Resource Description and Access
A Cataloging Code for the Future
(and related IFLA initiatives: FRBR, FRAD, IME ICC)

III Encuentro Internacional de Catalogadores
"Tendencias actuales en la organización de la información"
28 Nov 2007
Biblioteca Nacional, Buenos Aires. Argentina

Barbara B. Tillett, Library of Congress
Topics today

- IFLA Initiatives
  - What is FRBR?
  - FRAD
  - IME ICC

- What is RDA and why a new standard?

- RDA goals, structure, and content

- Preparing for RDA
What is FRBR?

- IFLA’s Functional Requirements for Bibliographic Records (FRBR)
- User tasks
  - Find
  - Identify
  - Select
  - Obtain
- Entities, Relationships, Attributes
- Mandatory elements for a national level bibliographic record
Other International Developments

- IFLA’s Functional Requirements for Bibliographic Records (FRBR)
- FRAD for authority data
- Updating the Paris Principles (IME ICC)
  - IFLA Meeting of Experts on an International Cataloguing Code
Vocabulary

- “Book”
  - Door prop (item)
  - “publication” at bookstore any copy (manifestation)
Vocabulary

- “Book”
  - Who translated? (expression)
  - Who wrote? (work)
Intellectual/artistic content

Physical - recording of content

Expression

is realized through

Manifestation

is embodied in

Item

is exemplified by
Relationships Inherent to the Group 1 Entities

- Work “is realized by” an expression
  - Expression “is embodied in” a manifestation
    - Manifestation “is exemplified by” an item
      - Item
Relationships

- Inherent among the entities
- Content relationships among works
Family of Works

EQUIVALENT
- Microform reproduction
- Copy
- Exact reproduction
- Facsimile
- Reprint

DERIVATIVE
- Simultaneous "publication"
- Editions
- Revisions
- Translation
- Expurgated edition
- Arrangement
- Variations or versions
- Slight modifications
- Adaptations

DESCRIPTION
- Free translation
- Dramatization
- Novelization
- Screenplay
- Libretto
- Change of genre
- Parody
- Imitations
- Same style or thematic content
- Same style or thematic content

Same Expression
- Original
- Same work

New Expressions
- Slight modifications
- Adaptations

New Work
- Cataloging Rules cut-off point
- New work

B. Tillet
Dec. 2001
Group 1 Entities’ Attributes

- **Work**
  - ID
  - Title
  - Date
  - etc.

- **Expression**
  - ID
  - Title
  - Form
  - Date
  - Language
  - etc.

- **Manifestation**
  - ID
  - Title
  - Statement of responsibility
  - Edition
  - Imprint (place, publisher, date)
  - Form/extent of carrier
  - Terms of availability
  - Mode of access
  - etc.

- **Item**
  - ID
  - Provenance
  - Location
  - etc.
FRBR

Group 2 Entities

- Work
- Expression
- Manifestation
- Item

Person

Corporate Body

is owned by
is produced by
is realized by
is created by

many →
FRBR
Group 3
Subject of Works

Work
Expression
Manifestation
Item
Person
Corporate Body
Concept
Object
Event
Place

many
Possible FRBR applications
Scenario A - Now

- Authority
- Bibliographic
- Holding

- Person
- Series (work/expression) Uniform Title
- Concept
- Manifestation
- Item
- Work/Expression Uniform Title
Scenario B

Authority

Work/Expression Uniform Title

Person/Corporate body

Person/Corporate body

Series (work/expression) Uniform Title

Concept

Bibliographic

Manifestation

Holding

Item
FRBR Benefits

• Collocation
  ➡ Better organization to catalog

• Easier cataloging

• Reduction in cataloging load
  ➡ Work only cataloged once for all expressions of it
  ➡ Expression only cataloged once for all manifestations of it
  ➡ Item cataloging (already simple) remains the same
FRBR Benefits

Circulation: Place holds at “Work” or “Expression” level rather than only at manifestation level

(VTLS and OCLC demonstrate this)
Each of the five basic titles in the “family” of Atlantic Monthly is a “sub-work” under the Super Work.

Serial Example
This the Manifestation level record which has information like the title page, imprint, LCCN, and ISSN.
The lion, the witch and the wardrobe; a story for children.

