

# What's Going on at GPO?

Technical Services for Government  
Documents

New England Library Association  
Annual Conference

Sturbridge, Massachusetts  
October 15, 2007



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# What We'll Talk About

- Mission of GPO
- Library Services and Content Management
  - Mission and organization
- Library Technical Information Services
  - Mission
  - Organization and responsibilities
  - Projects and initiatives
- LSCM initiatives
- GPO-wide initiatives



# Mission of GPO

- To “*Keep America Informed*”
- Congress determined the need to make available to all Americans information on the workings of the three branches of the federal government
- Primary centralized resource for gathering, cataloging, producing, providing and preserving published information in all its forms.

# GPO's Organization

## Six Business Lines:

- Plant Operations
- Security and Intelligent Documents
- Information Technology and Systems
- Publication Information and Sales
- Library Services and Content Management



# Library Services and Content Management

Director, *Richard G. Davis*

3 divisions, 111 people

- Library Technical Information Services
  - Identify, acquire, classify and catalog
- Collection Management and Preservation
  - Disseminate and preserve
- Library Planning and Development
  - support services and program development

# LSCM Mission

- Manage the Federal Depository Library Program to ensure equitable, secure, convenient, and permanent public access to Government information.
- What drives what we do?
- Governing legislation found in 44 USC chapter 19
  - Make federal government publications available (section 1902)
  - How we get our publications: “Ride” agency print orders to print additional copies (section 1903)
    - FDLP copies paid for by funds appropriated by Congress
  - Distribute publications selected by libraries (section 1904)
    - Issue a classified list of federal publications in suitable form containing annotated contents and listed by item identification



# What Drives What We Do

- 44 USC Section 1710: Index of Documents
- The Superintendent of Documents, at the close of each regular session of Congress, shall prepare and publish a comprehensive index of public documents, upon a plan approved by the JCP...
- The head of each executive department, independent agency and establishment of the Government shall deliver to him a copy of every document issued or published by the department, bureau, or office not confidential in character...



# And One More ...

## Chapter 41: Access to Federal Electronic Information

- Section 4101
  1. Electronic directory of federal electronic information
  2. Online access to the Congressional Record, the Federal Register, and other appropriate publications distributed by the Superintendent of Documents.
  3. Electronic storage facility for federal electronic information to which online access is made available under number (2)



# LTIS

- Director, *Laurie B. Hall*, 60 staff
- Library Technical Information Services (LTIS), working within the statutory framework:
  - Content Acquisitions:
    - Identifies and acquires Federal government information
  - Bibliographic Control:
    - Provides cataloging for electronic, Web and traditional paper publications
  - Technical Services Support:
    - Maintains the Superintendent of Documents classification system, item number system and the ILS/Web OPAC



# Content Acquisitions

- Manager, *Jeff Horbinski*, 17 staff
- Mission: Identify and acquire federal government publications for the FDLP
  - “Ride” print orders
  - Web harvesting
    - Manual
    - Lost Docs ([lostdocs@gpo.gov](mailto:lostdocs@gpo.gov))
    - Automated (future)



# GPO Express

- GPO contract with FedEx Kinkos
- Our customers can go to any FedEx Kinkos to have a print job run
- As a provision of the contract, they must provide us an electronic copy of the file.
- Content Acquisition staff then evaluate the publication for inclusion in the FDLP.



# GPO Express Harvesting Statistics

<b>Fiscal yr 07 Month</b>	<b>Files Reviewed for scope</b>	<b>Files Harvested</b>	<b>Fiscal yr 07 Month</b>	<b>Files Reviewed for scope</b>	<b>Files Harvested</b>
Oct 06	58	35	Apr 07	381	48
Nov 06	191	35	May 07	350	67
Dec 06	138	19	June 07	558	140
Jan 07	272	62	July 07	568	92
Feb 07	398	66	Aug 07	762	119
Mar 07	627	85	Sept 07	550	63

# Bibliographic Control

- Manager, *Jennifer Davis*, 20 staff
- GPO was a founding member of OCLC in July 1976, and has enhance status
- Member of all groups of the Program for Cooperative Cataloging
  - **CONSER** (Cooperative Online Serials)
  - **BIBCO** (Monographic Bibliographic Record Program of the PCC)
  - **NACO** (Name Authority Cooperative)
  - **SACO** (Subject Authority Cooperative)



# GPO and CONSER

- GPO has been a full member of CONSER since 1980, and attends and votes at every annual CONSER operations committee meeting.
- GPO was a member of the new CONSER standard record pilot team last year.
- GPO adopted the new CONSER standard record on June 1, 2007 which was announced to the FDLP community
  - Rules adapted to the changing cataloging and Internet environments



# GPO and BIBCO

- GPO creates BIBCO records when full, authenticated cataloging with all verified NACO names is required.
- GPO creates BIBCO records for all of its Congressional records and any essential titles that are monographs. GPO will also occasionally create BIBCO (full) level records for hot topic items that we send to all libraries.



