BIBFRAME activities

- Infrastructure improvements
  - Additional servers
  - MarkLogic (database software) update

- Revised MARC-to-BIBFRAME data conversion specifications and updated conversion software to match changes in the BIBFRAME 2.0 vocabulary

- New BIBFRAME editor profiles
BIBFRAME activities

- Converted entire LC MARC catalog to BIBFRAME

- 17 million MARC bibliographic records converted to BIBFRAME Works, Instances, and Items
- 1.2 million uniform title authority records converted to BIBFRAME Works
- Matching and merging of BIBFRAME Works
- Daily updates from Voyager ILS system to id.loc.gov and BIBFRAME database
- The entire processes has been reviewed and changed several times and records have been re-converted, re-loaded and re-merged
BIBFRAME activities

- 40 catalogers from BIBFRAME 1.0 pilot continued participation, and 20 new catalogers and technicians joined the BIBFRAME 2.0 pilot
- Training for new and continuing participants from May-July
- Catalogers started to enter metadata in the BIBFRAME editor in June
- Ongoing meetings with catalogers to improve editor profiles
BIBFRAME editor

- Format-specific editor profiles
- Can begin with either Instance or Work
BIBFRAME editor
Integrated searching of works
BIBFRAME editor
Integrated searching of authorized access points

For names ...
BIBFRAME editor

... and form/genre/subject authorized access points

Current vocabularies in integrated search

LCNAF
• Personal, Corporate, Conference, Family names

LCSH
• Library of Congress Subject Headings

LCGFT
• Library of Congress Genre/Form Terms

LCMPT
• Library of Congress Medium of Performance Thesaurus
**BIBFRAME editor**

- Some standard values are pre-supplied and are specific to each format

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**BIBFRAME editor**

- Drop-down vocabularies included for some fields
Initial adjustments

● Different catalogers have different needs and the BIBFRAME editor can be easily customized

● Examples:
  ● Cartographic catalogers always create a new work
  ● Rare book catalogers need more specific item-level information
  ● Music catalogers are focused on relationships between existing works
Initial adjustments

Standard Monograph work profile (in part)
Initial adjustments

Cartographic Work profile with cataloger-requested specifications:
- Work Title Variation removed
- Transcribed Title removed
- Date of Work removed
- Place of Origin of Work removed
- Nature of Content removed
- Coordinates of Cartographic Content included
**Initial adjustments**

Standard Monograph Item profile (in part)
Initial adjustments

Rare Materials Item profile includes field to add agents at the item level (donor, owner, others)
Initial adjustments

- Challenge to build relationships between works
  - How to handle aggregate works or bound-with titles
    - Many work descriptions linked to a single instance?
    - One collective work with many related works?

- Related work and Related instance sections of editor profiles may need to be adjusted
Initial adjustments

- Subject strings and URIs can be constructed in different ways
Initial adjustments
Initial adjustments

- Treatment of series statements
  - Include as a literal?
  - Relate to a work?

- Character set mapping
  - Some catalogers used special keyboards to input vernacular data
  - BIBFRAME uses Unicode; LC’s Voyager ILS does not
Initial adjustments

- It’s harder than expected to create good RDF data
- Property
  - Sub-property
    - Class
      - Sub-class
      - Label or value
- Editor needs to “remember” classes, properties and formatting from menus in the hierarchy
Initial adjustments

- Creating desired RDF output data has necessitated multiple layers of menus in the BIBFRAME editor.
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Next steps

- Begin publishing (saving) metadata created in BIBFRAME editor into the BIBFRAME database.
Improving the editor

- Enhance display in BIBFRAME editor to facilitate proofreading and editing of data
- Refine recall of data from BIBFRAME database into the appropriate format-specific profile in the BIBFRAME editor
- Test and evaluate copy cataloging workflow(s)
Next steps

- Review and possibly incorporate LD4P specialized ontologies into BIBFRAME vocabulary
  - Performed music
  - Art
  - Rare materials
- Evaluate impact of FRBR-LRM on BIBFRAME
  - One-to-many relationships between instances (manifestations) and works
Next steps

● Continue to refine MARC-to-BIBFRAME conversion software

● Continue to evaluate indexing, normalization and display of BIBFRAME data in a discovery environment

● BIBFRAME-to-MARC conversion?
Editor explorations

- Review BIBFRAME editor and profiles
  - Flatten the hierarchical structure?
  - Put more RDF coding into the software instead of the profile?
  - Review the current configuration of the format-based profiles
    - Instead of format-specific profiles, should there be a core set of elements that are always required?
    - Add the ability to insert a property or class on-the-fly?
Additional information

http://www.loc.gov/bibframe/

http://id.loc.gov

https://github.com/lcnetdev
Thank you

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