Four English school children find their way through the back of a wardrobe into the magic land of Narnia and assist Aslan, the golden lion, to triumph over the White Witch, who has cursed the land with eternal winter.
Functional Requirements for Authority Data

Extension of the FRBR model to authority control
Bibliographic Entities

known by

Names and/or Identifiers

basis for

Controlled Access Points

FRAD
FRAD extension to FRBR

FRBR
Entities:
Person
Family
Corporate Body
Work
Expression
Manifestation
Item
Concept
Object
Event
Place

Name
Identifier
Access Point
Rules
Agency
Cataloguing Principles

- 1961 – IFLA’s “Paris Principles”
IME ICC
Goals & Objectives

- Goal
  - Increase the ability to share cataloguing worldwide by
  - Promoting standards

- Objectives
  - Develop “Statement of International Cataloguing Principles”
  - See if rules/practices can get closer together
  - Make recommendations for an International Cataloguing Code
IME ICC Regional Meetings

  
  [Image: http://www.d-nb.de/standardisierung/afs/imeicc_index.htm]

- **IME ICC2** – Latin America-Caribbean (2004)
  
  [Image: http://www.loc.gov/imeicc2]

- **IME ICC3** – Middle East (2005)
  
  [Image: http://www.loc.gov/loc/ifla/imeicc/]

- **IME ICC4** – Asia (2006)
  
IME ICC5

- 2007 August 14-15 subSaharan Africa
  - Hosted by the National Library of South Africa, Pretoria, South Africa

http://www.imeicc5.com
New standard: why?

- Simplify rules
  - Encourage use as a content standard for metadata schema
  - Encourage international applicability
- Provide more consistency
- Address current problems
- Principle-based
  - To build cataloger’s judgment
  - Encourage application of FRBR/FRAD
Why not just keep revising AACR2?

- AACR2
  - 1978
  - 1988
  - 1998
  - 2002
Background

- 1997: International Conference on the Principles and Future Development of AACR, Toronto
  - Worldwide experts invited by the JSC
  - Reviewed principles
  - Content vs. carrier
  - Logical structure of the rules
  - Seriality
  - Internationalization
From AACR3 to RDA

- **April 2005** – decided to start afresh by rethinking and restructuring AACR3

- Came as a result of concerns that a revision of AACR2 would not accommodate digital resources

- Adopted the name *Resource Description and Access*
New Cataloging Environment

- Wide range of information carriers: wider depth & complexity of content
- Metadata (bibliographic information) created by a wider range of personnel in and outside libraries; some using new metadata schemas (Dublin Core, etc.)
- Descriptive data in digital form (ONIX, etc.)
Implementation scenarios

- Potential implementations of *RDA*:
  [http://www.collectionscanada.ca/jsc/working2.html#ed-2](http://www.collectionscanada.ca/jsc/working2.html#ed-2)

- Relational/object-oriented database structure (Goal)
- Linked bibliographic and authority records
- “Flat file” database structure (no links)
GOALS: RDA will be …

- A new standard for resource description and access
- Designed for the digital environment
  - Web-based product
    - paper also available
  - Description and access of all digital and analog resources
- Resulting records usable in the digital environment (Internet, Web OPACs, etc.)
RDA will be …

- “A multinational content standard providing bibliographic description and access for the variety of media and formats collected by libraries today”
- Designed to be used in all language communities
- Intend to remove English-bias
Content vs. display

- RDA will be a **content standard** -- not a display or encoding standard
  - Independent of the encoding *communication format* (e.g., MARC 21, MODS, Dublin Core)
  - Independent of *display format* (e.g., OPAC labels, ISBD)
    - International Standard Bibliographic Description (ISBD) display information in Appendix to RDA
      - *RDA*-created records *can* be displayed in an ISBD display, if desired
RDA will …

- Support FRBR user tasks
  - Find, identify, select, obtain

- Enable users of library catalogs, etc., to find and use resources appropriate to their information needs
Who develops and supports RDA?

