

CRL Print Archives Network

Meeting with Consortium Partners

Monday February 22, 2010

1:00 - 2:30 pm Central time

AGENDA

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Attachments

I.

- A. Meeting participants
- B. Information base: project registry and project wiki

Project goals and overview of current initiatives

C. Comparison of North American print archiving agreements

I. Project Goals and Overview of Current Initiatives

At a meeting at ALA Midwinter 2010, CRL proposed to work with partner consortia to support emergence of a cooperative system for archiving print journals, newspapers, and government documents in North America, building on existing regional and domain-based initiatives. The goal of the project is to foster long-term preservation and accessibility of research materials important to the scholarly community, while systematically and significantly reducing costs.

CRL proposed to bring together two parallel streams of existing activity:

- Regional archiving projects organized around publisher content or library-selected titles
- Domain-based archiving and digitization programs organized around materials serving broad fields of study

CRL has invited consortia with active print archiving projects to work together on a planning project to develop the relationships and infrastructure necessary for a large-scale multi-consortial print archives network. The virtual meeting scheduled for February 22, 2010 is the first step in that planning process.

Print archive categories

Print archiving projects may be categorized in several ways:

1. Time period: Retrospective vs. prospective

Almost all of the current print archiving initiatives focus on archiving retrospective holdings, e.g. historical legacy volumes or materials which occupy significant space in campus libraries. The University of California Prospective Shared Print project is the only current project which proactively archives future issues of print journals.

2. Archiving activity: Built vs. de facto

In a "built archive", multiple libraries identify specific titles or categories of materials to preserve under a written retention and access agreement. Often the archiving agreement involves proactive consolidation and validation of journal holdings to create complete runs.

In a "de facto archive", libraries apply a written retention and access agreement to materials already stored or shelved, without selecting specific titles or content. This usually applies to materials in a library storage facility, where materials are selected for storage by library-specific criteria rather than a proactive choice to archive.

Note: in some cases multiple libraries share a storage facility without coordinating the materials stored and without adopting an explicit retention agreement. These operations are considered "storage" arrangements rather than "archives". Their holdings may potentially become de facto archives with the addition of a written retention and access agreement.

3. Selection method: by publisher, title, or domain

For built archives, the most common selection method is by publisher, usually based on the existence of digital versions or a digital repository. In some cases, cooperating libraries identify specific titles for archiving based on collections overlap or uniqueness (and other factors), without regard to publisher.

In a few cases, selection is based on a particular domain or discipline, such as LLMC's law materials and USAIN's agriculture archive.

Content of current built archives

Most current print archiving projects are <u>retrospective built archives of journals</u> based on <u>publisher</u> selection.

Selection Type	Consortium & Project	Status	Content
By Publisher	Center for Research	Operational	JSTOR
	Libraries JSTOR archive		
By Publisher	ASERL Cooperative Virtual	Planning	TBD spring 2010
	Storage Project		
By Publisher	CIC Shared Print initiative	Planning	TBD
By Publisher	Five Colleges (MA)	Operational	American Chemical
	Depository Archive		Society, American Physical
	Agreement		Society, APA Journals,
			Institute of Physics, JSTOR,
			and Project Muse.
By Publisher	GWLA Distributed Print	Planning	TBD spring 2010
	Archive		
By Publisher	Orbis-Cascade Alliance	Operational	American Chemical
	Distributed Print		Society, JSTOR
	Repository		
By Publisher	PALCI Distributed Journal	Planning	American Chemical
	Archive		Society, Institute of Physics
By Publisher	University of California	Operational	JSTOR
	JSTOR Archive		
By Publisher	Western North Carolina	Operational	JSTOR
	Library Network JSTOR		
	archive		
By Title (Library-Selected)	OCUL Thunder Bay	Planning	TBD
	Agreement		
By Title (Library-Selected)	TRLN Single Copy Policy	Operational	Title list available
To be determined	CIC Shared Print program	Planning	TBD
To be determined	Western Regional Storage	Planning	TBD
	Trust (WEST)		

Domain-based archiving initiatives

In partnership with the Law Libraries Microfilm Consortium (LLMC) and the U.S. Agricultural Information Network (USAIN), CRL has submitted a proposal to the IMLS National Leadership Grant Program for "Cooperative Print Archiving by Discipline: Developing an Infrastructure to Sustain Scholarly Resources" in the fields of law and agriculture. If funded, CRL and its partner organizations will assemble an information base of archived holdings, document baseline archiving conditions and access services provided, and create consensus on expanding the archives and services to additional content and participants.

