

Identity Assurance - History

- InCommon Assurance program www.incommon.org/assurance/
 - Silver (LOA 2) and Bronze (LOA 1)
 - IGTF CILogon Silver CA
 - Lacking incentives: apps didn't show up
 - Implementation hurdles: audits and contractual agreements
 - Virginia Tech certified at LOA 2 but didn't renew
 - Too onerous to map from existing certifications (e.g., DOE Labs)
- FICAM - idmanagement.gov
 - Google certified at LOA 1 but didn't renew



Identity Assurance – Multi-Factor Auth

- e-Science use cases requiring multi-factor authentication
 - Blue Waters supercomputer at NCSA
 - TACC resources (XSEDE)
 - and others...
- NCSA Two Factor CA (IGTF)
- InCommon MFA Interoperability Profile Working Group
 - <https://spaces.internet2.edu/x/CY5HBQ>
 - InCommon MFA Profile – spec almost fits on one page!
 - <http://id.incommon.org/assurance/mfa>



Identity Assurance – IGTF & REFEDS

- IGTF
 - Peer review
 - Active engagement from relying parties
 - Move to technology-agnostic assurance profiles
<https://www.igtf.net/ap/authn-assurance/>
- REFEDS Assurance WG - <https://wiki.refeds.org/x/MgDI>
 - Apply IGTF-style assurance to SAML IdPs?
 - CILogon-FNAL-LIGO-OSG engaged
 - Still a question of incentives:
 - Enable university IdPs to simply self-assert what they do
 - Enable e-research IdPs to assert a higher assurance

