

# Interagency Advisory Board

*Meeting Agenda, Wednesday, June 29, 2011*

1. **Opening Remarks** (*Mr. Tim Baldrige, IAB Chair*)
2. **Using PKI to Mitigate Leaky Documents** (*John Landwehr, Adobe*)
3. **The Digital Identity Ecosystem of the States: Leveraging Federal Initiatives** (*Doug Robinson, NASCIO*)
4. **Achieving Federal Identity Compliance in PACS Without a Rip-and-Replace Investment** (*Dave Adams, HID*)
5. **Aviation Credentialing and the New RTCA Standard 230C** (*Christer Wilkerson, AECOM*)
6. **Closing Remarks** (*Mr. Tim Baldrige, IAB Chair*)

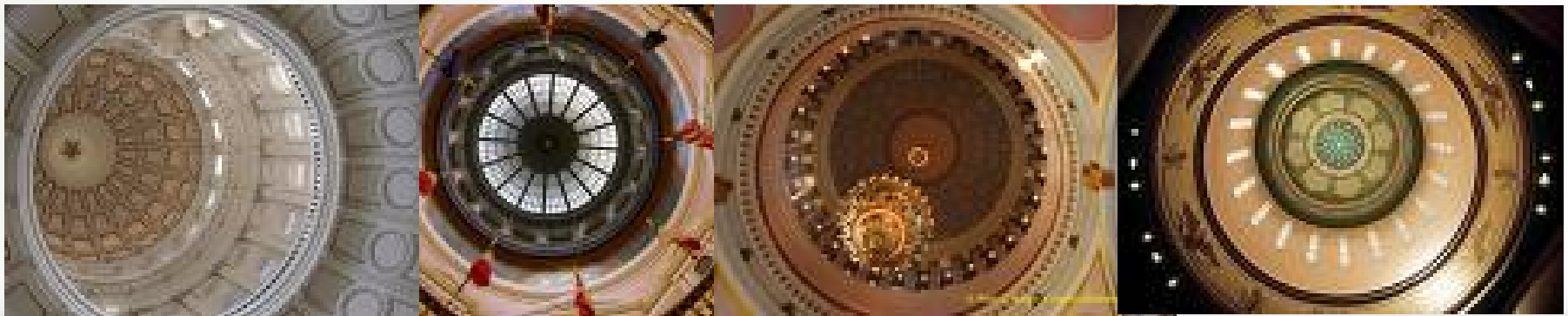
# The Digital Identity Ecosystem of the States: Leveraging Federal Initiatives