Committee of Principals

AACR Fund Trustees/Publishers

Joint Steering Committee

ALA
CC:DA
ACOC
BL
CCC
CILIP
LC
JSC and Project Management Team
Creating RDA

- Process of creating RDA
  - Editor drafts chapters
  - JSC reviews chapters
  - Editor revises chapters
  - JSC constituencies (and others) review chapters
  - JSC considers comments and requests changes to text by the Editor
RDA Oct. 2007 Structure

- General introduction
- Attributes
- Relationships
- Appendices
  - Capitalization, Abbreviations, Initial articles
  - Presentation (ISBD display, etc.)
  - Controlled lists
- Glossary
- Index
Attributes

Work and Expression

Content description - FRBR “Select”

Manifestation and Item

Resource identification - FRBR “Identify”

Carrier description - FRBR “Select”

Acquisition and access information - FRBR “Obtain”
Relationships

FRBR “Find”

- Persons, Families, Corporate Bodies Associated with a Resource
  - Relationships between FRBR Group 1 and Group 2 entities and among Group 2 entities

- Related Resources
  - Inherent and Content Relationships among FRBR Group 1 entities: Works, Expressions, Manifestations, Items
Controlled forms of names of entities

General Guidelines
- Persons
- Families
- Corporate Bodies
- Places
- Works, Expressions, Manifestations, and Items
  - Additional instructions: Musical, legal, and religious works

FRBR "Find"
<table>
<thead>
<tr>
<th>AACR2 terms</th>
<th>RDA terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heading</td>
<td>Access point</td>
</tr>
<tr>
<td>Authorized heading</td>
<td>Preferred access point</td>
</tr>
<tr>
<td>Main Entry</td>
<td>Access point/creator of work</td>
</tr>
<tr>
<td>Added Entry</td>
<td>Access point</td>
</tr>
<tr>
<td>Authority control</td>
<td>Access point control</td>
</tr>
<tr>
<td>Uniform title</td>
<td>Preferred title</td>
</tr>
<tr>
<td></td>
<td>Name of the work (to include name of creator when applicable)</td>
</tr>
</tbody>
</table>
New elements

- Media, Carrier, and Content Types to replace GMDs
- To be more comprehensive, etc.:
  - File characteristics for digital materials
  - Video format characteristics
  - Custodial information for archival resources
  - Braille characteristics
  - URLs
  - Entity identifiers (person, corporate body, work)
  - Language of the person, etc.
How many elements?

- Elements and sub-elements
  - Similarities across all types of resources
  - “Required” or “optional”
- Required mandatory data elements
Transcription

- Importance of transcription of data to identify the resource varies
  - Rare books – very important!
  - Digital materials – maybe not as important

- “Take what you see”
  - Correction of inaccuracies elsewhere
  - Facilitating automated data capture
Customizing RDA Web Tool

- Instructions will be coded by type of content, mode of issuance, etc.

- Can create a customized version of the Web-based *RDA* to see only the instructions you need or want to see
  - Cartographic instructions
  - Serial instructions
  - Etc.
Questions and Answers

- FAQ (“Frequently Asked Questions”) on adopting RDA and other topics available on the JSC Web site:

  http://www.collectionscanada.ca/jsc/rda.html
RDA Records in MARC Format

- Most RDA data elements can be incorporated into MARC 21
- A few changes in MARC 21:
  - New data elements to replace GMDs
  - Possibly some other modifications necessary
- RDA and Dublin Core: mappings, further discussions
Making decisions ...

- Required data elements + which others?
- Which alternatives and options?
- Who decides how to apply RDA?
  - National libraries
  - Other governing bodies: OCLC, the Program for Cooperative Cataloging
  - Individual institutions
Retrospective catalog maintenance?

- No: Intend for RDA records to be compatible

- Need for retrospective adjustments when integrating RDA and AACR2 records will be minimal, if at all
Draft Reviews

- July-Sept. 2008: Complete draft of RDA
- August 2008: Web RDA Prototype demo at IFLA?
- Early 2009: First release of RDA
Commenting on RDA Drafts


- Informal discussion: subscribe to RDA-L (link on page above)

- Formal comments: send to Chair of JSC, Deirdre Kiorgaard, dkiorgaa@nla.gov.au
RDA Web Tool Prototype

- Early prototype: ALA Midwinter, January, 2008

- Beta prototype: IFLA, August 2008
Training for RDA

- Catalogers **will** need some training in RDA
  - Orientation and background on the underlying conceptual models and principles
  - Training on rules that have changed between AACR2 and RDA
- Groups that provide training are beginning to make plans
- Online product will assist with learning
**RDA Products**

- Online (Web Tool) product first:
  - Different pricing structures

- Additional formats: co-publishers want information from you
  - Questions also to be posted online for your responses
Summary

- Internationally agreed principles
  - IME ICC
- Conceptual models
  - FRBR
  - FRAD
- Collaborative effort
- Resulting records for use in Web environment
- 2009