# Sources of GPO's Cataloging

- GPO Cataloging Manual, 4<sup>th</sup> ed. (see [http://www.access.gpo.gov/su\\_docs/fdlp/cip/gpocatguide.doc](http://www.access.gpo.gov/su_docs/fdlp/cip/gpocatguide.doc))
- LCRIs (Library of Congress Rule Interpretations)
- Superintendent of Documents Policies  
[http://www.access.gpo.gov/su\\_docs/fdlp/pubs/policies/index.html](http://www.access.gpo.gov/su_docs/fdlp/pubs/policies/index.html)



# AACR2

- GPO uses AACR2 as the starting point for formulating its own policy (where the text says “up to the discretion of the cataloguing agency” or where optional rules are provided).
- GPO follows LCRIs, except in those places where LC provides an option and GPO chooses the one other than that LC uses.



# Other Cataloging Policy Changes

- New Abridged Record Standard
  - added extra fields beyond the K level required fields at the request of the depository community (e.g., 500 notes for dates present on the document and 300 fields for electronic resources)
  - allows GPO to create more records faster with little loss of information and access points, which also makes these records more cost-efficient– and it allows us to make better use of our staff.



# Categories of Publications Affected

- Technical Reports
- Department of Defense technical manuals and bulletins
- Electronic publications with physical carriers
- Integrating resources (loose-leaf, electronic, Web sites)
- NASA documents



# Library Technical Services Support

- Manager, *Linda Resler*, 17 staff
- Classification and maintenance of the Superintendent of Documents classification and item number system
- Processes involved in the conversion of publications to microfiche
- Depository shipping list creation
- Integrated Library System implementation and maintenance
- Products and services
  - Administrative Notes Technical Supplement and WTN
  - New Titles and New Electronic Titles



# Integrated Library System

- A brief overview of the project:
  - Approved and funded in 2004
    - Ex Libris Aleph 500 selected after procurement process
  - Data loaded in late 2005
  - Web OPAC came up in March 2006 as the new Catalog of U.S. Government Publications,  
**<http://catalog.gpo.gov>**



# The ILS ...

- Has replaced the Wide-Area Information Server (WAIS) based Catalog of U.S. Government Publications
- Provides functionality for redesigned technical services workflows to replace legacy applications
- Provides a central location for GPO staff and the public to determine publications GPO has identified, acquired, and cataloged and linked to
- Provides timely access
- Will provide federated searching capabilities across selected resources



