Plenary Session:
GPO Digital Content Forum –
A Day in Your Life with FDsys

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Tuesday, April 4, 2006 8:30 – 10:00

Background of Presentation

The presentation on April 4, 2006, provided information about Innovation and New Technology (INT) outreach activities and Federal depository librarians' interactions with the Future Digital System (FDsys) in the form of user scenarios. The scenarios were developed from user requirements included in the FDsys Requirements Document version 2.0 and are based on the full functionality of FDsys integrated with GPO's business information and digital printing systems. The presentation focused on the interactions of depository librarians in relation to accessing content and performing transactions. Presentation slides are available from http://www.access.gpo.gov/su_docs/fdlp/pubs/proceedings/06spring/dayinfdsys.pdf.

The session was facilitated by Mike Wash, Chief Technical Officer, and Ric Davis, Director, Library Services and Content Management. Presentations were given by Moira Shea, Director, Program Communications; Gil Baldwin, Associate Director, Program Management; Selene Dalecky, Associate Director, Program Management; and Lisa LaPlant, Senior Program Planner.

Key Discussion Points

Key discussion points included the following:

- Relationship between FDsys and the ILS. The ILS is a key element of FDsys which will manage descriptive metadata.
- Integration between GPO's business information system, content management system, and digital production system.
- FDLP engagement activities to date and future activities.
- FDsys content scenarios.
- FDsys transactional scenarios.

Background Documentation

- *FDsys Requirements Document version 2.1*
- *FDsys Concept of Operations version 2.0*
- FDsys Website: http://www.gpo.gov/projects/fdsys.htm

Summary

FDLP Engagement

In August 2005, GPO surveyed Federal depository librarians to obtain valuable input from our library partners regarding proposed features and functions of FDsys. More than 400 depository librarians responded to GPO's request for feedback. Survey responses showed overwhelming support for GPO's concepts. The three most requested features were access to authentic and official Government publications, migration of digital media to prevent technology obsolescence, and access to digitized publications with full-text search capability. Respondents also expressed interest in multiple levels of search, access to version information for a publication, and the ability to pull bibliographic records from GPO. Future plans for FDLP engagement include updates through official communication channels, surveys, focus groups, and web conferences.

Content Scenarios

1. A Federal Depository Librarian downloads the "Detailed Budget Estimates for the Legislative Branch" section of the FY07 Budget and prints a copy via a desktop printer in their library.

   Interactions with FDsys:

   - Perform a timely and efficient search of both full-text content and descriptive metadata.
   - Download content and print the content on a library desktop printer.
   - Download bibliographic records.
   - Access related publications.

2. A Reference Librarian helps a patron find a tangible copy of the publication *A Healthier You* and a list of Federal Government resources related to nutrition.

   Interactions with FDsys:

   - Search OPAC to locate a tangible copy in a depository library or access an electronic copy through a persistent name.
   - Access a list of other Federal Government resources.
   - Access a registry of subject matter experts.
   - Opt-in to receive personalized information based on prior interactions with the system and interactions of other similar depository libraries through "My FDsys".
   - Customize the administrative view and public view of their library's My FDsys homepage to provide access to publications and resources.

3. A Law Librarian provides an electronic copy of the April 4, 2006, issue of the *Federal Register* to a legal researcher. The legal researcher verifies the authenticity and integrity of the publication. The legal researcher also verifies the chain of custody information.

   Interactions with FDsys:

   - Email content from the FDsys Web interface.
   - View metadata and verify a digital signature to check integrity ("Has content been altered or destroyed in an unauthorized manner?") and authenticity ("Does it match the version that was approved for release by a Content Originator?").
   - View metadata for information on chain of custody ("Who has touched or had possession of the content?").

4. An Acquisitions Librarian needs to replace her library's tangible copy of *Background Notes: Afghanistan* from September 2003. She also wants to make sure that patrons have access to current Government information about Afghanistan.

   Interactions with FDsys:

   - Search OPAC.
   - Interface with Sales Program to purchase publications.
   - View version information.

5. A Technical Processing Librarian downloads full MARC records for all publications in the Congressional Serial Set for the 105th Congress.

   Interactions with FDsys:

   - Search OPAC.
   - Select format for metadata export.
   - Schedule delivery via a delivery method such as email, FTP, or RSS.

6. A Technical Processing Librarian schedules the digital deposit of volume 86 (2006) of the *Survey of Current Business* along with cataloging records.

Interactions with FDsys:

- Log into a "MyFDsys" administrative account.
- Schedule a digital deposit of content and bibliographic records.

Transactional Scenarios

1. A Depository Librarian manages their administrative account.

   Interactions with FDsys:

   - Log into My FDsys administrative account.
   - Update library account information, applying changes in a centralized manner.
   - Submit claim for items not delivered and receive automatic notifications on claim status.
   - Track claims though My FDsys administrative interface or through alert services.
   - Gain access to partner sites from the same My FDsys administrative interface eliminating the need for multiple access points.
   - Subscribe and unsubscribes to alert services (e.g., RSS, listservs) for reports or significant events.
   - Select, customize, and receive reports about transactions, providing more insight into how content is collected and used in a timely manner.
   - Customize interactions with the FDsys and receive personalized information.

