

IAB Agenda

- **Opening Remarks** (*Tim Baldrige, NASA*)
- **Credentialing Interoperability in DHS Programs** (*Tom Lockwood, DHS*)
- **Backend Attribute Exchange** (*Chris Loudon*)
- **Results of Winter Blast Exercise** (*Craig Wilson, DHS/FEMA*)
- **Status of NASA HSPD-12 Implementation** (*Tim Baldrige, NASA*)
- **TWIC Update** (*Maurine Fanguy, TWIC PM*)
- **SP 800-116 Strategy for use of PIV Credentials in PACS** (*Bill Macgregor, NIST*)
- **Closing Remarks** (*Tim Baldrige, NASA*)

Backend Attribute Exchange (BAE) Architecture and Interface Specification

IAB Update

March 26 2008

Chris Loudon

AWG Update: Backend Attribute Exchange (BAE)

Agenda:

- ❑ Background / History
- ❑ Overview
- ❑ Specifications

Background

- ✓ Use Cases Defined (7/26/2007)
 - Suspected Tampering of the PIV Card
 - Special Requirements for Access
 - Emergency Occurs to PIV Card Holder
 - Inter-Agency Visit Request

- ✓ Re-Convene AWG for specification work (10/18/2007)
 - DHS
 - DOC
 - DOD
 - DOJ
 - GSA
 - IRS
 - NASA
 - NBC
 - OPM
 - SSA
 - USDA
 - USPTO

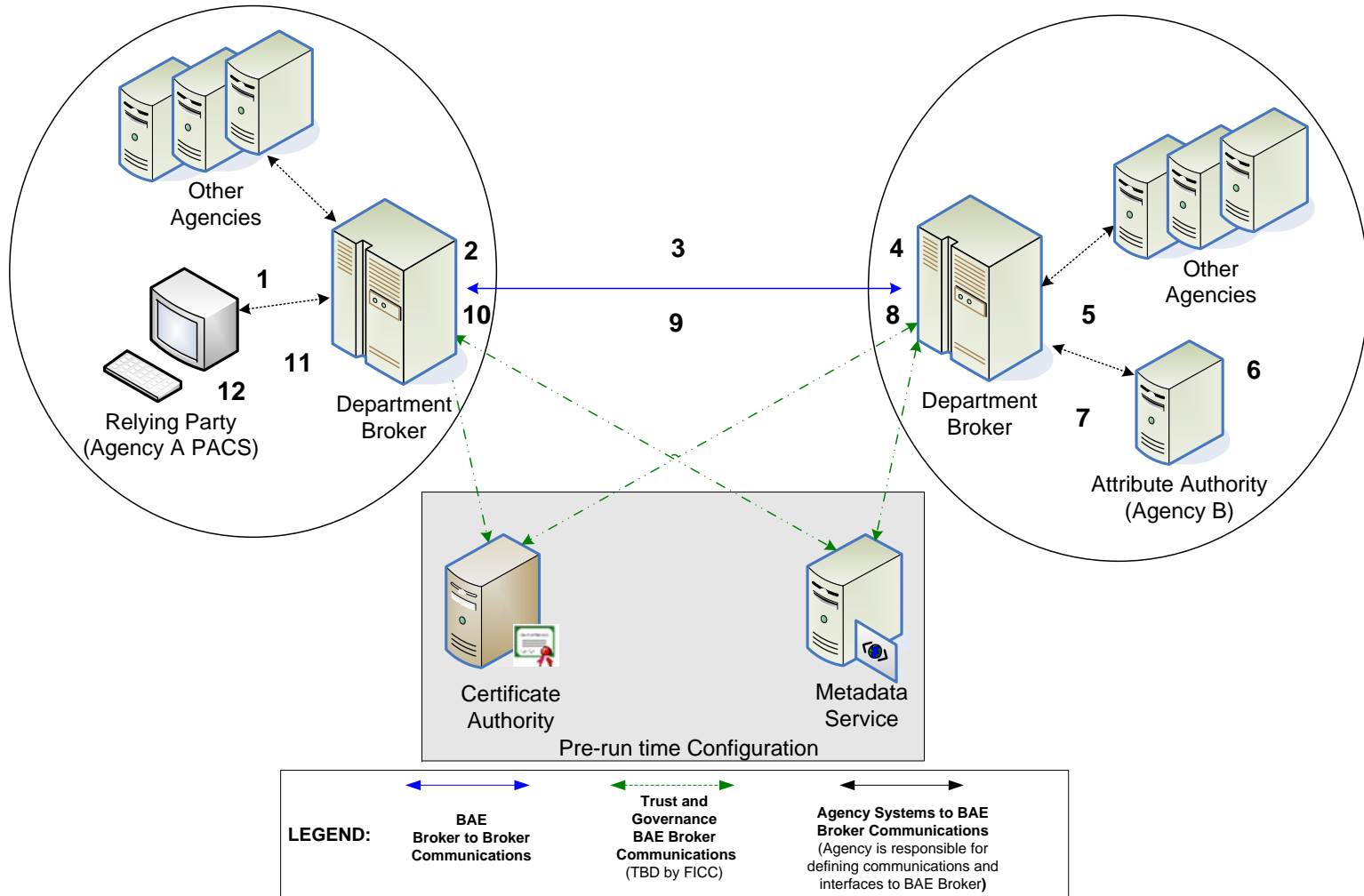
Background

- ✓ Selected of BAE Architecture Model (11/28/2007)
- ✓ Selected of BAE Protocols (12/28/2007)
- ✓ Finalized Attributes (1/10/2008)
- ✓ Release candidate to AWG (2/1/2008)
- ✓ Released to FICC (3/24/2008)

Overview

- ❑ Uses broker model
- ❑ FASC-N is the key
- ❑ Request/Response with SAML
- ❑ Batch Processing with SPML

Overview



Overview

PIV 800-73 Data Items	PIV Card Topology Items	Items Not Present on the PIV Card
<ul style="list-style-type: none">❑ FASC-N❑ Fingerprint Image❑ Digital Signature Certificate❑ Key Management Certificate❑ Card Authentication Certificate	<ul style="list-style-type: none">❑ First Name❑ Organization Association Category❑ Organizational Affiliation❑ Photo❑ Card Expiration Date❑ Employee Rank Text❑ More...(See spec)	<ul style="list-style-type: none">❑ CHUID Status❑ Person Security Clearance Code❑ Clearing Agency❑ Certification Type❑ Certifying Authority❑ NIPP Sector Code❑ ESF Code❑ More...(See spec)

Specifications

❑ SAML

- Requestor uses <AttributeQuery> with FASC-N in the <NameID>
- Response contains an <AttributeStatement> with some number of <Attribute> elements
- (Signed and Encrypted)

❑ SPML

- <updatesRequest> retrieves a list of FASC-Ns that have changed since a known date
- <updatesResponse> returns FASC-N list
- <batchRequest> of <lookupRequest> provides FASC-Ns
- <batchResponse> of <lookupResponse> provides

Next Steps

- ❑ FICC Review
- ❑ Comments due 4/15