Libraries Australia Cataloguing Service

CBS v4.1

The upgrade of the Libraries Australia Cataloguing Service to CBS 4.1 was successfully completed on 28 November 2008. The main benefit of the upgrade was adding functionality to support the implementation of SRU Update between Libraries Australia and WorldCat. Other changes included the display of the search command in Short title display, and a new OCLC symbol field in the library profile.

SRU Record Update

SRU Record Update between Libraries Australia and WorldCat was implemented in January 2009. Bibliographic record and holdings updates in Libraries Australia are transmitted to WorldCat within a few seconds. This ensures that Australian library data in WorldCat is up-to-date. Libraries Australia was the second service in the world to use SRU Record Update to WorldCat; the Dutch Union Catalogue was the first.

An OCLC identifier is returned to the ANBD when a bibliographic record is added to WorldCat or matched with a WorldCat record for the first time.

Currently the Cataloguing Service (CBS) supports contribution of records to the ANBD from customer library management systems via SRU Record Update in "interactive" mode (i.e. without matching and merging). This option enables libraries
to search their own database and Libraries Australia and then update both databases simultaneously with bibliographic and/or holdings data. By the end of the year Libraries Australia also hopes to be able to support SRU Record Update in "background" mode (i.e. where records are passed to CBS match/merge). This option will enable libraries to catalogue within their own system and contribute to the ANBD without prior searching of the ANBD. Libraries Australia is encouraging Australian libraries to ask their system vendors to develop support for SRU Record Update.

**OCLC identifiers**

As part of the implementation of SRU Record Update, OCLC bibliographic record identifiers have been added to most ANBD records in the Cataloguing (CBS) Database. However they have not been added to the Search Database. Libraries Australia is currently planning the addition of OCLC Identifiers to the Search Database. Their addition to the Search Database will:

- improve deep linking from WorldCat (especially to unique items that don’t contain ISBNs or ISSNs), and
- provide an additional key for the matching of records.

To support the addition of these identifiers to customer library management systems, Libraries Australia is planning to offer ANBD number/OCLC Id concordance files. Libraries Australia is aware that the inclusion of any new data element in records may have an impact on member libraries and will give at least three months notice of the change.

**Offline Duplicate Detection and Resolution**

Following the first production run of the CBS duplicate detection software on the ANBD in September 2008, there have been three more runs using Library of Congress number as the match key. A total of 24,000 duplicate records have been removed. Libraries Australia is currently working with OCLC Leiden to configure and test software to detect and resolve duplicate records using OCLC bibliographic identifier and ISBN as match keys.

**Table of Contents Data Project**

Options for enhancing ANBD records with Table of Contents (TOC) data were explored. The bulk of the 1.3 million ANBD records with TOC data are derived from a subscription to the Blackwells TOC service.

The Library of Congress was identified as the only major repository for deriving free Table of Contents data. The ANBD contains 352,000 records with links to the Library of Congress’ TOC data in field 856. 160,000 of these records already contain TOC data in field 505. Three options were identified for enhancing the remaining records with TOC data harvested from the Library of Congress’s web site. All three options utilise the links in field 856 to retrieve this data but they differ on the process
for inserting the data into existing ANBD records. The preferred method is to use the Record Import Service matching and merging rules to match and merge TOC data with existing database records.

The project will be activated in the second quarter of this year.

The Australian Defence Force Academy Library (ADFA) was also identified as potential source of TOC data but they were scoped out of this investigation. Earlier exchanges with ADFA, in 2002, indicated that they would seek a benefit for supplying this data and discussions stalled. We will re-initiate discussions once a decision on data acquisition strategy has been finalised. The ADFA Library creates TOC data for half of the materials processed with content headings held in separate 990 tags.

ANBD Maintenance

From 1 July 2008 to 31 March 2009 Global Holdings Updates were performed for 54 libraries resulting the updating or deletion of 520,000 holdings.

Libraries Australia Record Import Service

128 organisations now contribute to the Australian National Bibliographic Database (ANBD) using the Record Import Service (RIS); included in this total are three consortia providing contributions on behalf of 50 libraries. In total, 178 libraries contribute to the ANBD via the RIS.

