The topic of Identity Management was discussed at the December 2008 ISPAB Mtg.
Elaine Newton of NIST described several activities underway touching upon ID Mgmt.
Request was made to provide guidance for identity management efforts
IDENTITY MANAGEMENT – ONE DEFINITION

- The set of operations associated with the life-cycle maintenance of attributes associated with an entity
  - Operations, policies and technologies
  - Inclusive of non-human entities
  - Covering creation through destruction (beyond?)

*NIST:* An Identity Management System is any system that creates, issues, uses, and terminates *electronic* identities. In other words, an Identity Management System provides lifecycle management for the digital credential sets that represent electronic identities.
NIST AND IDENTITY MANAGEMENT

- NIST has already produced bodies of work on identity issues such as:
  - SP 800-103: An Ontology of Identity Credentials, Part I: Background and Formulation (DRAFT)
  - SP 800-63: Electronic Authentication Guidelines
  - Several SPs related to PIV
- Other activities
  - Global eID
- So where’s the gap?
ASSESSING THE GAP

- Need to assess the state of both traditional and evolving identity frameworks
  - Within government
  - In industry and academia
- The past decade has been filled with many efforts
  - CardSpace (Microsoft)
  - OASIS (SAML 1 & 2, XACML)
  - Liberty Alliance
  - WS*
  - OpenID, OAuth, and others
- What is the applicability of such efforts for government use?
LIBERTY ALLIANCE (JUST AN EXAMPLE)

- ID Federation Framework (leading to SAML 2)
  + Related work: OpenID, SAML
  + Using Identity across disparate boundaries

- ID Web Services Framework
  + Building Identity Centric Core Services, XACML

- ID Governance Framework
  + Related work: OAuth, Merkle Hash Trees
  + Portable identity attribute use policies

- ID Assurance Framework (building upon 800-63)
  + Normalization of Identity value

- ID Service Interface Specification
  + Foundation abstraction to allow unique ID driven services
Some proposed discussion topics include:

- Create a means to evaluate identity management frameworks
  - Their similarities and differences
  - In abstract terms that can cover the ID “universe”
- Identification of the interoperability of various identity schemes
- Catalog relevant identity related technologies and where they fit in the assessment framework