

# Interagency Advisory Board

*Meeting Agenda, July 29, 2009*

1. **Opening Remarks**
  2. **ICAM SC Update** (*Judy Spencer, GSA*)
  3. **The Driving Need for PIV-I** (*Tom Lockwood, DHS*)
  4. **Understanding PIV-I Technical Requirements** (*Tim Baldrige, NASA*)
  5. **Examples of PIV-I Adoption**
    - a) **Issuance and Use of PIV-I in State and Local Government**
      - i. **FEMA PIV-I Exercise Summary** (*Craig Wilson, FEMA*)
      - ii. **Washington D.C.** (*Ken Boley, Stephan Papadopoulos*)
    - b) **Issuance and Use of PIV-I as a Corporate Credential/PIV-I Federation within Aerospace & Defense** (*Keith Ward, NG*)
- BREAK-----
6. **Identity Certainty Project** (*Graham Whitehead, ANSI/NAPSO*)
  7. **Closing Remarks**

# Understanding PIV Interoperable for Non-Federal Issuers

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July 29, 2009

IAB Presentation

# PIV-I is!

- [http://www.idmanagement.gov/documents/PIV\\_IO\\_NonFed\\_Issuers\\_May2009.pdf](http://www.idmanagement.gov/documents/PIV_IO_NonFed_Issuers_May2009.pdf)
- **MINIMUM NFI CARD REQUIREMENTS**
  - “Federal government reliance (trust) on NFI identity cards requires the card to technically comply with PIV specifications so as to technically interoperate with Federal government PIV systems”

# MINIMUM NFI PIV-I CARD REQUIREMENTS (simplified)

- PIV-I
  - Components listed on GSA Approved Products List <http://fips201ep.cio.gov/apl.php>
  - Issued with all mandatory data objects present as described in FIPS 201, except Certificate PIV OIDs
  - Contains the mandatory PIV Authentication Certificate issued from a Federal Bridge cross-certified Certificate Authority with a Medium-Hardware Assurance Level

# How is the PIV-I CHUID Different From the PIV CHUID?

- PIV
  - FASC-N defined by NIST SP 800-87
  - GUID zeros (typically) or IPV6 (no known use)
- PIV-I
  - FASC-N is 9999 0000 000000
  - GUID is defined by RFC 4122 as a UUID

# What Else?

- On PIV the FASC-N is used to link data objects
- On PIV-I the GUID is used to link data objects
  - GUID must appear in the PIV Auth Certificate subject alt name
  - GUID must appear in the Card Auth Certificate, if present, subject alt name
  - GUID must appear in the signature block of the facial image object, if present
  - GUID must appear in signature block of the finger minutiae template object

# PIV Test Runner Conformance Tool

- Until A New Version Of The NIST/GSA PIV Test Runner Conformance Tool Which Is PIV-I Aware Is Released, Certain Tests Are Expected To Fail Since The PIV OIDs Are Not Encoded
- Likewise PIV-I Checks for GUID/UUID Conformance Are Not Performed

QUESTIONS?