Prospective archiving

CRL and the University of California (UC) had offered a proposal to transfer ongoing development of UC's shared print archive of over 4,600 licensed e-journal titles to CRL beginning in 2010. This proposal attracted a strong core of support among CRL libraries. However, the number of positive responses received by the response date was not sufficient to cover the cost of implementing the project as it is currently designed. In addition, there was concern at that time that UC's future shared print holdings may be impacted by journal reduction targets established for 2010 as a result of the economic downturn. CRL and UC are evaluating the responses and determining next steps, which may include considering how to incorporate this project into the larger context of broader national print archiving efforts that are underway. One possibility may be to link the prospective archives to retrospective archives for the same publisher content, to create a complete backfile with ongoing future archiving. This approach could provide a compelling value proposition for libraries.

III. Proposal for a prototype multi-consortial print archive

Proposal

CRL proposes to design a prototype networked project building on the overlap among currently-active built archives for four sets of publisher content:

- JSTOR (CRL, Five Colleges (MA), Orbis-Cascade, University of California, WNCLN)
- American Chemical Society (Five Colleges (MA), Orbis-Cascade, PALCI)
- American Physical Society (Five Colleges (MA), PALCI)
- American Institute of Physics (Five Colleges (MA), PALCI)

It is important to note that these archives are not necessarily complete individually or in the aggregate. Other "de facto" or "title-by-title" projects also have archived some of these titles and should be incorporated into the project. The listing of consortium names above is not intended to limit participation to those organizations.

The goal of the prototype project is to work out the relationships, agreements, technologies, and costs on a manageable scale while continuing to plan for a large-scale North American or multi-national network. The critical path is to define the necessary infrastructure such that, once defined, new content, new formats, and new participants could be added with relative ease.

Working with consortial partners, CRL would develop plans and cost estimates to establish these infrastructure components:

- A common database of archive holdings (lightweight mechanism hosted or arranged by CRL)
- Service agreement(s) between archiving consortia, other consortia, and CRL
- An access/delivery mechanism among participants (RAPID or similar)
- A business model identifying cost factors and cost-sharing principles, with estimated costs and benefits for participants of varying characteristics.

The deliverable of the prototype project would be a plan and design for a multi-consortial print archives network. Ideally the project would also include some data prototyping, if it can be accomplished at little or no direct cost. The plan could serve as the basis for a proposal to funding agencies.

The proposed timeframe for the project is March through September 2010.

Action requested

Endorse proposed prototype as a framework for near-term planning

IV. Service agreements

Commonalities

Attachment C describes the detailed terms and conditions for a variety of consortial print archiving initiatives in North America. A comparison of the formal <u>built archive projects</u> shows certain common features among those with written service agreements. Some agreements were derived from the CRL Distributed Print Archive Agreement first developed in 2003.

- Legal agreement between the parties: a separate document specifying the archiving and access/delivery services to be provided, signed by the participating organizations.
- Term of agreement, or retention period: an explicit statement of the period of time for which archives and services will be maintained. Time periods among these examples include 7 years, 10 years, 25 years, and "perpetual".
- Ownership: a statement of which organization will own the physical materials once archived. In most cases the original owner retains ownership.
- Recall and/or exit terms: description of terms for removing materials from the archive, either by the original owner or upon dissolution of the archive.
- Condition and completeness validation: description of the level of assessment to be performed (if any)
- Disclosure: description of where and how archival metadata are to be recorded. The current
 initiatives typically specify that the archival status is to be added to the local catalog and
 consortial catalog (if applicable). Most agreements provide little or no specific detail about how
 the disclosure metadata is to be handled, although in some cases this is spelled out in other
 documents or procedure manuals.
- Access/delivery: identification of user categories (members, nonmembers, patrons) who may request access and types of access provided (onsite, physical loan, digital delivery). The details vary by archive, but each agreement specifies the nature of access/delivery provided.
- Cost: description of cost or cost-sharing to provide archiving services. The vast majority of these
 agreements do not mention any additional cost or cost-sharing for providing archiving services
 and delivery. Most likely this is because the print archiving initiative is supported by an existing
 consortium with an existing cost-sharing model, or, for distributed archives such as OrbisCascade, PALCI, and TRLN, assumes that many participants will incur costs which will be more or
 less equitable across the group.

