



# **Federal Identity, Credential, and Access Management Roadmap and Implementation Guidance**

## **The Objective and Status of “Part B”**

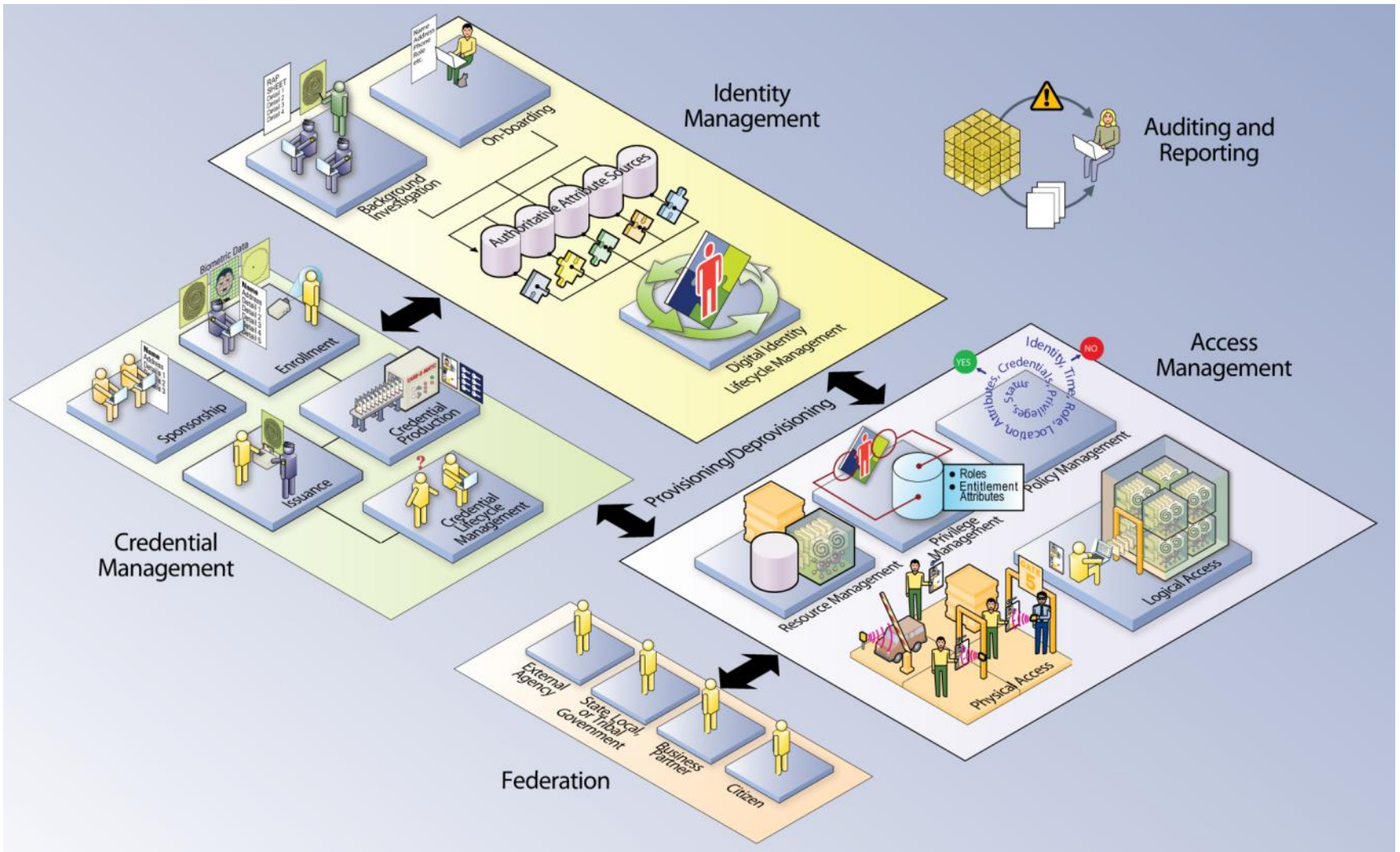
Smart Card Alliance Breakout Session  
June 29, 2010

# Agenda

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- Overview of the Federal ICAM Initiative
  - ICAM Functional Overview
  - The ICAM Mission
  - Key ICAM Milestones
- Recap of the FICAM Roadmap “Part A”
  - FICAM Roadmap Document v1.0
  - Key Aspects of the Target State
  - Transition Roadmap Initiatives
- Introduction to the FICAM Roadmap “Part B”
  - Part B Chapter Summary
  - Guidance Development Process
  - Phased Development
- Questions?

