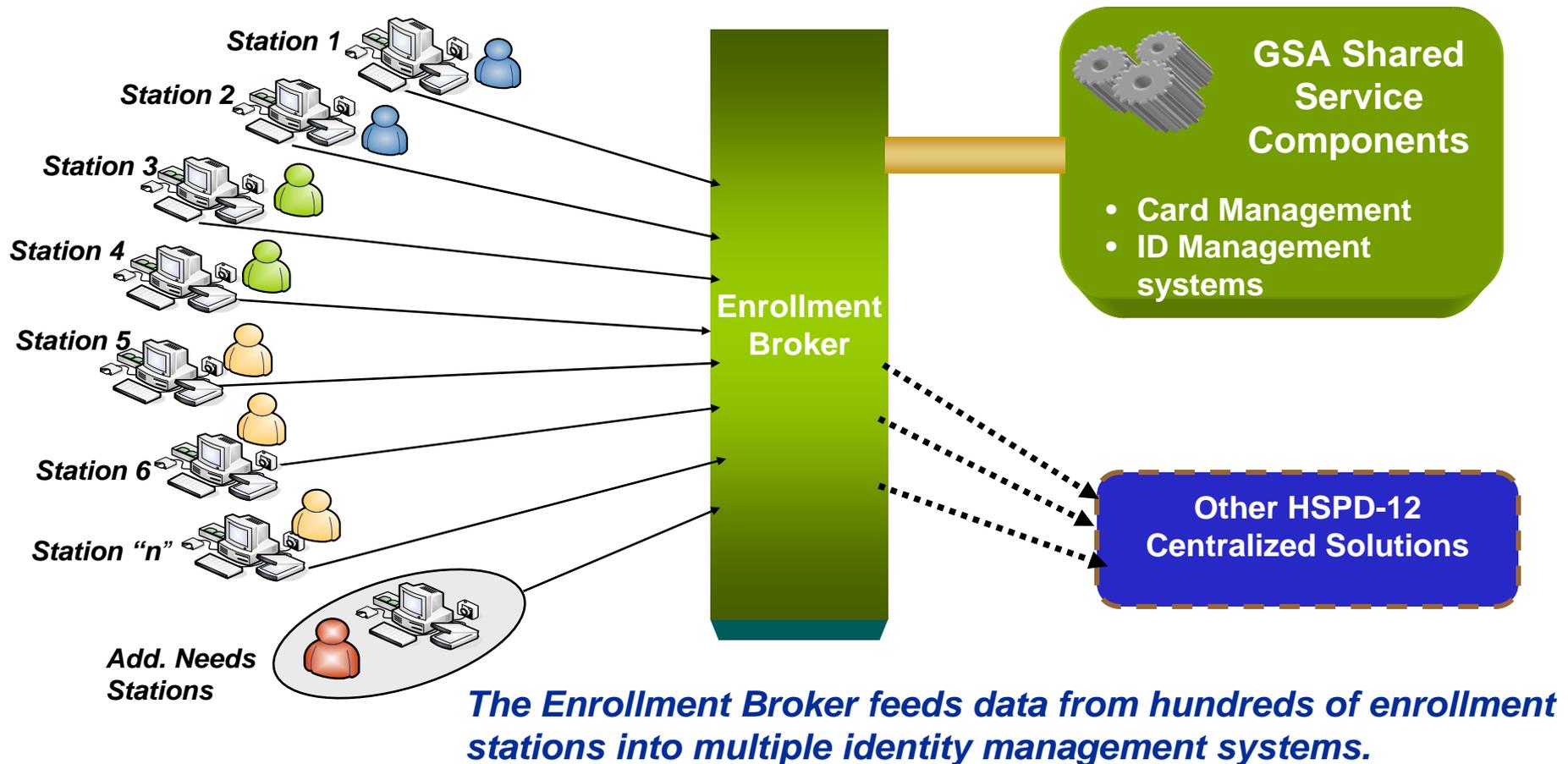
2009 Network Services Conference

## NEW CHALLENGES NEW OPPORTUNITIES

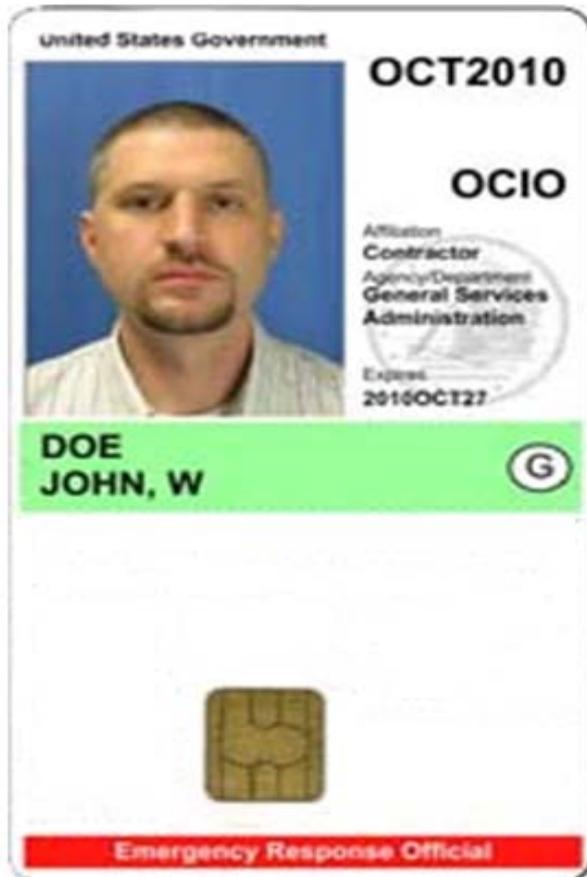
# Distributed Activation Center Operations



## Extending the Business Model



## Practical Applications: Gaining Efficiencies



- Logical Access Control Systems (LACS)
- Physical Access Control Systems (PACS)
- Interfaces with agency “authoritative” data source system