Proposed baseline features

For purposes of discussion, the following proposal outlines suggested baseline features of a multiconsortial print archiving agreement administered by CRL:

- Form of agreement: Written legal agreement or MOU between CRL and participating consortium acting on behalf of some or all of its members
- Term of agreement or retention period: 25 years with automatic review every 10 years
- Ownership: Remains with original owner
- Recall/exit terms: Offer material to other participating libraries or consortia
- Access and delivery:
 - Access will be provided to libraries which are members of participating consortia, and to CRL libraries [other details TBD]
 - o Request and delivery mechanism: TBD
- Business model principles:
 - Infrastructure costs will be calculated and shared among participants according to a formula to be developed
 - Costs may include partial support for archive space and building operations, information base and systems, administration

Action requested

Adopt baseline features as initial working assumptions, refine further over the course of the project

V. Print archives metadata

One of the most important success factors for a large-scale print archives network will be a system and metadata to support archiving decisions and access: to display archive status, support consolidation of holdings, and facilitate local deaccessioning. Most existing print archives projects rely on locally-maintained spreadsheets, but a large-scale print archives project would benefit from a more robust system for disclosing and comparing archive holdings. At the same time, it will be important to minimize costs by developing a lightweight infrastructure.

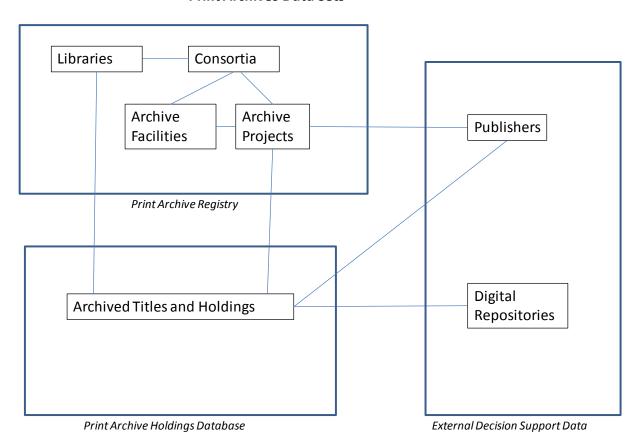
Data sets

Several categories of metadata will be necessary:

- Archive registry (e.g. consortium or institution, description, services, archiving conditions)
- Archived holdings (e.g. title-level bibliographic data, detailed volume holdings, gaps, condition)
- External decision-support data (e.g. related digital repositories, optimal copies definition)

Below is a representation of the primary print archives data sets and the relationships among them.

Print Archives Data Sets



System options for print archives metadata

There is no single system which currently supports all the requirements of a Print Archive Holdings Database, but several systems or databases provide some of the necessary features:

- OCLC WorldCat
- OCLC-Hathi Trust database
- Ulrich's Serials Analysis System
- RAPID
- Ithaka "What to Withdraw" decision support tool

More information about each of these is given below.

Action requested

If possible, identify most promising directions for holdings metadata system(s). All will require further exploration and cost estimates.

OCLC WorldCat

583 tag

OCLC and the Library of Congress have proposed extensions to the 583 Action Note (often used for preservation actions) to record print archiving commitments for both monographs and serials. CONSER recently endorsed a proposal to store preservation data in the 583 action note in a communal local holdings record, rather than in the bibliographic record. This would make it easier to see at a glance all the institutions that have taken preservation actions or made preservation commitments to a particular title. OCLC Programs is supporting a project with UCLA, Penn State, and NYU to test the feasibility of creating local holdings records containing print archiving commitments with automated batch-loads to WorldCat. This work is expected to be complete by June 2010. (For further information, see http://www.loc.gov/acq/conser/PreservationActions.pdf .)

Advantages: Ubiquitous worldwide access to WorldCat, existing user base in technical services, could support existing related systems such as ILL systems, OCLC Collection Analysis Service, other APIs.

Disadvantages: 583 tag valid at title level, less reliable for volume level unless communal LHR process proves workable

049 tag (holdings symbol)

Some print archives or repositories (UC regional library facilities) provide a 4-character holdings symbol in the 049 tag to indicate that this title is held in the storage facility.

Advantages: A quick-and-dirty method to identify stored/archived materials at a very general level.

Disadvantages: Less useful for journals. Needs a method to map individual holdings symbols to global print archives registry.