# ICAM Functional Overview



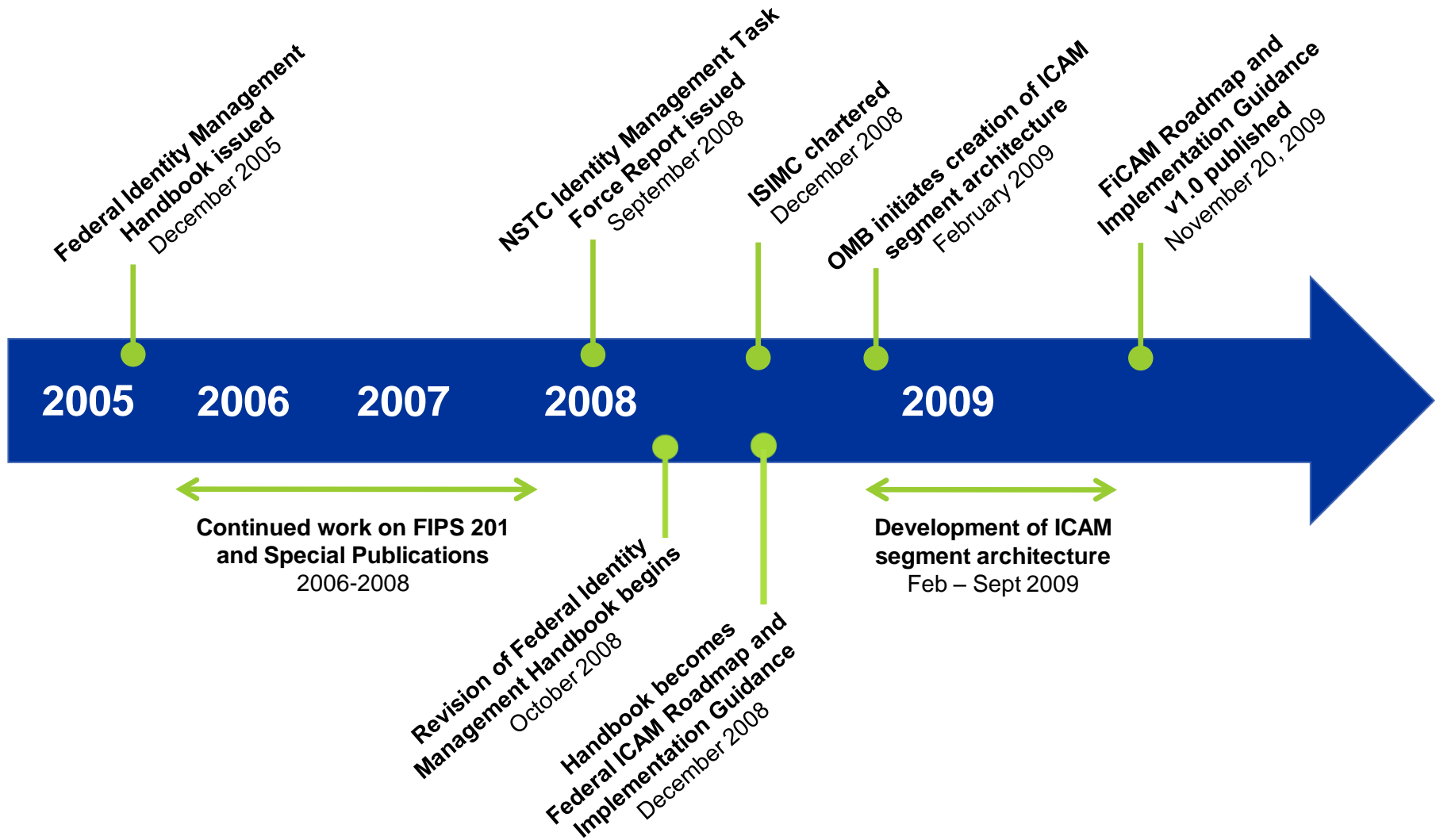
# The ICAM Mission

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- Fostering effective **government-wide** identity and access management
- Enabling **trust** in online transactions through **common** identity and access management **policies and approaches**
- **Aligning federal agencies** around common identity and access management practices
- **Reducing the identity and access management burden** for individual agencies by fostering common interoperable approaches
- **Ensuring alignment** across all identity and access management activities that cross individual agency boundaries
- Collaborating with **external identity management** activities through **inter-federation** to enhance interoperability

**The Federal ICAM Initiative provides cohesive governance for several programs that were previously governed and managed separately.**

# Key ICAM Milestones



# FICAM Roadmap Document v1.0

**Chapter 1: Introduction.** Provides background information on the ICAM Initiative and an overview of the purpose, scope, and structure of the document.