**Government Smart Card  
Interagency Advisory Board (IAB) Meeting  
June 29, 2011**

**Doug Robinson, Executive Director  
National Association of State Chief Information Officers**

# About NASCIO

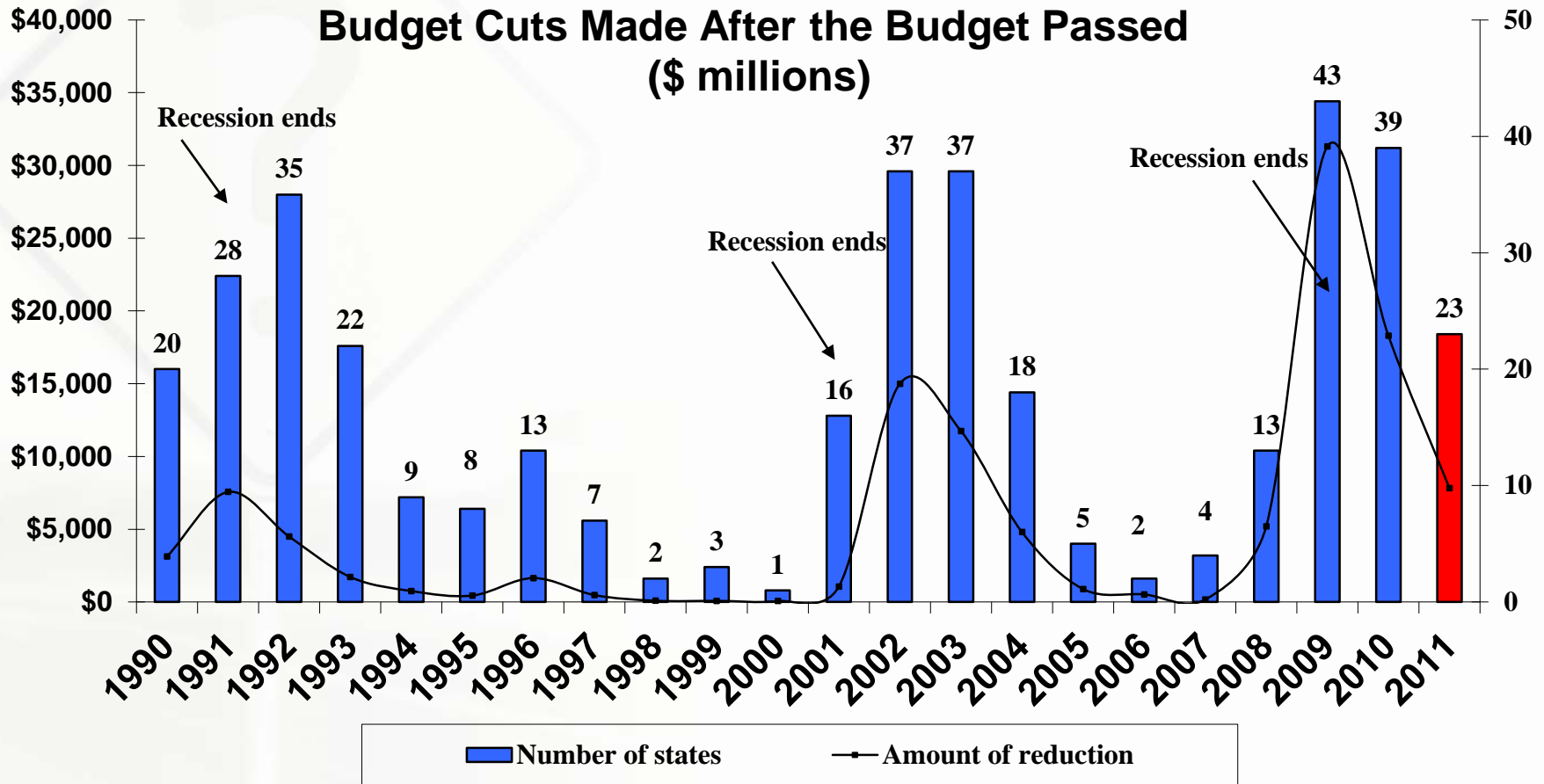
- National association representing state chief information officers and information technology executives from the states, territories and D.C.
- NASCIO's mission is to foster government excellence through quality business practices, information management, and technology policy.
- Founded in 1969 – we're a legacy system



# State IT Landscape Today

- ✓ **Tough Times:** dealing with slow fiscal recovery, forced budget reductions, spending reductions, personnel actions
- ✓ CIOs seeking IT operational cost savings
- ✓ Continued **consolidation** - IT infrastructure, services and more
- ✓ Living with the past - modernizing the **legacy**
- ✓ IT security and **risk!** Game has changed
- ✓ IT **workforce:** retirement wave, skills, recruiting
- ✓ Issues with federal program funding: cost allocation, **inflexibility**, constraints, lack of harmony

