TAGPMA
The Americas Grid
Policy Management Authority

ELM Assurance Level & Domain Control Validation-Only Trust Assurance Authentication Profile

Derek Simmel dsimmel@psc.edu, TAGPMA Chair

63rd EUGridPMA Meeting
CERN, Geneva, Switzerland
February 6, 2025

ELM and DCVOTA Agenda

- IGTF Levels of Authentication Assurance, DRAFT 1.5 3-Oct-2024
- Domain Control Validation-Only Trust Assurance with Secured Infrastructure, DRAFT 1.1 6-Feb-2025
- Guidelines for On-line PKI Certification Authorities
- IGTF PKI Technology Guidelines
- Accreditation and Audit Checklists for IGTF PMAs
  - CP/CPS review – Like for IOTA CAs, s/identity vetting/domain validation/g
  - Operational Checklist, including
    - Documented and demonstrated ACME client usage
    - CRL issuance and credential revocation demonstration

ELM and DCVOTA Acceptance & Publication

- Acceptance of ELM
  - TAGPMA [November 2024]
  - EUGridPMA [February 2025]
  - APGridPMA [tbd @ APGridPMA meeting March 2025]

- Acceptance of DCVOTA Authentication Profile
  - TAGPMA [November 2024]
  - EUGridPMA [February 2025]
  - APGridPMA [tbd @ APGridPMA meeting March 2025]

- Accreditation and Audit Checklists

- Where best should these documents be published and maintained?

First DCVOTA Accreditation Applicant

- Google Trust Services (GTS)
  - Document repository at https://pki.goog/repository/
- Current CPS v5.18 (January 13 2025)
  - Single CPS apparently covers all of their CAs…
  - https://pki.goog/repo/cps/5.18/GTS-CPS.html
- Google Trust Services does NOT want to spin up a new IGTF CA
  - Plan to identity the subset of CAs that will serve the DCVOTA service