## A Unified Approach to Enterprise Identity Management

➤ *Problems:*

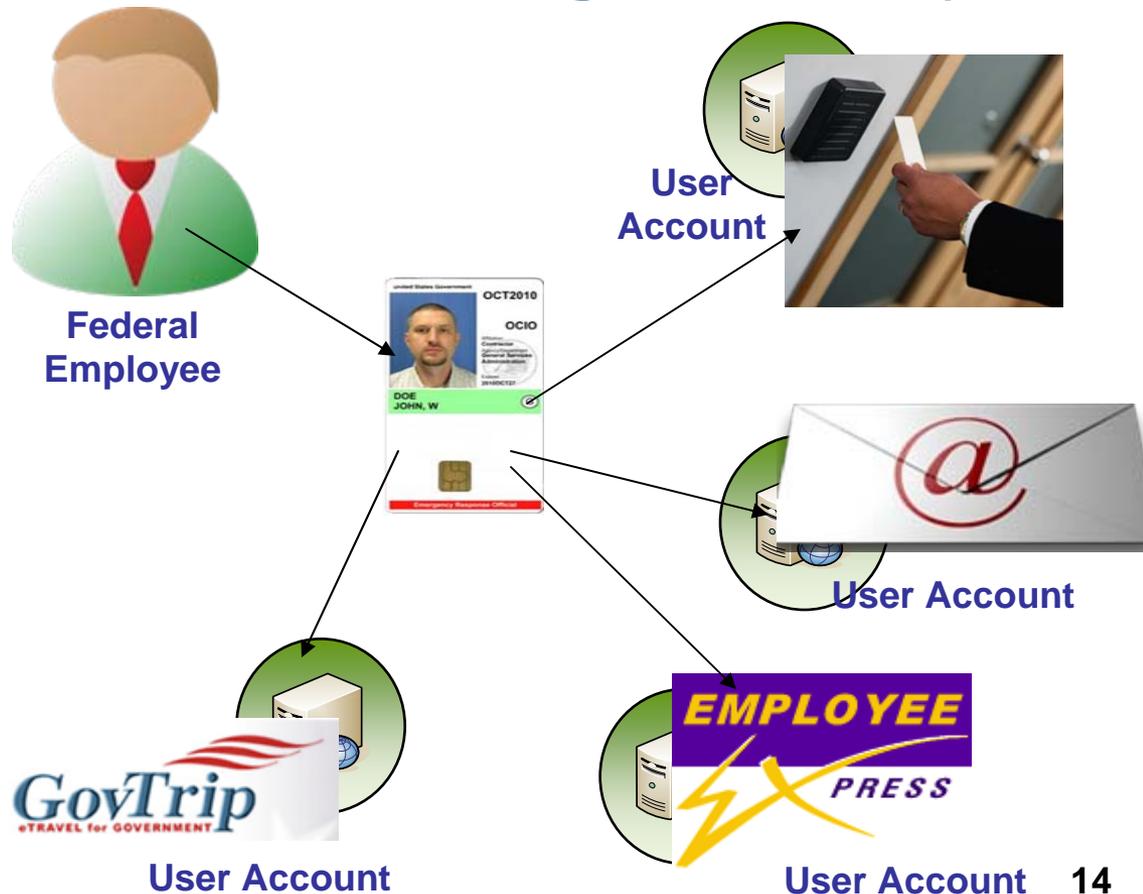
- End users need access to multiple agency applications, systems and email, and end up with multiple UID/PWs
- Creates an error prone environment; repetitive data entry and data management burdens on agency IT department
- Too costly to manage multiple identities for both logical and physical access