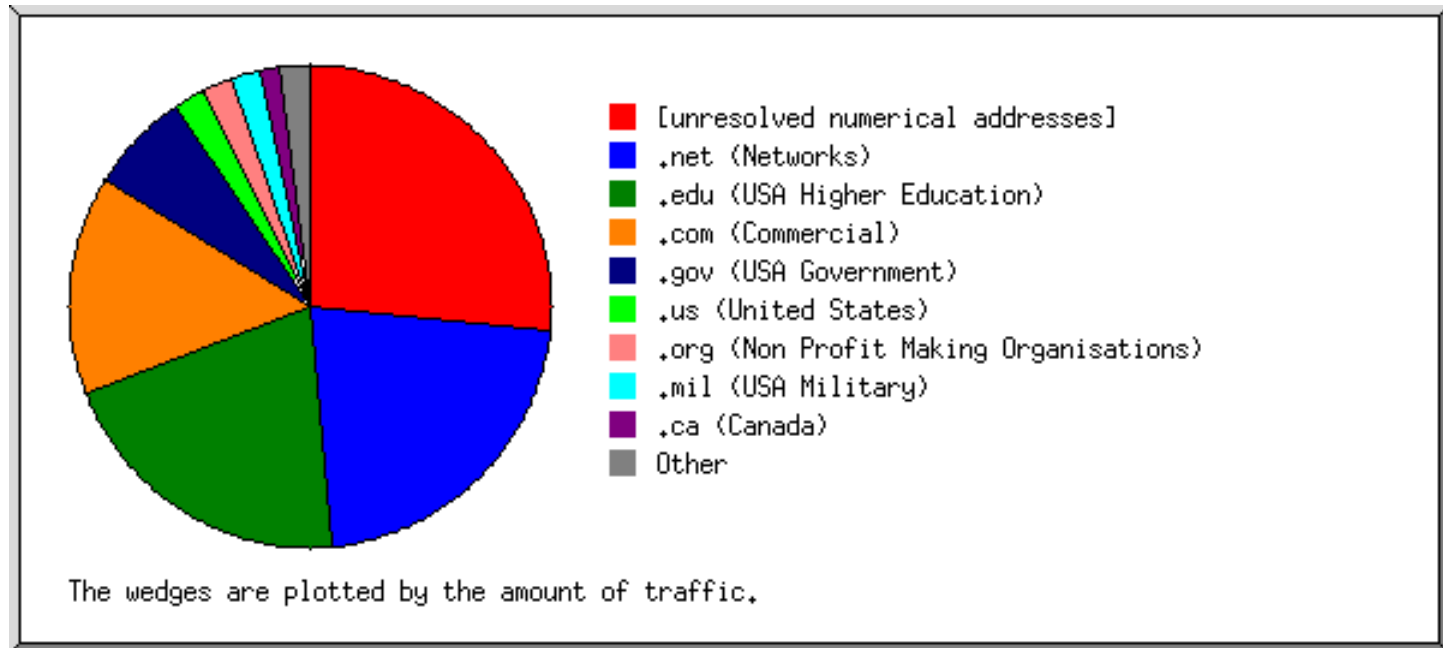
# CATALOG OF U.S. GOVERNMENT PUBLICATIONS (CGP)

## Web OPAC Statistics Since Go-Live

- Successful requests: 30,596,516
- Average successful requests per day: **53,313**
- Successful requests for pages: **686,043**
  - Average successful requests for pages per day: **1,195**
- Distinct files requested: **6,047,919**
- Distinct hosts served: 285,110
- Data transferred: **59.74 gigabytes**
  - Average data transferred per day: **106.59 megabytes**



# Web Statistics Domain Summary



# Bib and Authority Statistics

## Bibliographic records:

- Loaded nearly 535,000
  - Adding an average of 1500 records/month
- Library of Congress (all authority headings)
  - 185,000
- NASA
  - 17,600



## Annual Cumulative Performance Metrics



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Metric:	Fiscal Year 2005	Fiscal Year 2006	Fiscal Year 2007 (Thru September 30)
<b>Acquisitions:</b>			
New Titles Acquired	14,845	14,065	16,999
The number of Online and Tangible new titles acquired.			
<b>Cataloging:</b>			
Searches of the Catalog of Government Publications (CGP)	NA	10,304,381	20,650,755
Total Titles Cataloged	13,858	15,188	18,812
Total PURLs Created	9,562	11,474	11,888
<b>Dissemination/Distribution:</b>			
Total Titles Distributed	12,888	10,748	8,837
Total Copies Distributed	5,285,169	4,972,061	4,509,718
GPO Access Searches	28,335,830	26,974,587	45,468,994
GPO Access Retrievals	431,053,394	447,571,356	311,275,642
Total Number of Federal Depository Libraries (FDL)	1,263	1,265	1,257
Titles Linked to from GPO Access	117,506	47,954	55,034
Titles Available on GPO Access	184,127	209,651	224,856

# ILS Phase 2

- Enhance “Locate Libraries” to include library directory information with FDLP and public interfaces
- Enable Z39.50 access to depositories and to the general public
- Implementation of Web OPAC enhancements
- Workflow changes for path of new publications
- Add pre-1976 records to the catalog



# ILS Phase 2

- Initiate production in acquisitions module
- Enhanced serials management
- Push bib records to the depository community
- Implement the MetaLib federated searching product
- Plan for Future Digital System (FDsys) and ILS integration



# New Federal Depository Library Directory

What is it?

- A database of each depository library's directory information that provides locator services through the CGP.
  - Locate libraries holding a specific publication
  - Location and contact information for depository libraries



# What Makes It New

- Expands coverage of same functionality of the original CGP on GPO Access
- Allows searching by format (multiple 856 fields)
- Located on our ILS servers
- Additional fields
  - Notes fields for depositories to communicate with GPO and the public
  - Partnership and selective housing site
- Data export capabilities (csv, text, and html)



# Our Approach

Two phased release

- Phase 1: “Locate in a Library” functionality through 856 fields in the bib record (available when OPAC went live). Updated weekly.
- Phase 2a: directory for depositories to maintain their directory information. Password required for access, since libraries can edit their data.
- Phase 2b: public page for all other users, no password required for access.