# Mid-Year Budget Cuts Decline

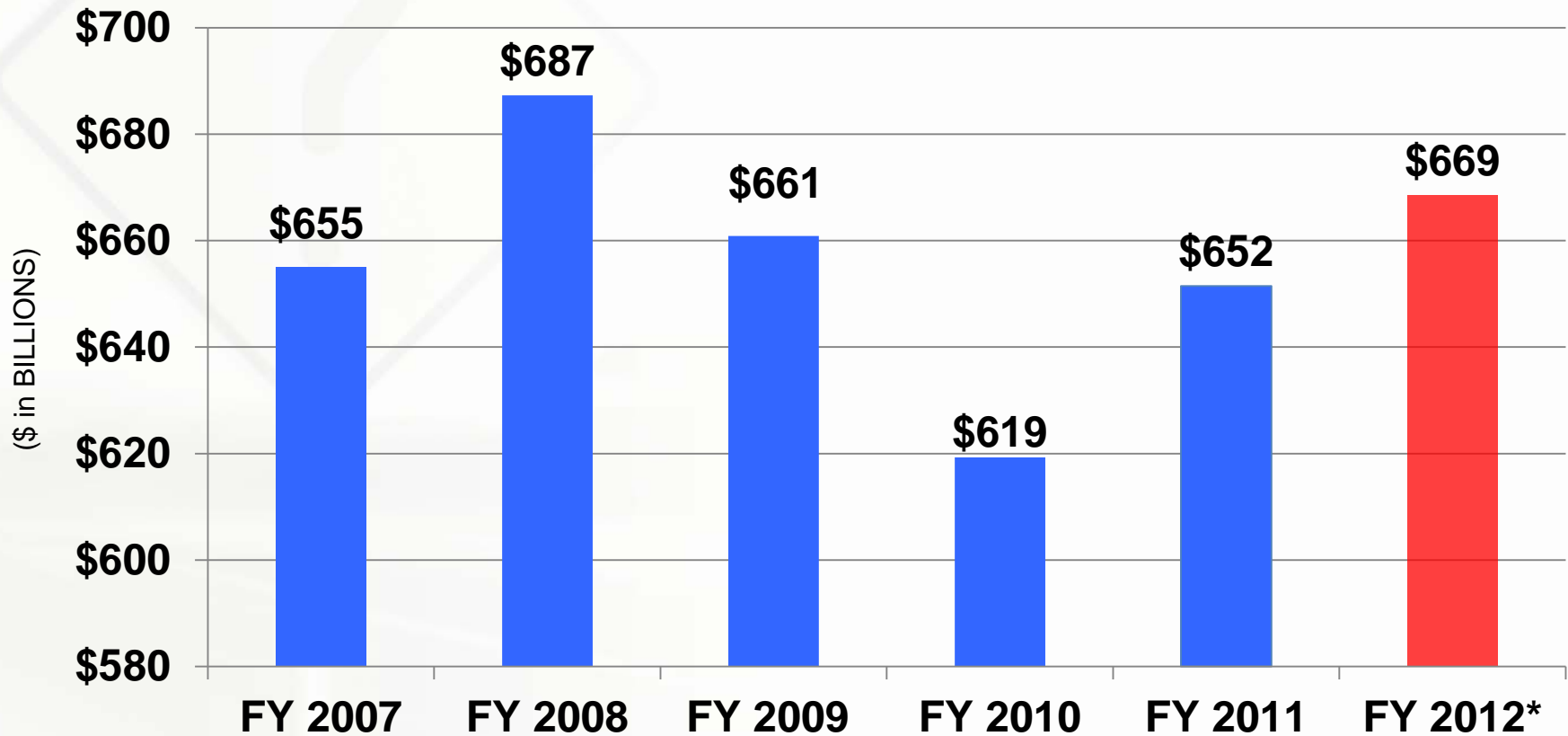


\*FY 2011 mid-year budget cuts are ongoing

Source: NASBO Spring 2011 Fiscal Survey

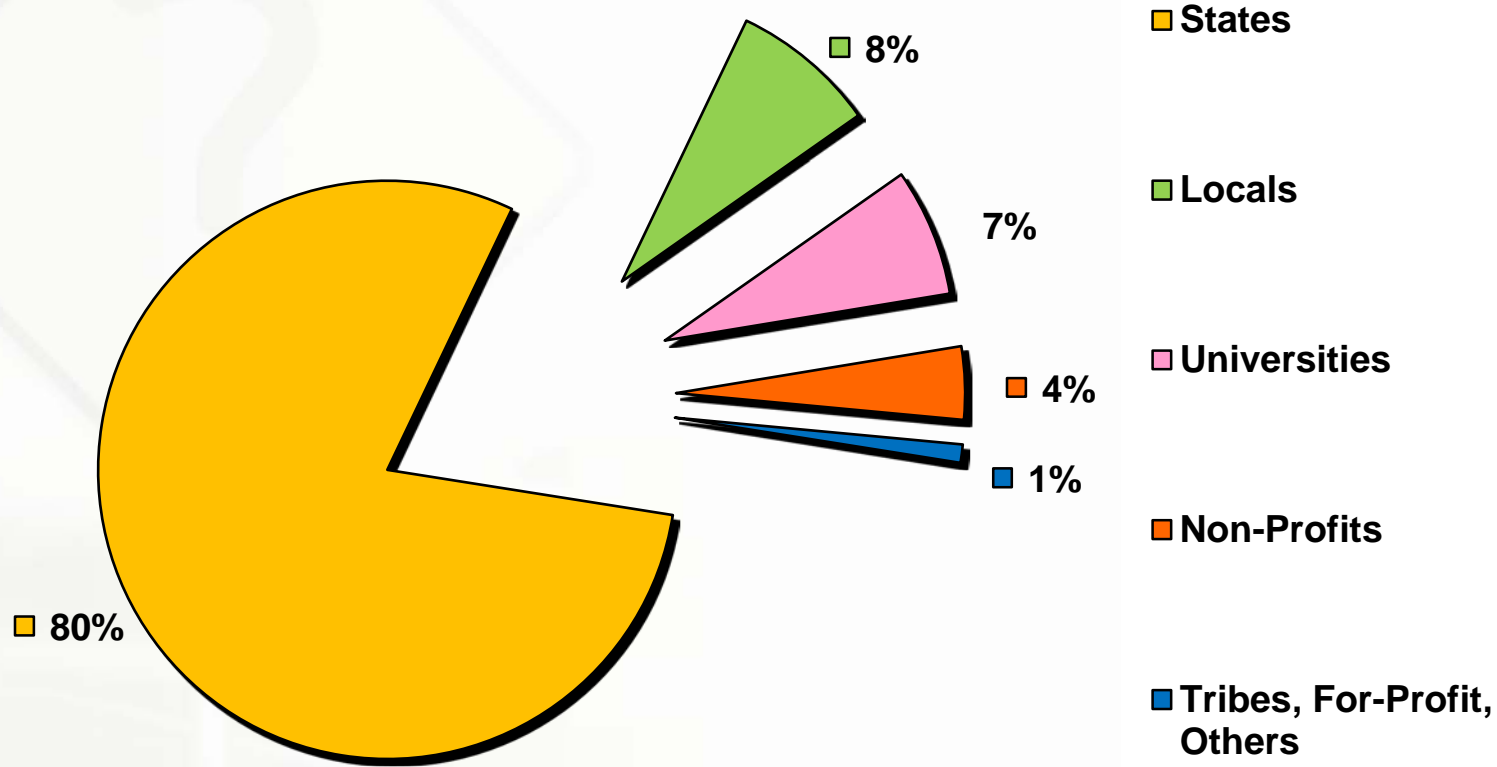
# FY 2012 Proposed Spending is \$18 Billion Less than FY 2008