OCLC - Hathi Trust database

OCLC has created a database and data mining system to compare holdings from the HathiTrust digital repository and the WorldCat database. This is a special-purpose database created for the Mellon-funded Cloud Library project, but potentially could serve as the basis for a print archives database especially to support decisions based on existence of digital copies. (For further information, see http://vre2.upei.ca/access2009/tennant)

Advantages: Compares individual libraries' WorldCat holdings against electronic full-text titles in the HathiTrust, to identify "archivable" titles based on existence of digital repository.

Disadvantages: Valid for title-level data. May not be supported by OCLC upon completion of the Cloud Library project.

Ulrich's Serials Analysis System

Ulrich's maintains a database of over 300,000 serial records, with an XML Data Service product which could be used as the base for a specialized print archives database. These records already include non-MARC data such as peer-reviewed status and links to corresponding digital versions, and could be enhanced to include related print archives data. (For further information, see http://www.ulrichsweb.com/ulrichsweb/analysis/default.asp?navPage=48

Advantages: A broad scope of coverage and detailed information about a vast number of serials.

Disadvantages: Probably would require central purchase and maintenance of Ulrich's data. Includes summary holdings (publication range) only.

RAPID

The RAPID system maintains journal holdings data to support ILL. RAPID is known for its customized processing of library holdings data to normalize holdings records. While RAPID is a contender for ILL support of the print archives network, its database may also be a source for archiving disclosure and decision support. (For further information, see http://rapidill.org/PublicContent/AboutRapid.aspx#t12)

Advantages: Validated journal holdings data, experience with custom algorithms to normalize data.

Disadvantages: Designed to work with journal date ranges (years) rather than physical volumes.

<u>Ithaka What to Withdraw Decision Support Tool</u>

Ithaka has developed a prototype decision support tool to operationalize some of the principles outlined in their paper "What to Withdraw". This tool is a spreadsheet which includes data on JSTOR titles with

built-in queries to allow libraries to define custom thresholds for fields such as "number of copies" and "image density". (For further information, see http://www.ithaka.org/ithaka-s-r/research/what-to-withdraw/print-collections-decision-support-tool)

Advantages: Incorporates external non-MARC factors into the print archiving decision

Disadvantages: Currently limited to JSTOR titles. Lightweight spreadsheet system so far.

VI. Next Steps

Assuming endorsement of the proposed pilot project, CRL proposes to work closely with staff of the participating consortia to:

- 1. Develop MOUs to specify service agreements and commitments
- 2. Specify requirements for systems and tools needed to support holdings disclosure and decision support
- 3. Identify cost elements and develop cost estimates
- 4. Develop business model(s) which recognize both regional and national relationships

CRL would like to schedule monthly conference/Web meetings with the larger consortial partner group to report progress and continue planning. Working with this group, CRL also aims to identify opportunities for external funding to support implementation of a national-level agreement and services.

Attachment A

Expected Participants in Web meeting 02/22/2010

ASERL: John Burger (jburger@aserl.org), Cheryl Cole-Bennett (ccole-bennett@aserl.org)

CIC: Mark Sandler (msandler@staff.cic.net), Kim Armstrong (karms2@staff.cic.net)

Colorado Alliance: Michael Levine-Clark (michael.levine-clark@du.edu), George Machovec (george@coalliance.org)

Five Colleges (MA): Jay Schafer (jschafer@library.umass.edu)

GWLA: Joni Blake (joni@gwla.org)

JURA, University of Hong Kong: Tony Ferguson (ferguson@hkucc.hku.hk)

LLMC: Kathleen Richman (kathleen.richman@llmc.com)

Lyrasis: Tim Cherubini (timothy.cherubini@lyrasis.org)

OCUL: Kathy Scardellato (kathy.scardellato@ocul.on.ca)

OhioLINK: Dona Straley (straley.1@osu.edu)

Orbis-Cascade Alliance: John Helmer (jhelmer@uoregon.edu)

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Attachment B Information Base: Project Registry and Project Wiki

Project registry

CRL has developed a preliminary registry of print archiving projects on its website at http://www.crl.edu/archiving-preservation/print-archives/

The registry includes a brief narrative summary of existing consortial archiving projects, grouped in these categories:

- CRL-administered projects
- North American projects
- International projects.