# Phased Release

- Open to depositories to validate accuracy of their information.
- “Help” and data entry conventions guide available.
- Create presentation and archive on “OPAL” for additional guidance.
- Make public page accessible.



# Lessons Learned

- Remain conscious of demands on users.
- Expanded scope after development, to replace a failed application.
  - Did several rounds of testing then writing additional requirements, which extended release date.
- Extended out date of release.



# Z39.50 Access

Tied to our mission of keeping America informed and the provision of access to federal government information

- Our intent - provision of access to our bibliographic records to depository libraries and eventually to anyone who can access the CGP with a Z39.50 client and who has an interest in searching, retrieving and downloading our bibliographic records

# Z39.50 Access

Conducted a test of the functionality with a small group of depository library volunteers

- Technical aspects
  - Did we set up correctly
  - Can libraries access
- Searching
  - Bib-1 attribute set



# Our Approach

- Called for volunteers from the depository library community
  - Received a variety: law, state library, public libraries, academics, court library
- Provided access information and password
- Set up Web page as communication vehicle



# Lessons Learned

- Ensure participants understand that access must include involvement of the library's information technology staff
  - Plan on lead time for notification of the start date so that scheduling can be done in libraries where it is a necessity.
  - Automation staff not able to troubleshoot the variety of clients and integrated library systems used in the test. We gathered information while the test was ongoing.
- Libraries wanted as precise searching as possible, especially specific to federal publications
- Provide as much information as possible
- Feedback from testers gave us insight on how to improve



# Our Response

- Most feedback concerned Z39.50 client searching capabilities
  - Item number
  - Superintendent of Documents classification
- We requested the establishment of a bib-1 attribute for item number (as used in the depository library context) It has been approved by the Z39.50 maintenance agency
- Provide more detailed instructions on searching



# Next Steps

- Release in phases
- Concerns
  - server load – writing an application to assist in monitoring and evaluating the Z39.50 logs and server load
- Adequacy of the number of licenses we have
- Post information on the phases and releases on the National Bibliography page:

**[www.access.gpo.gov/su\\_docs/fdlp/cip/index.html](http://www.access.gpo.gov/su_docs/fdlp/cip/index.html)**



# Web OPAC Enhancements

- Expanded the available formats in the email record function in the CGP to .mrc and Aleph sequential
- Others related to ongoing upgrade to Aleph version 18
  - Implementation of the circulation module with depository libraries set up as patrons
  - Authenticated services
  - FDLP specific log-in page
  - SDI



# Brief records pilot

- Using the ILS in a test workflow from acquisitions through cataloging
- The brief record: 11 MARC21 fields
  - the ILS system number
  - fixed field (008)
  - item number (074)
  - SuDocs class number (086)
  - title (245)
  - publisher (260)
  - physical description (300)
  - notes (500)
  - series (490)
  - electronic location and access (856)



# Brief records pilot

- Created by acquisitions specialists, modified by technical information specialists, but will be completed by professional catalogers to become full cataloging records
- A pilot project was conducted, ending July 13, 2007
- GPO asked for and has been receiving comments from the FDLP community. 50 record numbers and the new pilot policy can be found on the FDLP desktop at [www.access.gpo.gov/su\\_docs/fdlp/index.html](http://www.access.gpo.gov/su_docs/fdlp/index.html)



# EPA Pilot Project

- Also a brief bibs project, to work through publications harvested during the EPA Pilot Project
- Determine workflow and staffing implications
- Estimate time required to process all publications acquired through the EPA web harvesting pilot project
- One hundred are being input in the ILS as brief records, with a 590 note to identify them



# Cataloging Initiatives

- Implementation of a separate record (by format) cataloging approach
  - Past practice has been single record
- Cataloging of our legacy paper shelflist still physically at GPO.
  - Pre-1976 materials, going back to the 1880's
  - Plan to do it under contract – process is underway to select a vendor



# Other Initiatives

Automated metadata extraction tools: goal to develop tools to create metadata records for groups of electronic documents

– Output of process is a metadata record.