## Enterprise wide streamlined single identity; single credential

### ➤ Solution

- Single user Credential to grant access privileges to agency systems and buildings (LACS/PACS)
- Facilitates automation of routine business processes utilizing a centralized architecture
- Reduces burden on Help Desks and overall IT operating costs



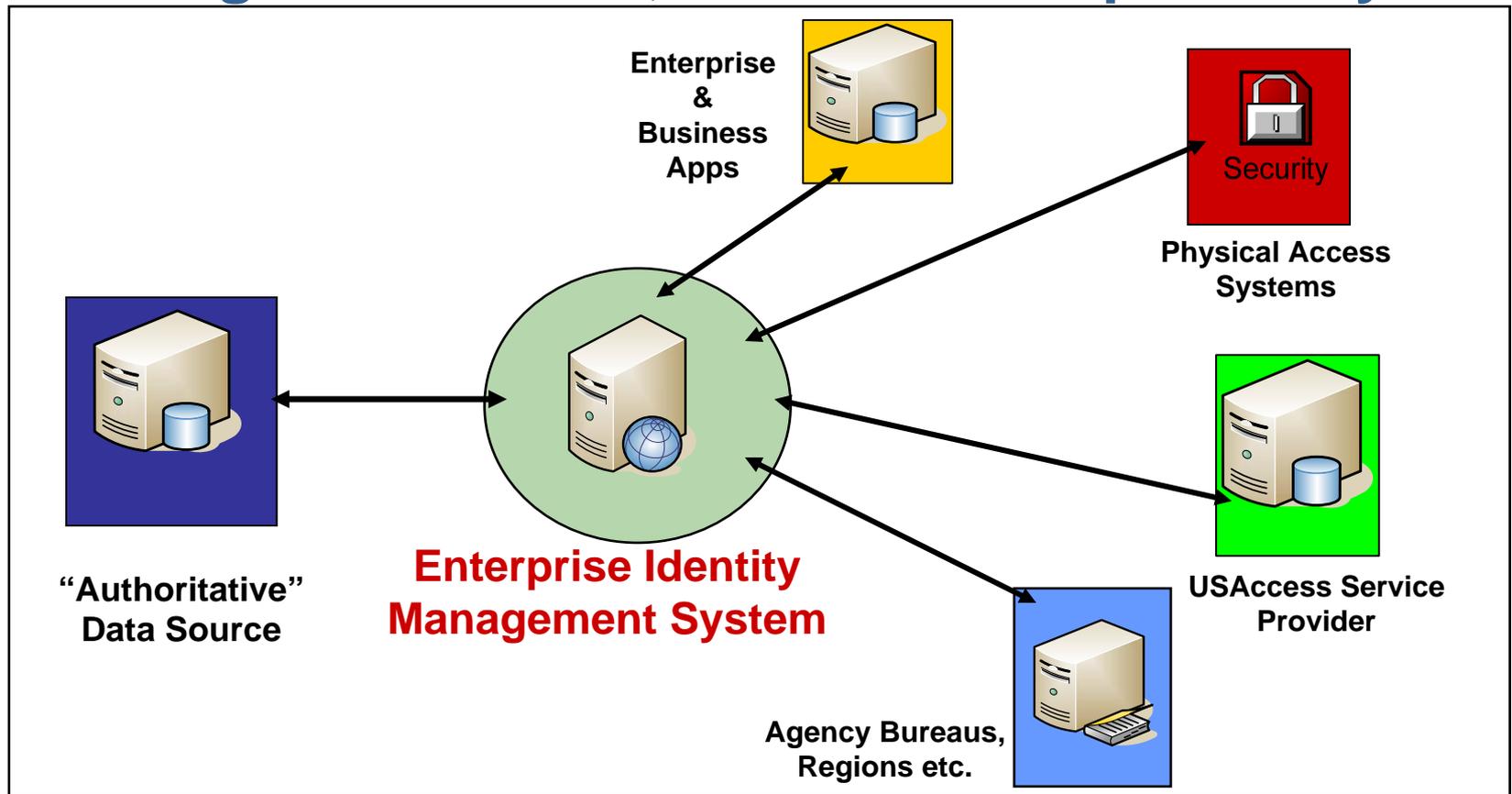
## Manual Data Input

➤ *Problems:*

- Too many data sources that don't talk to each other
- Manually re-keying data
- Takes too long
- No "authoritative" source - is it the HR System or Payroll System or IT Directory...?



### Controlling Data Source, Eliminate Disparate Systems



## Acquisition Options

- The USAccess Program is a direct buy from GSA's HSPD-12 MSO
- IT Schedule 70
  - SIN 132 60a-f: all assurance level electronic identity credentials, hardware tokens, managed validation services, professional services and more
  - SIN 132-61 Public Key Infrastructure (PKI) Shared Service Providers (PKI SSP) Program
  - SIN 132-62 Homeland Security Presidential Directive 12 Product and Service Components



2009 Network Services Conference

NEW CHALLENGES  
NEW OPPORTUNITIES

## Additional Resources for Identity Management (IdM)

Web Address	Resource Description
<a href="http://www.fedidcard.gov/">http://www.fedidcard.gov/</a>	USAccess program description, ordering information, tools and other useful documents