The following libraries commenced using the RIS during the period 1 July 2008 to 31 March 2009:

- Australian National University Library (ANU)
- John Curtin Prime Ministerial Library (WCU:JC)
- State Library of NSW for their Mitchell Library (NSL:M)
- Thorpe Bowker
- WA TAFE Consortium (WOT).

The Western Australian Child Protection Services library (WCW) also used RIS for the first and only time to remove all their holdings from the ANBD before their library was disbanded.

WorldCat Cataloguing Partners service

Use of the OCLC’s WorldCat Cataloguing Partners (formerly known as PromptCat) “Basic” service is available free to any Libraries Australia member. The service provides MARC records for materials purchased through participating vendors. Libraries Australia has had discussions with OCLC and has confirmed that Australian libraries can opt to have a copy of the records supplied through the service sent directly to the ANBD.

RIS Authority Data Service

During this period two significant database conversions were applied to the ANBD test environments to enable matching of incoming authority records using current
and superseded ANBD control numbers and local system numbers (where these are present in the test data). Two test files from the National Library were loaded and staff performed an audit of the data to determine probable errors and issues with the first major upload of authority records and any subsequent loading activity. Of the 2000 test records provided 70% were name authorities, 20% were uniform title authorities and 10% were subject authorities.

The main issues to resolve are:

- duplication of names headings in both the incoming file and the ANBD authority file (i.e. names as names versus names as subject);
- obsolete or non-preferred forms of the authority overwriting the correct or current authoritative term; and
- matching on text strings within the main heading (field 1XX) is currently not supported. In the current data sample, text string comparison indicated that 80% of records without control number matches could have successfully matched on the main heading.

Two benefits evident in the process are:

- the addition of traced headings (See Also references) to the ANBD authority file; and
- the addition of an Australiana code (field 042) to existing Australian name authorities when they are overlayed with the incoming record.

Libraries Australia Record Export Service and Products

371 libraries are currently registered to use the Record Export Service (RES). Fifteen libraries began using the RES during the period 1 July 2008 to 31 March 2009, and are listed in Appendix A.

WorldCat Synchronisation

The first gap load of data to WorldCat was completed in November 2008. 3,208,740 records were processed, adding 268,079 new bibliographic records to WorldCat. A second gap load of 312,964 bibliographic records was completed in December. These gap loads were necessary to synchronise the ANBD and WorldCat prior to the implementation of SRU Record Update.

Libraries Australia Document Delivery Service

726 libraries are currently registered to use the Libraries Australia Document Delivery Service (LADD). Fifty-three libraries joined LADD during the period 1 July 2008 to 31 March 2009, and are listed in Appendix B.

Seventy libraries are now using ISO ILL-compliant systems to interoperate with LADD. The following libraries began interoperating with LADD using the ISO ILL protocol:

- Australian Defence Force Academy (ADFA)
- CSIRO (VS:CL)
• Glenelg Libraries (VGLEN)
• Port Phillip Library Service (VPPLS) and
• Stonnington Library (VSLIS).

ISO ILL interoperability testing is currently underway with:
• Defence Science and Technology Organisation (VDSTO) locations (Relais system)
• Infotrieve (IDOC) (VDX system)
• Monash University (VMOU) (Relais system) and
• Swinburne University of Technology Library (VSWT) (Relais system).

VDX 3.2.1

The Libraries Australia Document Delivery Service was upgraded to VDX 3.2.1 in November 2008. The upgrade included:
• pop-up calendars;
• an action drop-down menu in the ILL Results Screen; and
• Item Format replacing Material Type, with an increased number of formats able to select the ability to search on 13 digit ISBNs.

Libraries Australia Search

Release 2.4 of the Libraries Australia Search service was introduced in instalments. New functionality now includes direct access to the Maps of Australia service which provides a geospatial search; and the addition of more online bookshops such as the National Library’s new online service.
Enhancements include Context Objects in Spans COinS support for the MARC databases available through Libraries Australia (Appendix C outlines how to use it), improved readability of the holdings display, and a change to the name of RIS as an option in the download citation format. The latter was requested at the Libraries Australia Forum, and it is now referred to as citation format (e.g. EndNote).