**Chapter 2: Overview of Identity, Credential, and Access Management.** Provides an overview of ICAM that includes a discussion of the business and regulatory reasons for agencies to implement ICAM initiatives within their organization.

## PART A: ICAM Segment Architecture

**Chapter 3: ICAM Segment Architecture.** Standards-based architecture that outlines a cohesive target state to ensure alignment, clarity, and interoperability across agencies.

**Chapter 4: ICAM Use Cases.** Illustrate the as-is and target states of high level ICAM functions and frame a gap analysis between the as-is and target states.

**Chapter 5: Transition Roadmap and Milestones.** Defines a series of logical steps or phases that enable the implementation of the target architecture.

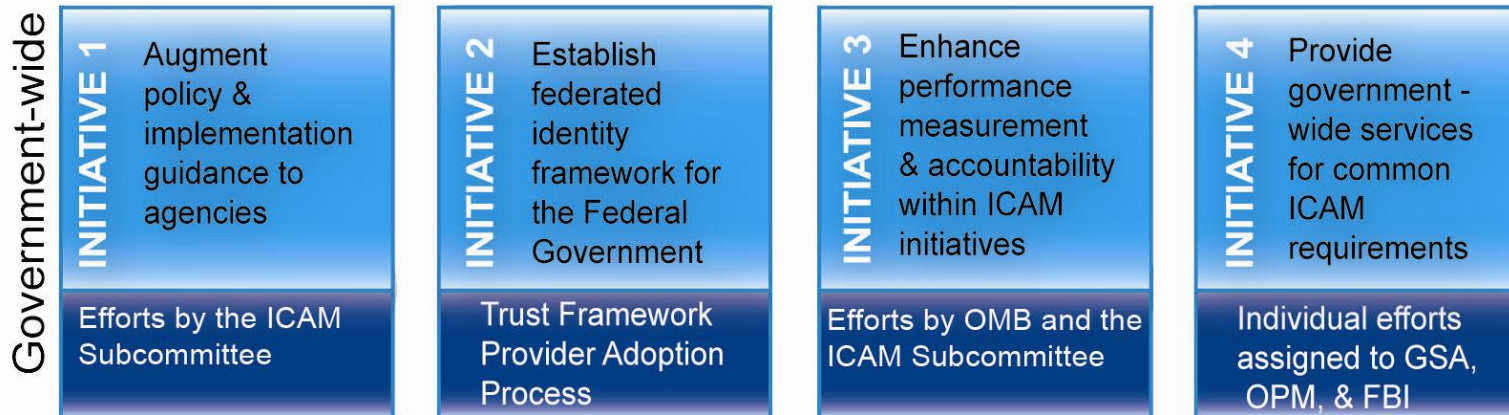
*The purpose of the Federal ICAM segment architecture is to provide federal agencies with a standards-based approach for implementing government-wide ICAM initiatives. The use of enterprise architecture techniques will help ensure alignment, clarity, and interoperability across agency ICAM initiatives and enable agencies to eliminate redundancies by identifying shared ICAM services across the Federal Government.*

# Key Aspects of the Target State

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- Increased automation and streamlining of business processes
- Establishment of authoritative sources for identity data and the capability to exchange that data between systems
- Full implementation of PIV credentials for employees, contractors, and affiliates accessing physical and logical resources
- Creation of enterprise-wide ICAM services to eliminate redundancy
- Adoption of standards and commercially-available products
- Increased emphasis on high levels of identity assurance
- Improved trust and interoperability across agencies and with external communities
- Enhanced capabilities for handling external users
- Protecting privacy in all process and system improvements

# Transition Roadmap Initiatives



## Guidance Addresses:





# Part B Chapter Summary

## PART B: Implementation Guidance

**Chapter 6. ICAM Implementation Planning.** Augments standard life cycle methodologies as they relate to specific planning considerations common across ICAM programs.

**Chapter 7. Initiative 5: Streamline Collection and Sharing of Digital Identity Data.** Provides guidance for agency activities required to eliminate redundancies in the collection and maintenance of identity data and mitigate the inefficiencies and security and privacy risks associated with current identity data management processes

**Chapter 8. Initiative 6: Fully Leverage PIV and PIV-interoperable Credentials.** Provides guidance for activities required to meet the intent of HSPD-12 for the usage of PIV credentials, make better use of cryptographic capabilities, and use of externally-issued PIV-interoperable credentials

**Chapter 9. Access Control Convergence.** Includes guidance topics that are applicable to both physical and logical access and will tie into PACS and LACS implementation chapters.