<a href="http://www.idmanagement.gov">http://www.idmanagement.gov</a>	Federal government portal for finding Identity Management resources
<a href="http://www.smart.gov/iab/">http://www.smart.gov/iab/</a>	Interagency Advisory Board for Smart Cards reference information
<a href="http://fips201ep.cio.gov/apl.php">http://fips201ep.cio.gov/apl.php</a>	Approved Products List for FIPS 201 compliant products used in the deployment of HSPD-12
<a href="http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA_OVERVIEW&amp;contentId=25746">http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA_OVERVIEW&amp;contentId=25746</a>	Umbrella page on www.GSA.gov linking to various HSPD-12 related resources
<a href="http://www.gsaelibrary.gsa.gov/ElibMain/ScheduleList?catid=360&amp;famid=3&amp;sched=yes">http://www.gsaelibrary.gsa.gov/ElibMain/ScheduleList?catid=360&amp;famid=3&amp;sched=yes</a> <a href="http://www.gsaadvantage.gov">http://www.gsaadvantage.gov</a>	Acquisition Vehicles on IT Schedule 70



2009 Network Services Conference

NEW CHALLENGES  
NEW OPPORTUNITIES

## Further Information

Steve Duncan  
Director

Center for Identity Management and  
Information Assurance

Stephen.Duncan@gsa.gov

P: 703-605-3492

C: 703-350-6840

[www.fedidcard.gov](http://www.fedidcard.gov)