BIBFRAME Update – Why, What, When

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Outline

- Why
  - Changes in description needs
  - Modeling activity
  - Goals

- What BIBFRAME looks like
  - MARC model – BIBFRAME model
  - Issues

- When
Why
Changes in descriptive needs

- Incorporate linked data support
  - use of URIs where possible
- New library cataloging rules
- Emphasis on relationships
- More media and electronic resources
- Transcription pros and cons
- Non-traditional material
- Eresource access management
- Eresource object management
Modeling activities

- FRBR - Functional Requirements for Bibliographic Records
- FIAF – International Federation of Film Archives data model
- INDECs - <indecs> metadata framework
- OLAC – Online Audiovisual Catalogers model
- CIDOC CRM – CIDOC Conceptual Reference Model
- DACS – Describing Archives Content Standard
Examples of model variations

Other model components? instantiation, abstraction, performance, media object, variant, container
Goals for BIBFRAME

- Supply search engines with description in a form they can exploit

- Extensibility to new and broader content

- New views of different types of metadata
  - descriptive, authority, holdings
  - coded data, classification data, subject data
  - preservation, rights, technical, archival

- Reconsideration of the data-related activities
  - exchange, internal storage, input interfaces and techniques
Goals for BIBFRAME

- Use/exploit linking
  - traditional = textual, identifiers
  - semantic technology = URIs

- Accommodate needs for different types of libraries
  - large, small, research, public, specialized, …

- MARC transition
  - enable reuse of data from MARC
  - provision of transformations to new models
What BIBFRAME looks like
Current high level format model – MARC family

- MARC Bibliographic records
  - Descriptions of resources
  - “conceptual view + physical embodiment”

- MARC Authority records
  - Authorized forms of names and subjects -- and uniform titles
  - Focus on strings

- MARC Holdings records
  - Single and serial items held
MARC high level model – with RDA

MARC Authority

MARC Bibliographic

MARC Holdings

Subjects
Names
Uniform titles

Bibliographic
Including subjects, names, and uniform titles

Holding

Work
Expression
Manifestation
Item
Current BIBFRAME (bf) high level model

- **bf:Work** - A *conceptual view* of a resource

- **bf:Instance** – A physical *embodiment* of a **bf:Work**

- **bf:Authority** – Key concepts with defined relationships to **bf:Works** and **bf:Instances**
  - Real World Object descriptions and curated strings

- **bf:Annotation** – A flexible add-on to **bf:Works** and **bf:Instances**
Striking differences from MARC

- Title and name-title MARC Authorities are bf:Works
  - Subjects associated with Works
  - Work description for all bibliographic entities
- Instances are separated by carrier, rather than combined into one description
- Authority descriptions for names and subjects
  - Emphasis on description of the “thing” rather than the string
- Enabled to express data as URI links
Issues that will need consideration as a community

- Linking out rather than bringing in data
  - Both?
  - How keep up-to-date?
  - Trusted links?

- Use of multiple authority files enabled
  - Which ones, how many?

- Specifying roles of agents more than in the past
  - Role lists? Languages? Consistency? Hierarchies?
More community issues

- Specifying relationships between works and instances more explicitly than in the past
  - How much detail? What lists to use?

- Should all instances be split by carrier or just by different media?
  - Paperback, hardback, library binding for books?
  - Print version, electronic version, audio version?
  - Vinyl 78, wire, vinyl 45, vinyl 33⅓, tape, CD, stream?
  - VCR, DVD, Blu-ray, cassette, reel?

- Can we develop authorities for more entities?
  - Publisher names? Publication places? Maintenance?
When?
It is time for implementation experience

- 2006 = first look at LCSH in RDF
- 2009 = official publication of LCSH, NAF, and code lists in RDF – ID.LOC.GOV
- 2011 = BIBFRAME model published
- 2012/13 = Early Experimenter investigation (NLM, George Washington University, OCLC, Princeton, BL, DNB, LC)
- 2014 = testbed, discussion, shared tools (editor, transformations)
- 2015 = revised vocabulary and LC pilot
Preparation for a BIBFRAME Pilot

- Vocabulary review and revision
- More tools (editor enhancement, profile editor, search of triple store)

Tasks ahead:
- Create base file in BF, make searchable
- Improve editor to include automatic features where possible
- Enhance ID.LOC.GOV to include term lists needed by editor
- Integrate
Browse the website: www.loc.gov/bibframe

General Information
› Frequently asked questions
› Webcasts and presentations
› Contact us
› Document archive

Implementation & Testing
› BIBFRAME testbed
› Implementation register
› BIBFRAME tools and downloads
› Demonstration datasets

Model & Vocabulary
› BIBFRAME model
› BIBFRAME vocabulary
  - Vocabulary description
  - Terminology & conventions
› BIBFRAME draft specifications
  - BIBFRAME Profiles
  - BIBFRAME Authorities
  - BIBFRAME Relationships
› Analyses
  - AV Modeling Study
› Use cases
› MARC mapping (coming soon)

What’s New
BIBFRAME Update Forum at ALA
February 1, 10:30-11:30am
McCormick Place West, W196a

BIBFRAME at ALA

New White Paper Available
Common Ground: Exploring Compatibilities Between the Linked Data Models of the Library of Congress and OCLC

BIBFRAME Editor
Join the discussion:
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Thank you!