Bibliographic Transformation and the ISSN

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Library of Congress
Forces in the current bibliographic environment
Some standards used in the ISSN Network

ISSN Manual
Cataloguing part
January 2009
ISSN use of library standards

**Benefits**
- One record used for ISSN registration and national bibliography
- Standardized records added to the ISSN Register more easily
- ISSN records more easily used in library catalogs
- ISSN records raise library awareness of ISSN and the ISSN Network

**Limitations**
- ISSN is used by non-library communities that do not use Library standards
- Library standards are not used in the Web environment
- ISSN data not fully integrated into the Web environment
- ISSN Network hidden to information seekers
“Ideally, ISSN data should integrate fully with other resources on the Web, creating greater visibility for ISSN and bringing the ISSN Network services to information seekers.”

Paraphrase of a recommendation from The Library Linked Data Incubator Group
Conceptual model of the bibliographic universe

Hierarchy of concepts: work, expression, manifestation, item

Many library catalogs are being redesigned to accommodate FRBR structures and displays
RDA
Resource Description and Access

- Based on IFLA’s International Cataloging Principles (ICP)
- Based on IFLA’s FRBR principles
- Not limited to any metadata format
- Defined element set and vocabularies published in the Open Metadata Registry to enable use as Linked Data
<table>
<thead>
<tr>
<th>Label</th>
<th>Type</th>
<th>URI</th>
<th>Status</th>
<th>Updated</th>
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<td>2009-08-09 21:46</td>
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</table>
Implementation of RDA

- Coordinated implementation is planned among AACR2 national libraries and others
- RDA will be implemented in the U.S. using MARC 21
- U.S. national libraries’ target implementation date: March 31, 2013
RDA Target Day 1
“It is about making links so that a person or machine can explore the Web of data. With linked data, when you have some of it, you can find other, related data.”

Tim Berners-Lee
What if we could set free the bound elements?
Metadata let loose:

TO COMBINE, LINK, EXPAND!
The “Item” of the Future

- funding agency research portfolio
- fulltext of works cited
- preprint
- grant application
- scholars’ comments
- lab notes
- authors’ works
- peer-reviewed article
- research data
- authors’ home page
- IR
- Disciplinary Repository
- Journal and database(s)
- conference webcasts
- fulltext of works citing
- university home page
- newspaper / magazine articles

...a series of overlapping collections, with links...
MARC
1968 - 20??
GONE BUT NOT
FORGOTTEN

www.tombstonebuilder.com
MARC
Not flexible or extensible

MARC
Does not work well on the Web

MARC
• Does not work well with RDA
• Only used by the library community
LC Bibliographic Framework Initiative

- An environment, not a single new standard
- Many standards could work possibly a single communications format
- Working Group on the Future of Bibliographic Control recommendation
- RDA Test Recommendation
Framework Requirements

- Accommodates multiple content rules and data models
  - Compatible with MARC-based records
  - Maintains MARC until no longer necessary
  - Provides for transformation from MARC 21 to a new bibliographic environment
- Handles textual data, linked data with URIs, or both
- Provides for data that accompanies or supports bibliographic description
- Includes communications format tagging, record input conventions, system storage manipulation
- Considers needs of all types and sizes of libraries
Focus on Web environment

Linked Data
XML
RDF
Follow Standard Library Protocols

- Have the facts straight
- Make decisions based upon evidence and experience
- Bring together diverse and recognized experts in the field
- Remain open to many perspectives
- Check constantly for new ideas and innovations
- Implement a plan that meets the users' needs
- Invest in resources of all kinds wisely
Bibliographic Framework Development

- Collaborative approach with stakeholder involvement
- Advisory Group + Technical Group being formed. Possible technical subgroups
- Funding being sought
- Listserv:
  - http://listserv.loc.gov/listarch/bibframe.html
In a new environment, what can the ISSN become?
Newman Library

Mobile Services: Find Articles & Books
Of the 200+ databases the library subscribes to, these are just the ones that work on mobile devices.

Last update: Aug 22nd, 2011
URL: http://guides.newman.baruch.cuny.edu/mobiledatabases

All Topics from A-Z
Business, Finance, Marketing
English, History, Art
ISSN Portal: future gateway to Linked Data
Who subscribes

Author registries

Journals

Costs?

Where Archived

subscribe
The future has no limits
“The best way to predict the future is to invent it.”

Alan C. Kay
Thank you / Merci!

rrey@loc.gov