Service availability

The Libraries Australia search platform runs on Teratext. Recent intermittent outages in Record Import Service performance were examined by the National Library’s Information Technology Division, and by SAIC, which maintains and markets Teratext. As a result, the Library has commenced a process of purchasing additional high-end server capacity. This capacity will be introduced mid 2009, and is expected to dramatically improve search performance.

Memberships

The process which sought funding details from special libraries resulted in a few cancellations. Attached to the 1,248 current members, the number of active user-ids is:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>contributing libraries</td>
<td>5,522</td>
</tr>
<tr>
<td>non-contributing</td>
<td>1,388</td>
</tr>
<tr>
<td>libraries</td>
<td></td>
</tr>
<tr>
<td>total active user-ids</td>
<td>6,910</td>
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</table>

There were 30 cancellations and 33 new members between July 2008 and March 2009. Of the cancellations, 31% are due to library closures and the remainder no longer require use of the service.

Enquiries

![Monthly Help Desk Enquiries](image_url)
Help Desk Statistics  
July 2008 - March 2009

Note: Question time, which was held in December 2008, was not as widely responded to as in the previous year, so will be rested in 2009.
# Training Courses between July 2008 and March 2009

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Number of Courses</th>
<th>Trainees</th>
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<tbody>
<tr>
<td>Libraries Australia Search</td>
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<td>16</td>
</tr>
<tr>
<td>Cataloguing Client</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Libraries Australia Document Delivery</td>
<td>10</td>
<td>63</td>
</tr>
<tr>
<td>Libraries Australia Document Delivery Online</td>
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<td>Total</td>
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<td>112</td>
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# Australian Capital Territory

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<tr>
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<td>14</td>
</tr>
<tr>
<td>Cat Client</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>Doc Del</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Doc Del Online</td>
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# New South Wales (UNILINC & State Lib NSW)

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<td>7</td>
</tr>
<tr>
<td>Cat Client</td>
<td>2</td>
<td>16</td>
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<tr>
<td>Doc Del Online</td>
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# Northern Territory

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<tr>
<td>Doc Del Online</td>
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# Queensland

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<tr>
<td>Cat Client</td>
<td></td>
<td></td>
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<tr>
<td>Doc Del Online</td>
<td></td>
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</tbody>
</table>

# South Australia (Adelaide TAFE & UNI SA)

<table>
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<tr>
<th>Course Description</th>
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<th>#participants</th>
</tr>
</thead>
<tbody>
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<tr>
<td>Cat Client</td>
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<td></td>
</tr>
<tr>
<td>Doc Del Online</td>
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</tbody>
</table>

# Tasmania (TAFE & State Library)

<table>
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<tr>
<th>Course Description</th>
<th># courses</th>
<th>#participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA Search</td>
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<tr>
<td>Doc Del Online</td>
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</table>

# Victoria (including CAVAL training in Western Australia)

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<thead>
<tr>
<th>Course Description</th>
<th># courses</th>
<th>#participants</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Cat Client</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doc Del Online</td>
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</table>
Outreach activity


The Australian Library and Information Association conference, October 2008, Alice Springs: a single booth in a strategic location; 400 Libraries Australia calico bags with notebooks and pens were packed onsite for the delegates. The notebooks were highly regarded and feedback was received on how useful and well designed they were. Many brochures were also distributed.

Visits to nine university libraries: University of New England, Armidale; July 2008; Southern Cross University, Lismore and University of Southern Queensland, Toowoomba, September 2008; Deakin University, Geelong, October 2008; University of Western Sydney, Penrith; University of Technology, Sydney; Macquarie University, Ryde; the University of Sydney, and the University of New South Wales, March 2009.