General Fund Spending: FY 2007-FY 2012 (in billions)



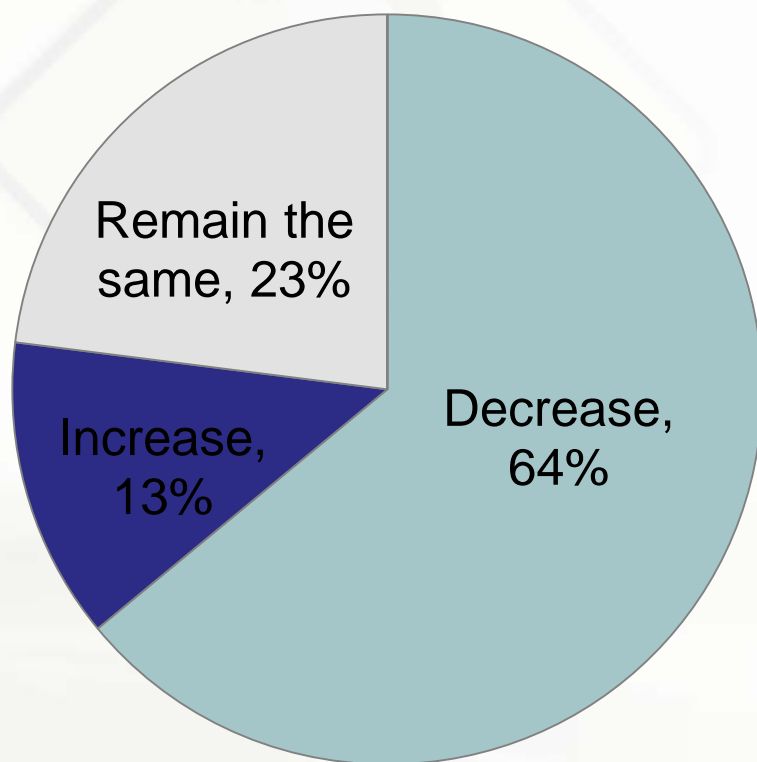
\* FY 2007, 2008, 2009 and 2010 are actual. FY 2011 is estimated and FY 2012 is proposed..