**Chapter 10. Initiative 7: Modernize PACS Infrastructure.** Provides guidance for agency activities required to update physical security processes and systems for routine access for PIV cardholders and visitor access for individuals with other acceptable credentials.

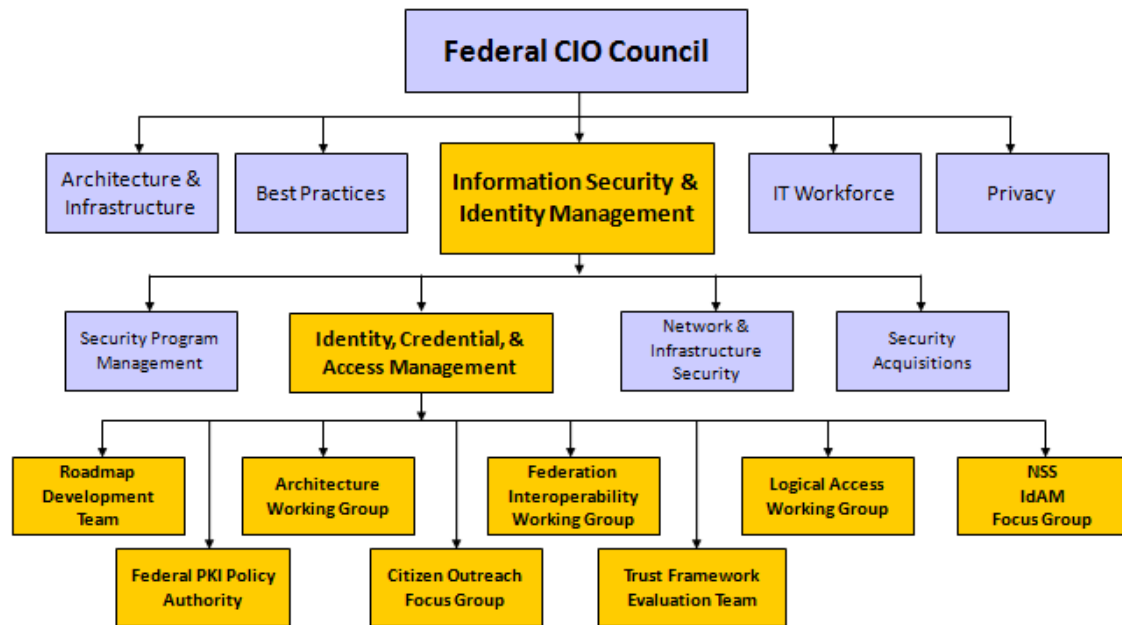
**Chapter 11. Initiative 8: Modernize LACS Infrastructure.** Provides guidance for upgrading logical access control systems to enable the PIV card and automate and streamline capabilities to increase efficiency and improve security.

**Chapter 12. Initiative 9: Implement Federated Identity Capability.** Provides guidance for agency activities to support streamlined service delivery to external consumers and reduce redundancy in ICAM programs by leveraging a government-wide federated identity framework

# Guidance Development Process

The development process involves coordination and collaboration with Federal Agencies, industry partners, and cross-government working groups.

- Multiple agencies represented within the CIO council subcommittees and working groups
- Interagency Security Committee (ISC)
- Office of Management and Budget
- National Institute of Standards and Technology (NIST)
- Office of National Coordinator (ONC) for Health IT
- Information Sharing Environment (ISE)
- White House National Science and Technology Council (NSTC)



ICAM Alliances: Interagency Security Committee, IC IdAM, NASCIO, & More

The Roadmap Development Team of the ICAMSC is the key group responsible for providing inputs to the guidance and reviewing the document for accuracy and completeness.

# Phased Development

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- Phase 1 focuses on general planning guidance and physical and logical access initiatives, which have the most aggressive implementation dates in the Transition Roadmap.
  - Chapters covered:
    - Chapter 6 – ICAM Implementation Planning
    - Chapter 9 – Access Control Convergence
    - Chapter 10 – Initiative 7: Modernize PACS Infrastructure
    - Chapter 11 – Initiative 8: Modernize LACS Infrastructure
  - Scheduled for completion through the summer and fall of 2010 with tentative publication in January 2010.
- Phase 2 focuses on the remaining initiatives to fulfill the target state use cases identified in the segment architecture.
  - Chapters covered:
    - Chapter 7 – Initiative 5: Streamline collection and sharing of digital identity data
    - Chapter 8 – Initiative 6: Fully leverage PIV and PIV-interoperable credentials
    - Chapter 12 – Initiative 9: Implement federated identity capability
    - Glossary
  - Development timeline TBD

# Questions?

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# Points of Contact

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