The Information Online conference and exhibition, January 2009 in Sydney saw the launch of the mobile phone sock (800 distributed); demonstrations on request included the Libraries Australia’s presence on 'ning'; Libraries Australia free search, APAIS access for small libraries; Libraries Australia Search – find booksellers option; access to OCLC's WorldCat; the subscription process and charges.
A design has been chosen for a new Libraries Australia e-newsletter which will be emailed to libraries and made available on the web site. It has a similar look-and-feel to the newsletter provided by Electronic Resources Australia, which is available at <http://era.nla.gov.au/for_libraries/eNewsletterarchive.html>.

**Recommendation**

The Libraries Australia Advisory Committee to note the report.

Collaborative Services Branch  
Contact: Debbie Campbell  
dcampbel@nla.gov.au  
02 6262 1673

31 March 2009
Appendix A

Libraries which began using the Record Export Service during the period 1 July 2008 to 31 March 2009 were:

- Australian Taxation Office: DA Services
- Ballarat Fine Art Gallery Library (VBFA)
- Barossa Council Public Library (SBCPL)
- Brisbane City Council Library Services - Multi Lingual Library Book
- Brisbane City Council Library Services - ALS
- Calyx Group Library (NCG)
- City of Norwood Payneham and St Peters Library Service (SNPS)
- City of Playford Library Service: Playford Library Service
- Elizabeth Civic Centre Library (SEPL)
- Gunnedah Shire Library (NNRLG)
- Katanning Public Library (WKAT)
- South Australian Public Library Network: Sound Text Media (SSLP:STM)
- St Vincent's Hospital (Melbourne): Carl de Gruchy Library (VSV)
- State Library of South Australia: Royal Geographical Society of South
- Australia Library (SRGS)
- Wagga Wagga Base Hospital Library Services (NWWH).
Appendix B

The following libraries joined the Libraries Australia Document Delivery service during the period 1 July 2008 to 31 March 2009:

- Alzheimer's Australia (WA) (WALZ)
- Australian Communications and Media Authority (VACA)
- Australian Government Solicitor - Sydney Library (NAGTS)
- Baker & McKenzie (NBM)
- Berri Library & Information Centre (SBLIC)
- Carers NSW (NCARE)
- City of Onkaparinga Libraries: Noarlunga Library (SNRL)
- Clayton Utz Solicitors Perth (WUTZ)
- Defence Library Service - Australian Defence College (AJSSC)
- Defence Library Service - Canberra (ADLS:CP)
- Defence Library Service - Canungra (QLWC)
- Defence Library Service - Cerberus (VCERB)
- Defence Library Service - Darling Downs (QAAVNC)
- Defence Library Service - Darwin (XCOONA)
- Defence Library Service - East Sale (VBSESL)
- Defence Library Service - HMAS Albatross (NDLS:AL)
- Defence Library Service - HMAS Creswell (NDLS:CR)
- Defence Library Service - Hunter – Williamtown (NAJWE)
- Defence Library Service - Liverpool (NSMENG)
- Defence Library Service - Macleod (VSSIGS)
- Defence Library Service - Melbourne (VDLS)
- Defence Library Service - North Queensland (QNQ)
- Defence Library Service - Puckapunyal (VPUCKA)
- Defence Library Service - Sydney (NNSWD)
- Defence Library Service - Wagga Wagga (NNRTB)
- Defence Library Service - Williams (VDLS:WI)
- Defence Library Service - Wollongong (NDLS:WO)
- Department of Ageing, Disability and Home Care (NADH)
- Department of Education, Employment and Workplace Relations: Library (AEEWR)
- Dept of Education: Learning Services Support TAS (TDE)
- Dept of Environment and Climate Change - Goulburn Street (NEPA)
- Dept of Environment and Climate Change - Hurstville (NNPW)
- Family Court of Australia - Adelaide (SFCA)
- Family Court of Australia - Brisbane (QFCA)
- Family Court of Australia - Melbourne (VFCA)
- Family Court of Australia - Parramatta (NFCA:P)
- Family Court of Australia - Sydney (NFCA)
- GHD Library - Perth (WGHD)
- Gunnedah Shire Library (NNRLG)
- Gympie Regional Libraries (QGYM)
- Hervey Bay Library : Fraser Coast Regional Council (QHBP)
- The Hills Shire Council Library Service: Castle Hill Library (NBAU)
- Kangaroo Island Council: Kangaroo Island Library (SKIL)
- Office of State Revenue - NSW Treasury (NOSR)
• Orica Australia: Orica (Kooragang Island) Library (NICR)
• The Park Library - Centre for Mental Health Treatment, Research and Education (QWPH)
• Redland City Council: Redland Libraries (QRSL)
• Royal Military College - Library (ARMCA)
• Saint Ignatius' College, Riverview - Library (NSIC)
• South Australian Museum Library (SMU)
• University of Sydney: SciTech Library (NU:ST)
• Unley Civic Library (SUL)
• Whyalla Public Libraries: Alex Ramsay Library (SWHY).