# Distribution of Federal Grants



**2011 US BUDGET - \$3.8 TRILLION    GRANTS- \$586 BILLION**

# CIOs' view on IT budgets for 2011–13



- As state budgets go down, so does funding for IT
- A few exceptions: ARRA & mandates
- Many CIOs see budget decreases as an **opportunity** to improve by breaking down barriers, strengthening IT governance, developing creative solutions

Source: NASCIO-TechAmerica 2010 State CIO Survey, August 2010

# Do you expect your IT budget to be...

- 58% • Cut
- 16% • Increased
- 13% • Stay the same
- 13% • Still deliberating

# State CIO Priorities for 2011

- 1. Consolidation / Optimization:** centralizing, consolidating services, operations, resources, infrastructure, data centers
- 2. Budget and Cost Control:** managing budget reduction, strategies for savings, reducing or avoiding costs, activity based costing
- 3. Health Care:** the Affordable Care Act, health enterprise architecture, assessment, partnering, implementation, health information exchange, technology solutions, MMIS
- 4. Cloud Computing:** as a service delivery strategy; models, governance, service management, provisioning, security, privacy, data ownership
- 5. Shared Services:** business models, sharing resources, services, infrastructure, independent of organizational structure
- 6. Governance:** improving IT governance, data governance, partnering
- 7. Security:** risk assessment, governance, authority and executive support; budget and resource requirements; insider threats; third party security practices; frameworks
- 8. Broadband and Connectivity:** strengthening statewide connectivity, public safety wireless network, telehealth
- 9. Legacy modernization:** enhancing, renovating, replacing, legacy platforms and applications, business process improvement
- 10. Data and Information Management:** enhancing the role of data, information/intelligence, knowledge management

*Italics:* New to list for 2011

Source: NASCIO State CIO Survey, October 2010

# Priority Technologies, Applications and Tools

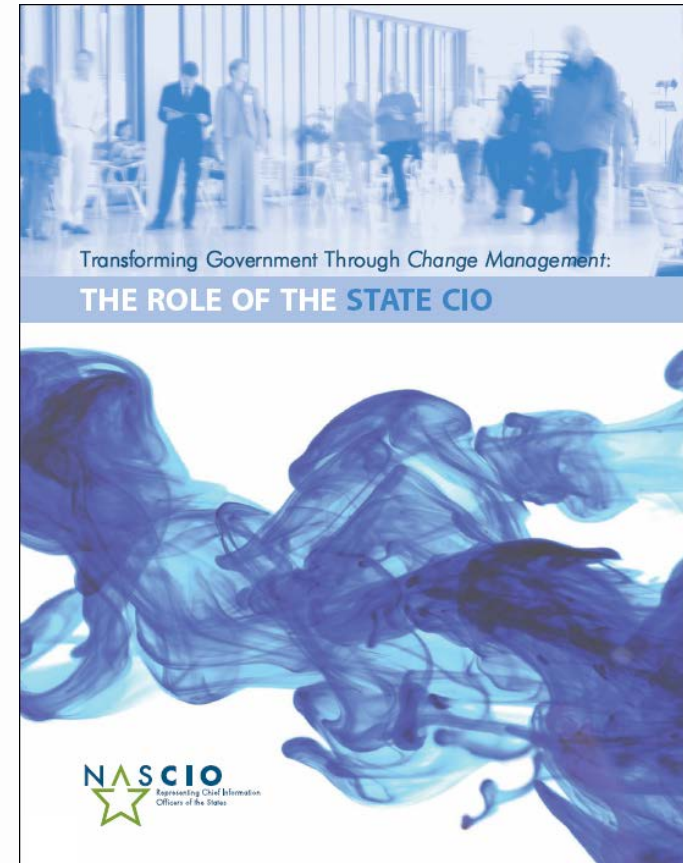
1. **Virtualization** (servers, storage, computing, data center)
2. **Cloud computing** (software as a service, infrastructure, applications, storage)
3. **Networking** (voice and data communications, unified communications)
4. **Legacy application modernization / renovation**
5. **Identity and access management**
6. **Document/Content/Records/E-mail management** (active, repository, archiving, digital preservation)
7. **Security enhancement tools**
8. **Business Intelligence (BI) and analytics applications**
9. **Enterprise Resource Planning (ERP)**
10. **Social media and networking** (Web 2.0 services, wikis, blogs, collaboration technologies, and social networking)

Source: NASCIO State CIO Survey, October 2010

# State CIOs Recognize the Challenge

**“Every aspect of our work across the states and with NASCIO has a dependency directly related to identity and credential management.”**

- Stephen Fletcher  
NASCIO Immediate Past President and  
Chief Information Officer, State of Utah



# Why Identity Management is a Top Priority



Supports national framework for interoperability providing interoperability and trust across multiple jurisdictions.



Promotes state enterprise approach: avoids silos, avoids proprietary solutions. Adoption of the standards will reduce redundant credentialing efforts and expenditures.



