Continuing the GPO Trust Relationship through Authentication

IASSIST 2008
GPO’s Preservation Role:

Past

Present
GPO ACCESS

- Official published version

- HTTP://WWW.GPOACCESS.GOV/
Authentication of Digital Content

- Electronic documents challenges

- GPO goal: trusted information disseminator
  - Electronic document not altered since disseminated
Online Presentation of
Print-Based Content

- Content, links, & databases
- 1994
Authenticated Public Laws with Digital Signatures

• Public and Private Laws 110th Congress
  – Office of Federal Register, NARA

• Authenticated PDF files
  – Digitally signed and certified using Public Key Infrastructure (PKI) technology
Signing & Certifying a Document

• Signed & Certified: Contents have not been changed

• Digital signature technology
  – Adds a visible Seal of Authenticity
Authenticating Born-Digital Content

• Office Management & Budget
  FY 2009 Budget

• Digitally signed & certified PDF
  – Over 300 PDF files!
GPO’s Technology Transition

Switch to Content-Based environment
Trusted System

- Permanent access
- Federal Digital System (FDsys)
  - Integrated content management system, includes
    - authentication
    - digital preservation
  - Digital content
    - Created, submitted, preserved, authenticated, managed, & delivered upon request
FDsys

• Content: cataloged, available for searching & viewing, downloading & printing, masters for conventional & on-demand printing, or other dissemination

• Reference Model for Open Archival Information System (ISO 14721:2003)

• Late 2008
Authentication Metadata

- Provenance information sufficient to ensure
  - authenticity and
  - aid in preservation of object

- Some information for end users
Where We Have Been Today