- Signed an Interagency Agency Agreement with the Defense Technical Information Center and Old Dominion University for a software development pilot project
- Kick-off meeting scheduled for Oct. 18.
- Tested on a group of Congressional documents
- Presentation by developers Gopi Nair of DTIC and Dr. Stephen Zeil at ODU, given at the DTIC Annual Conference this year:

**[www.dtic.mil/dtic/annualconf/Conf07/Wednesday/Metadata.ppt](http://www.dtic.mil/dtic/annualconf/Conf07/Wednesday/Metadata.ppt)**

# Handles Transition Project

- Currently using PURLs to create persistent links
- Project to create and test handles to replace the use of PURLs and meet FDsys requirements
  - Hardware procured and set up
  - Software downloaded, installed and configured
- Still to be decided: naming conventions
  - Test handles in CGP

[Add to Bookshelf](#)
[E-mail](#)
**View:** [Standard](#) | [Short](#) | [MARC](#)

2133

[◀ Previous Record](#)
[Next Record ▶](#)

9/11 health effects : federal monitoring and treatment of residents and responders : hearing before the Subcommittee on Government Management, Organization, and Procurement of the Committee on Oversight and Government Reform, House of Representatives, One Hundred Tenth Congress, first session, February 28, 2007.

[United States. Congress. House. Committee on Oversight and Government Reform. Subcommittee on Government Management, Organization, and Procurement.](#)

Washington : U.S. G.P.O. : For sale by the Supt. of Docs., U.S. G.P.O., 2007.

<http://purl.access.gpo.gov/GPO/LPS84034>

Beta test handle <http://hdl.handle.net/10200/000603007>

Beta test handle <http://hdl.handle.net/10200/Y47473435>

Beta test handle <http://hdl.handle.net/10200/84034>

Beta test handle [http://hdl.handle.net/10200/110\\_house\\_hearings/34912.pdf](http://hdl.handle.net/10200/110_house_hearings/34912.pdf)

Beta test handle <http://hdl.handle.net/10200/pdf/911healtheffectsfederalmonitoringandtreatmentofresidentsandresponders/34912.pdf>

[Y 4.G 74/7:H 34/35](#)

9780160786952

0160786959

[1016-A](#)

[1016-A \(online\)](#)

[1016-B \(MF\)](#)

[1016-B \(online\)](#)

KF27 .O943 2007

iv, 112 p. ; 24 cm.

Distributed to some depository libraries in microfiche.

Shipping list no.: 2007-0291-P.

"Serial no. 110-2."

THIS IS A GPO HANDLES TEST RECORD, WHICH WILL BE REMOVED FROM THE CATALOG OR UPDATED AT A LATER TIME.

Also available via Internet from the GPO Access web site. Address as of 7/27/07: <http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=110%5Fh>

# AskGPO

- Customer relations management software from RightNow technologies to enable depositories and members of the public to create inquiries and categorize them to assist in the routing to subject matter experts.
- Variety of subject matter experts
- In process of evaluating categories and SMEs to increase effectiveness
- Search the Knowledge Base:

**[www.gpoaccess.gov/help/index.html](http://www.gpoaccess.gov/help/index.html)**

- Ask a question:

**[www.custhelp.com/cgi\\_bin/gpo.cfg/php/enduser/ask.php](http://www.custhelp.com/cgi_bin/gpo.cfg/php/enduser/ask.php)**



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# Education Initiatives

- OPAL – Online Programming for All Libraries - an interactive Web-based meeting and conferencing service.
- This is one of our goals related to the Government Performance and Results Act.
- Using this medium to conduct live sessions and archive sessions.
- Demonstrated the functionality of the Catalog of U.S. Government Publications (CGP) and provided tips for successful searching. The session will assist new users of the CGP, including depository library staff and the general public, in navigating through the online catalog as they search for U.S. Government information.
- Anyone can listen to and view the presentation slides at [www.opal-online.org/archiveGPO.htm](http://www.opal-online.org/archiveGPO.htm)



# Future Digital System

- Digital Content system to allow federal content creators to easily create and submit content that can then be preserved, authenticated, managed, and delivered upon request.
- Intent is to contain documents both within and beyond the scope of the FDLP, whether born print or digital



# Future Digital System

- [www.gpo.gov/projects/fdsys.htm](http://www.gpo.gov/projects/fdsys.htm)
- Blog:
- <http://fdsys.blogspot.com>
- For more information, contact the Office of Innovation & New Technology,  
[pmo@gpo.gov](mailto:pmo@gpo.gov)



# Questions or Comments?

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