Follows the great work the states have led in improving drivers license issuance. FIPS 201 has a standardized identity proofing process and standardized issuance procedures. Provides strong proof of cardholder identity.



Supports multiple applications & legacy infrastructure: issue once, use many times.



Enables standards-based provisioning of access management and auditing

# Digital Identity and the States

- States - nucleus of identity for individuals
- Identity - basis for providing services and sharing data across agencies
- Issue identity credentials - too many!
- Create identity silos
- Lots of technical, operational, policy and legal questions to resolve

States need a national framework for interoperability: a trusted federated identity model



# JEOPARDY!

British Literature

U.S. Lakes

Words that end in "tion"

Before & After

Broadway Shows

Australian Animals

100

100

Identification

100

100

100

200

200

Authentication

200

200

200

300

300

Authorization

300

300

300

400

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Minimization

400

400

400

500

500

Collaboration

500

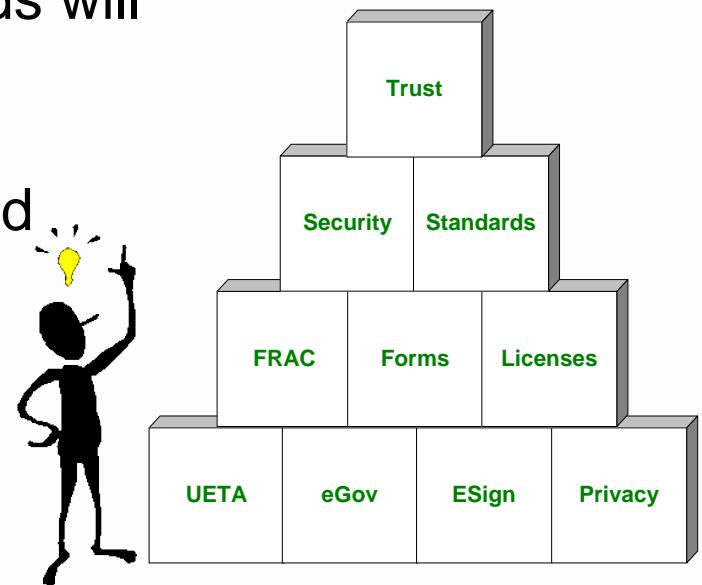
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# Targets of Opportunities

(more words that end in *tion*)

- **Standardization:** IT and identity management costs driven by complexity and diversity – seek commodity solutions, encourage reuse. Need to align with Federal initiatives like NSTIC.
- **Rationalization:** Adoption of standards will reduce redundant credentialing efforts and expenditures
- **Collaboration:** Federal, multi-state and local communication to enhance interoperability
- **Innovation:** alternate operational models; enterprise services, not systems – more citizen centric (states conduct millions of transactions a year)



# NASCIO Actions

## PIV-I

- Whitepaper and Webinars hosted in conjunction with the SCA
- Submitted Comments to NIST on FIPS-201(2)

## Draft Document

- Continue to Revise Architecture
- Seeking State Examples and Pilot Examples
- Continue to seek stakeholder input

## Continuing Education and Awareness

- Workshop at NASCIO Annual Conference
- Discovery Session at NASCIO Midyear Conference
- Expert Speakers on State Digital Identity Working Group Calls

**NASCIO Digital Identity Working Group Rechartered 6/2/2011**  
 Continue to Explore the States Role in NSTIC



# Leveraging FICAM for the States

- Federation
- Centralization
- Identity Assurance vs. Authentication vs. Authorization
- Standards-based Interfaces, communications, exchanges
- SOA infrastructure and Web services
- Concepts of 'issuing party' and 'relying party'



# The Existing PIV-I Framework

- States use best practices and guidelines for issuing standards-based, high assurance, privacy enhancing, multi-use, interoperable, identities and other credentials
- Provides basis for enterprise and federated identity, credentials and access management (ICAM) or (SICAM)
- Addresses establishing identities and the issuing of credentials as well as the handling of the information and the workstreams associated with identity and credentialing.
- PIV & PIV-I have over 5 million issued identities

**Leverage and accept State transactions for entitlement programs, state services, occupational verification, voter registration, licensure and more.**

# Looking Ahead



**Collaborate on building an identity ecosystem...2016?**



**Support the emphasis on Chain of Trust**



***Leverage Federal initiatives: more steering, less rowing?***



**Identity implications of healthcare reform?**



**Demand for secure identities by citizens**



**Extending the enterprise: Federal, state and local?**



# Questions and Discussion

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