In the same time period, the following libraries cancelled their LADD membership:

• Citigroup Smith Barney: Research library (NSSB)
• CRA International (NNECG)
• Hamersley Iron Pty Ltd (WHI) - Closed
• National Capital Authority (ANCP) - Library closed
• University of Sydney: Architecture Library (NU:AR) - Library Amalgamated
• University of Sydney: Engineering Library (NU:EN) - Library Amalgamated
• University of Sydney: Madsen Library (NU:GE) - Library Amalgamated
• University of Sydney: Music Library (NU:MU) - Closed.
Appendix C

Citations in Libraries Australia using COinS and Zotero

It is an old adage that when you look after the pennies the pounds look after themselves. Recently Libraries Australia has implemented new functionality based on the COinS standard (http://ocoins.org) that will help users of the service make their research pay off. COinS is a standard that encodes bibliographic information into a token buried in a webpage. While this token is hidden from the end user it can be read and used by citation software such as Zotero or other web applications.

Below are a series of screen shots that show you how to use COinS with Zotero. Zotero is a free, easy-to-use Firefox extension to help you collect, manage and cite your research sources from within the browser you’re using to conduct your research. It can be downloaded and installed from http://www.zotero.org.

Finding a record to cite

Figure 1 below shows the Libraries Australia (http://librariesaustralia.nla.gov.au/) homepage loaded in the Firefox browser. Note that Zotero has been installed and its logo appears in the status bar of the browser on the bottom right hand side.

In order to use Zotero and the COinS implementation in Libraries Australia first you’ll need to conduct a search for an item. In Figure 2 below, a simple search for “pure mathematics” has been conducted and the results are displayed.
When a selected record is displayed, in this case Alan Turing’s *Pure Mathematics*, the Zotero plugin in your browser detects the COinS data in the webpage and displays a small icon that looks like a book in the address bar of your browser as circled in Figure 3 below.
Saving and displaying the citation

Clicking on the book icon causes the item to be saved in Zotero as shown in Figure 4.

![Figure 4: Saving an item in Zotero](image)

Clicking on the Zotero icon in the bottom right hand corner of your browser window displays the items you have saved. Zotero provides three panels that help you organise your research. The left-most panel shows the collections that you have set up, in this case there is a single collection called “My Library”. The middle panel displays the title of the items you have saved and the right-most panel displays the full record for the item selected in the middle panel.

![Figure 5: Displaying collections items and records in Zotero](image)

Zotero can also be viewed in full screen mode by clicking the relevant button in the Zotero toolbar to accommodate records with many fields or large collections of...

citations as shown below. To return to half screen mode simply click the half screen mode button indicated in the figure below.

Figure 6: Zotero in full screen mode

Zotero has a range of other features including an export function that exports to a range of different formats including Dublin Core, RIS, MODS, RDF Bibtext and Refer/BibIX. This function is useful for importing your Zotero citations into other citation software such as EndNote.

Note that the current version of the COinS functionality in Libraries Australia does not support the getting of a resource from a library. This is due to the absence of an OpenURL resolver. Libraries Australia itself can be used to get the resource in question and the National Library is investigating the implementation of an OpenURL resolver to support this in future.
A tag cloud for Libraries Australia produced using www.wordle.net