GPO's
Federal Digital System

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U.S. Government Printing Office

FDsys

Agenda

- Program Overview
- System Overview
- Implementation Approach
- Content Management System and Preservation Repository Demonstration
- Public Search Demonstration
- What's Next

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Challenges in the Digital Age

- Access to government published information is now widely expected to be electronic
- Digital information needs to be authentic and verified to be the correct version
- Digital information needs to be available for access almost immediately
- Information needs to be preserved, making it available for generations to come

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GPO's Federal Digital System (FDsys)

- GPO's Federal Digital System (FDsys) is a customer-driven advanced digital information system.
- FDsys will automate the collection, management and dissemination of electronic information from all three branches of government.
- Information will be:
  - Submitted directly into FDsys
  - Permanently available in electronic format
  - Authenticated and versioned
  - Publicly accessible for searching and downloading
  - Available for conventional and on-demand printing

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Program History

- **2004**
  - Program started with development of a Concept of Operations
  - Cross-organizational teams were formed to develop user requirements
- **2005**
  - May: GPO released FDsys Requirement Document 1.0
  - October: A Program Management Office was created to manage FDsys design, development, and implementation
- **2006**
  - GPO began the design and technology selection process to meet FDsys requirements
- **2009**
  - January: GPO launched the first public release of FDsys
  - New content and functionality was added throughout the year and into 2010

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What is FDsys?

- FDsys is a *Content Management System*
  - FDsys securely controls digital content throughout its lifecycle to ensure content integrity and authenticity
- FDsys is a *Preservation Repository*
  - FDsys follows archival system standards to ensure long-term preservation and access of digital content
- FDsys is an *Advanced Search Engine*
  - FDsys combines extensive metadata creation with modern search technology to ensure the highest quality search experience

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FDsys and Submission

FDsys content will come from three sources:

- Submitted directly into FDsys

- Harvested automatically from official Federal websites

- Converted from previously printed publications into digital files

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FDsys and Access

The FDsys search philosophy:

- Provide simple search with advanced results

- Provide advanced search features so users can efficiently retrieve specific documents

- Provide relevant results fast

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FDsys and Authentication

Content authentication will ensure:

- Content has been approved by, contributed by, or harvested from an official source

- Content has been verified by GPO to be complete and unaltered

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FDsys and Preservation

Digital preservation processes will:

- Safeguard digital content and relevant metadata

- Assess the condition and needs of collections of digital information

- Meaningfully render content despite continually changing technology

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Demonstrations

- Content Management System
  - http://test.fdsys.gpo.gov/cms

- Public Search
  - http://www.gpo.gov/fdsys

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FDsys Implementation Approach

- Define major releases of FDsys
  - Build the foundational infrastructure and preservation repository, and replace current public access site (GPO Access)
  - Migrate legacy data from existing site into FDsys
  - Enable submission of content from additional sources
  - Automate preservation processes in FDsys preservation repository
  - Tailor FDsys to better meet individual user needs
- Enhance and improve functionality based on user feedback between major releases
  - Flexibility of enhancements based on expressed needs
- Position FDsys to support government-wide information management and preservation needs
  - Develop a repository for bulk data distribution to support the Open Government Initiative
  - Support Web 2.0 applications and collaboration

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What's Next?

- Closing out Release 1
  - Migrate remaining collections
  - Establish an offsite backup for FDsys
- Planning for Release 2
  - Focus on the submission of content from Congress into FDsys
  - Will extend this functionality to agency customers
- Supporting stakeholder initiatives
  - Extending FDsys to support Web 2.0 initiatives
- Conducting outreach activities
  - Communication with internal and external stakeholders is an ongoing activity to ensure FDsys continues to meet user needs

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Questions?

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