2. A Depository Librarian accesses publication status information and receives notifications about specific publications.

   Interactions with FDsys:

   - Log into My FDsys administrative account.
   - Receive notification of new and changed content including item numbers, new titles list, WebTech notes, superseded list, shipping lists, and "Whatever Happened To?" from a central location.
   - Access information about publications such as what's the real name of the Katrina report? What is the FDLP status of this publication? When and how will I receive this publication?

3. A Depository Librarian accesses user support and training.

   Interactions with FDsys:

   - Log into My FDsys administrative account.
   - Receive training through online tutorials, web conferencing, video conferencing, and teleconferencing.
   - Repurpose training tools to educate others on finding, evaluating the quality of, using, and understanding government information.
   - Consult and contribute to FAQs through a helpdesk and knowledgebase.

4. A Depository Librarian collaborates with other information experts.

   Interactions with FDsys:

   - Log into My FDsys administrative account.
   - Designate self as a subject matter expert or interacts with other self-designated subject matter experts.
   - Receive recommendations for and services based on profiles.
   - Add, update, or review projects within a digitization registry.
   - Write and share reviews or "how to" guides for publications that can be available for users interested in learning more about a resource and how to use it.

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Question 1:
Out of the ten scenarios, were there any fees associated with accessing the content?

Summarized Response:
FDsys has been designed from the ground up to support free public access, and the system will include End User interfaces that provide free access to the public and Federal depository libraries. Default End Users interfaces will be available for users who do not want to register with the system, and users who choose to register will have the ability to use customization and personalization capabilities. In addition, the system will have the ability to support the GPO Sales Program, but the business unit will determine when and where this capability is enabled.

Question 2:
In relation to the transactional scenario dealing with librarians contributing training materials, will librarians be contributing content under an agreement that the content is in the public domain or will they be contributing content under another type of license?

Summarized Responses:
GPO will continue to work with council and the FDLP community to develop policies for the contribution of training materials.

Question 3:
Does the system include requirements for both pushing and pulling content from the system?

Summarized Response:
Yes.

Question 4:
What is the relationship between FDsys and *GPO Access*?

Summarized Response:
FDsys will enhance the functionality currently available from *GPO Access*.

Question 5:
Will other systems have the ability to harvest metadata from FDsys?

Summarized Response:
Yes. The FDsys Requirements Document version 2.0 includes a requirement that the system should be compliant with OAI-PMH.

Question 6:
What types of metadata will the system include?

Summarized Response:
The system will include numerous different categories of metadata including descriptive, technical, structural, preservation, and administrative metadata.

Question 7:
Will FDsys be the delivery system for tangible printed publications?

Summarized Response:
The system will have the capability to interface and provide content to other systems (e.g., digital print on demand systems) for the delivery of hard copy publications.

Question 8:
Does the system include User Support requirements for functions that are currently available today such as askGPO?

Summarized Response:
The FDsys Requirements Document version 2.0 includes requirements for User Support including current functionality such as a knowledge base and enhanced functionality such as collaboration tools.

Question 9:
How does GPO plan to implement a program of digital deposit, and what are the plans to incorporate digitally deposited publications into GPO's preservation strategy?

Summarized Response:
GPO will continue to work with the library community to clarify what is entailed in the concept of "digital deposit", whether it is simply receiving a document through push technology or whether there's an intention to manage the document over time using a full range of preservation processes.

Question 10:
Does GPO plant to make pre-1976 cataloging records available to Federal depository libraries?

Summarized Response:
Yes.

Question 11:
Will the system provide the capability to track content as it flows through the system? For example, the system should provide the capability to record that a depository copy was printed and delivered on a particular date at no charge to the individual depository library.

Summarized Response:
Yes.

Comments from Council and Audience

- Numerous council and audience members commended GPO on the FDsys requirements including requirements related to a registry of experts, "MyFDsys," digital deposit, related publications and resources, customization, and personalization. Council also noted the importance of requirements related to content authenticity, integrity, and chain of custody.

- As necessary, GPO should continue to work with council and the FDLP community to develop policies related to enhanced FDsys capabilities such as a registry of experts, collaborative training materials, related resources, and tools for librarians to submit reviews of content.

Additional Scenarios Suggested by Council and Audience

- General public End User access scenario.
- Push and pull of content and records.
- Access scenarios showing the linking of related Congressional materials.
- GPO Sales Program scenarios.
- FDsys content aggregated and combined with content from other systems.
- A depository librarian has taken over the responsibility of the depository collection for a small selective depository library. The depository librarian wants to create a database for the acquisitions librarian of everything that the library receives. The depository librarian should have the capability to access their selection list including titles, item numbers, classification numbers, and retail value of each title and export this information in Microsoft Excel or Access formats.
- Track content as it flows through the system from agency submission, content management, and delivery to depository libraries.
- Version control scenario highlighting access to both current and historical information.
- MyFDsys scenario including a three tiered model with interfaces for a depository librarian, library staff, and the public.