Clearinghouse for shared practices

CRL has established a space for the Print Archives Network on its Confluence wiki at http://workspace.crl.edu. This space will provide a place for participating institutional representatives and CRL staff to share information about practices, collections, costs, and services, and to make key decisions about the collaborative print archiving program. Participant user IDs and passwords have been established and will be sent separately

The Print Archives wiki currently is organized into the following categories:

- Documents
- Meetings
- Members
- Messaging to the community
- Service agreements
- Systems and data for holdings

Attachment C: Archving Agree	Comparison of North American Print ements					
	Consortium or Institution	Center for Research Libraries	Five Coll	eges (MA)	Ontario Council of University Libraries (OCUL)	Orbis-Cascade Alliance
	Project or Policy Title	JSTOR Print Archive Project	Depository Policy (for members)	Affiliate Member agreement (for nonmembers)	Thunder Bay Agreement	Distributed Print Repositor Member Institution Agreement
Governance	I					
	Participants	CRL Libraries	University of Massachusetts and Amherst, Hampshire, Mount Holyoke, and Smith Colleges	Middlebury College, CTW Consortium, Boston Library Consortium, Bowdoin College	OCUL members	Individual Alliance members
	Governing body Legal agreement	CRL no (policy)	Five College Librarians Council no (policy)	Five College Librarians Council yes	OCUL members no (policy)	Orbis-Cascade Alliance yes
	Term of agreement	not specified, permanent is implied	not specified, permanent is implied	7 years (2 year renewals)	not specified, permanent is implied	25 years
	Ownership	Transfers to CRL	Transfers to consortium, except for Umass volumes	Transfers to consortium	Original owner	Library of Record (original owner, or new library if transferred)
	Retention	permanent is implied	permanent is implied	permanent is implied	permanent is implied	25 years
	Compensation for archiving	Cost-sharing via member fees	Cost-sharing via member fees	~\$1,000 to \$3,000 annually	None	None
	Exit terms	not specified	U Mass volumes returned to them, equitable distribution of other volumes to the 4 colleges		Not specified	Return to original owner, to another Orbis member, or to Orbis storage facility (future)
Selection						
	Archive Type	Built	Built Little-used periodicals and	Built	Built (library-selected)	Built Academic journals and other
	Materials archived	Journals	books	Journals	Journals	research materials
	Retrospective/Prospective Selection criteria	Retrospective JSTOR	Retrospective As selected by member libraries. Specific consolidation underway for JSTOR	Retrospective Journals published by ACS Legacy Archives, American Physical Society, APA Journals, Institute of Physics, JSTOR, and Project Muse.	Retrospective Individual titles nominated by libraries	Retrospective JSTOR and American Chemical Society titles
	Duplication allowed	no	no	no	not mentioned	not mentioned
	Condition assessment	yes (by donor)	yes	not mentioned	not mentioned	yes
	Content validation	not specified	not mentioned	not mentioned	not mentioned	yes but not specified
Disclosure						
	Archived status recorded (local)	Local catalog		not mentioned	Local catalog	Local catalog (no details)
	Archived status recorded (union) Archived status recorded (national)	not mentioned not mentioned		not mentioned not mentioned	Scholars Portal not mentioned	Orbis Summit (no details) not mentioned
	, ,					
Collection Mar	nagement					
	Archive location	CRL facility	Amherst College Library Depository	Amherst College Library Depository	Member library open or closed stacks	Member library open or closed stacks
	Environmental conditions	not specified	not specified	not specified	not specified	Recommended, not required
	Shelving requirements	CRL actual (high- density)	not specified	not specified	not specified	Can be open or closed stacks with any of these conditions: closed stacks with paging; stored in a physically separate location; anti-theft devices; locked in a vault
	Provision for audit	no?	not specified	not specified	not specified	no
	Repair/replacement	not specified	If lost or damaged during circulation, borrowing library must repair/replace	not specified	not specified	Holding library shall use reasonable efforts
	Recalls	not specified	Allowed for U Mass, not for colleges	not specified	not specified	no provision
	Deselection by archive	not specified	not specified	not specified	not specified	none except Exit Terms
	Provision for counting volumes	no (ownership transfers)	Original owner may count volumes	not mentioned	Original ownership does not change	not mentioned
Access	I					
	User categories identified	CRL members, nonmembers	Five Colleges members, Affiliate members, ILL, general public	Affiliate members	separate existing policies	Alliance members, others
