



Australian Access Federation Project Update

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By

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Australian Government

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Focus for today



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- What is the AAF?
- LOAs
- PKI and the AAF

Facilitator for trusted electronic communications and collaboration within and between institutions of higher education and research in Australia and with other organizations worldwide.

Framework built to support access to diverse online resources and services for the sector

Currently supports two technologies

**PKI (AusCERT
Root Cert in
browsers)**

Shibboleth

Spanning technologies

**Levels of
Assurance**

**Policies,
Agreements**

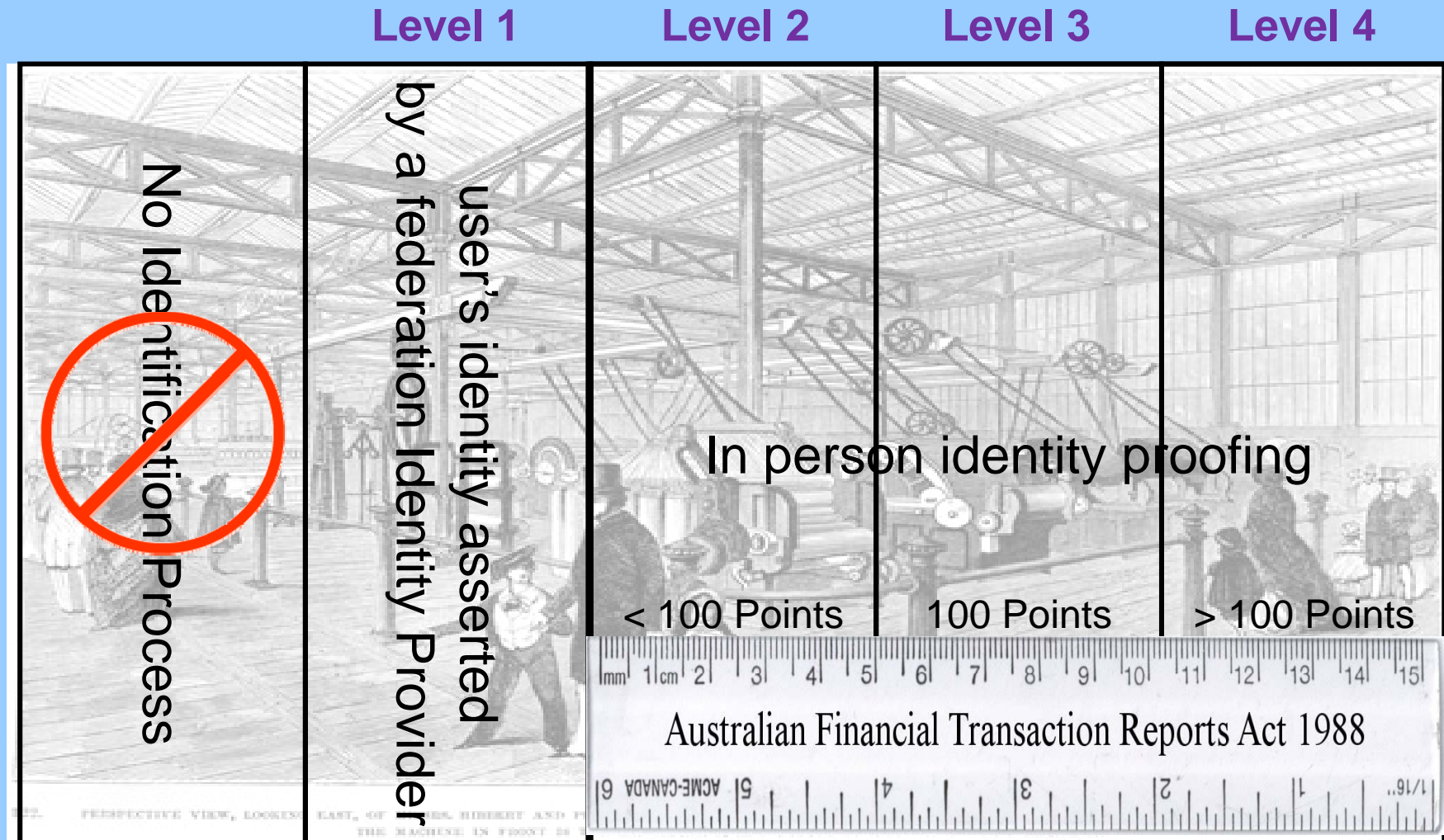
**auEduPerson
SharedToken**

**Autograph/
SHARPE/
IAMSuite**

AAF organisation (legal entity)

- Address the diverse requirements of our community for identification of individuals and the authentication methods used to resources within the AAF
- Identity LOA
 - Provides a degree of confidence and understanding of the identity of a credential holder, and the process used to create such credential.
- Authentication LOA
 - Measures the strength of the authentication method used
- Common across PKI and Shibboleth

Identification Process Metric



Authentication Process Metric



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Level of Assurance	Description
Floor of Trust	The authentication for this level includes authentication using passwords with a minimum of six characters (with at least one letter and one number).
Level 2	This level of authentication includes best practice and managed password based systems.
Level 3	This level of authentication includes two-factor systems using hard tokens or software based X.509 certificates in conjunction with pass-phrases or pins.
Level 4	This level of authentication includes hardware based X.509 certificate systems, such as crypto tokens

- Server and host security, i.e. SSL, TLS, VPN, etc
- Authentication
- Digital signing of documents/emails
- Encryption of documents/emails
- Enabling ad-hoc collaboration within and beyond the AAF.

Summary



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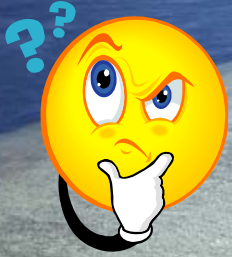
- AAF is addressing particular needs of our community
- Applied lessons learned from other federations and tackling issues early
 - integrated PKI/Shibboleth, framework for levels of assurance, structured to allow evolution
 - http://www.aaf.edu.au/docs/Attributes_for_use_with_AAF_v01.5.1.pdf
 - http://www.aaf.edu.au/docs/AAF_LoA_Proposal_v1-2.pdf
- Input from our community and international experts
- Environment is changing – increased targeted phishing attacks
- Pilots completed now building production infrastructure
- Establishing the AAF organisation

Conclusion



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- AAF is designed to ensure a continued focus on the community it serves
- AAF will facilitate easier access to technology and a streamlined framework for collaboration and access to resources
- Timeframe
 - Institutions and service providers to join progressively during 2009
- More information: <http://www.aaf.edu.au>



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www.aaf.edu.au

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