	Delivery modes	Print volume	Periodicals: Onsite and document delivery only. Books and Serials: Onsite or delivery to FC library for reserve use. For general public: onsite use only.	Onsite, document delivery, photocopy, bound volumes to in-library use	separate existing policies	Physical: onsite only, delivery to another Alliance library for onsite use may be negotiated. Electronic or photocopy: according to local policies.
	Request system	ILL (various)	For returnables: FC library system. Others not specified.	Document delivery: by email. Bound volumes: ILL to U Mass	separate existing policies	not specified, consortial Summit assumed
	Access/delivery fees	no	only for ILL	included in subscription	no	no
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Attachment C: Archving Agree	Comparison of North American Print ements				
	Consortium or Institution	PALCI	TRLN	U of California	U of California
	Project or Policy Title	Distributed STM Print Serials Archive Project	Single Copy Program Memorandum of Understanding	Persistent Deposits in UC Regional Library Facilities	JSTOR
Governance					
	Participants	Specific members of PALCI	TRLN members Duke, UNC-Chapel Hill, North Carolina State, North Carolina Central	University of California libraries	University of California libraries
	Governing body Legal agreement	PALCI yes	TRLN yes	University of California system	University of California system no (policy)
		10 years (through 12/2019)	indefinite, "until	no (policy) permanent, reviewed after	permanent, reviewed after
	Term of agreement	but reviewed after 5 years	terminated"	5 years (2011)	5 years (2011)
	Ownership	Library of Record (original owner, or new library if transferred)	Original owner	Original owner	Original owner
	Retention	10 years (same as term)	"To the extent practicable, accessshall beperpetual"	permanent	permanent
	Compensation for archiving	None	None	None	None
	Exit terms	a good faith effort to place materials with another PALCI member	not specified (see Recalls)	not specified	not specified
Selection	l				
_0.000001	Archive Type	Built	Built (library selection)	De facto	De facto
	Materials archived	Academic STM journals	Various	Various	Various
	Retrospective/Prospective	Retrospective, through 2000		Retrospective	Retrospective
	Selection criteria	Individual journals published by American Chemical Society, American Physical Society, American Institute of Physics	Individual titles nominated by libraries	Transferred by libraries	Transferred by libraries
	Duplication allowed	not mentioned	does not interfere with other campus or facility- based non-duplcation policies	no	no
	Condition assessment	yes	yes	Not specified	Not specified
	Content validation	number, issue, volume	yes, "completeness of content"	Not specified	Not specified
Disclosure					
Disclosure	Archived status recorded (local)	Local catalog (no details)	Local catalog (no details)	local catalog (no details)	local catalog (no details)
	Archived status recorded (union)	PALCI website	not mentioned	UC Melvyl (no details)	UC Melvyl (no details)
	Archived status recorded (national)	not mentioned	not mentioned	not mentioned	not mentioned
Collection Mar	nagement				
	Archive location	Member library open or closed stacks in the "best environmental and physical conditions the Member library can reasonably offer".	Libraries shall cooperate in selecting the storage facilitiesAccessible campus library shelving is an acceptable storage location.	UC Regional Library Facilities (RLFs)	UC Regional Library Facilities (RLFs)
	Environmental conditions	not specified "best available"	not specified	RLF actual	RLF actual
	Shelving requirements	not specified "best available"	not specified	RLF actual (high-density)	RLF actual (high-density)
	Provision for audit	Inventory of materials may be requested	no	no	no
	Repair/replacement	Holding library shall use reasonable efforts	Owning library shall use reasonable efforts	not specified	not specified
	Recalls	no provision	If approved in writing by "an authorized representative"	Allowed, persistence remains, must be returned to RLF if not wanted	Allowed, persistence remains, must be returned to RLF if not wanted
	Deselection by archive	none except Exit Terms	not specified	not specified	not specified
	Provision for counting volumes	not mentioned	not mentioned	not mentioned	not mentioned
Access	·				
	User categories identified	PALCI members, others	TRLN members	separate existing policies	separate existing policies
	Delivery modes	Light archive: per library's policies (PALCI policy being developed). Dark archive: will not cirulate outside the library, nor can they be lent.	not specified	separate existing policies	separate existing policies
	Request system	policies and procedures being developed	not specified	separate existing policies	separate existing policies
	Access/delivery fees	no	see MOU concerning TRLN Interlibray and Document Delivery services	no	no