Program for Cooperative Cataloging
BIBCO / CONSER / NACO / SACO

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RDA European Interest Group

EURIG Annual meeting
Fiesole 2017

Program for Cooperative Cataloging
Task Groups on
URIs in MARC &
BIBFRAME

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PCC Strategic Directives 2015-2017

- ▶ Efficiency in creating and refining metadata that meet user needs for effective resource discovery

SD2: Align the PCC's activities and investments with those that will have the highest impact within the global data environment

http://www.loc.gov/aba/pcc/about/PCC-Strategic-Plan-2015-2017.pdf

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URI Task Group

Members and stakeholder institutions:

- Robert Bremer (OCLC)
- Michelle Durocher (PCC Policy Committee Representative)
- Steven Folsom (Harvard University)
- Paul Frank (Library of Congress)
- Jean Godby (OCLC Research)
- Les Hawkins (CONSER Representative)
- Reinhold Heuvelmann (German National Library (DNB))
- Chew Chiat Naun (PCC Standing Committee on Standards)
- Gary Strawn (PCC Standing Committee on Automation)

Task Group Chair:

- Jackie Shieh, (George Washington University)

Consultants:

- Ian Bigelow (University of Alberta)
- John Chapman (OCLC)
- Galen Charlton (Evergreen)
- Corine Deliot (British Library, consultant, ISNI specialist)
- Nancy Fallgren (NLM)
- Nancy Lorimer (Stanford, LD4P)
- Terry Reese (Ohio State, MarcEdit)
- Adam Schiff (University of Washington)
- Nate Trail (Network Development and MARC Standards Office (NDMSO), Library of Congress)
- Melanie Wacker (Columbia, MODS)
- Thurstan Young (British Library, MAC liaison)

https://www.loc.gov/aba/pcc/bibframe/TaskGroups/URI-TaskGroup.html

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Charge

- ▶ Identify and address policy issue on the use of identifier in MARC

- ▶ Work with PCC committees to develop guidelines to include identifier

- ▶ Develop implementation plans of identifier in $0 or other fields/subfields

- ▶ Initiate MARC proposals as appropriate

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Operating Principles

▶ Universal and straightforward approaches

▶ Least disruption to existing workflow

▶ Outcomes have greater and broader impact

▶ Incremental & replicable implementation

▶ Environment allows dual (hybrid) approach

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Process

▶ Environmental Scan

▶ Pilot Test

▶ Observations and Data Analyses

▶ Identify and plan near- and long-term strategies

▶ Community Outreach

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Subgroups

▶ Pilot Test

▶ Real World Object

▶ Work ID

▶ MARC Objects/Reconciliation

▶ Formulating/Obtaining URI Document

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MAC Discussion Papers 2016

- 2016-DP18: Redefining Subfield $0 to Remove the Use of Parenthetical Prefix "(uri)"

- 2016-DP19: Adding Subfield $0 to Fields 257 and 377 in Bib and Authority

STATUS:

MARC Steering Committee agreed with the MAC decision to convert to and approve as a proposal.

https://www.loc.gov/marc/mac/list-dp.html#2016

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MAC Discussion Papers 2016 ➜ Proposal 2017

- ▶ 2016-DP17: Redefining Subfield $4 to Encompass URIs for Relationships in the MARC 21 Authority and Bibliographic Formats

- ▶ 2017-01: Redefining Subfield $4 to Encompass URIs for Relationships in the MARC 21 Authority and Bibliographic Formats

STATUS:

Approved in 2017 as Proposal.
https://www.loc.gov/marc/mac/2017/2017-01.html

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MAC Discussion Papers 2017

▶ 2017-DP01: Use of Subfields $0 and $1 to Capture Uniform Resource Identifiers (URIs) in the MARC 21 Formats

▶ 2017-DP02: Defining Field 758 (Related Work Identifier) in the MARC 21 Authority and Bibliographic Formats

STATUS:

Submitted as proposals for ALA 2017 annual meeting in Chicago

http://www.loc.gov/marc/mac/list-dp.html#2017
http://www.loc.gov/marc/mac/list-p.html#2017

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Triple Statement Representation

▶ *Subfield $0 is to be used for recording URIs which represent objects in RDF triple statements.*

▶ *Subfield $4 is to be used for recording URIs which represent predicates in RDF triple statements.*

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Activities Expected in 2017

- Publish White paper on
  - $0: URI for Authority data
  - $1: URI for Thing (Persons, Places, Concepts, etc.)
- Release Document:
  - *Formulating & Obtaining URIs : a Guide to Commonly Used Vocabularies and Reference Sources*
- Continue work on
  - 024: URI/RWO in Authority Format (esp. agents)
  - $5: URI/Cultural Heritage Organization
  - MARC Objects Reconciliations (e.g. 041)
  - Vernacular scripts
- Survey library community's local implementation of URIs in $0
- With OCLC to Finalize Roadmap for Implementing HTTP URI upon Export
- Recommendations for next steps, best practices, and training
- Etc.

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Other Partner Projects

▶ BIBFLOW (IMLS): [Proposed roadmap](#)

▶ Linked Data 4* (Mellon) [ld4l.org](#)

▶ Shareable Authorities Forum (IMLS)
[www.loc.gov/aba/pcc/scs/documents/IMLS_authorities_forum_201704_PCC_report_edited.pdf](#)

▶ PCC Task Groups

  ▶ Work Entity (chair: Ed Jones): [Executive Summary](#) (2017-05-04)

  ▶ BIBFRAME (chairs: Jennifer Baxmeyer & Amber Biley): [Report](#) (2017-05-04)

  ▶ FRBR-LRM (chair: Beth Shoemaker)

  ▶ Linked Data Advisory (chair: Steven Folsom): [Updates](#) (2017-05-05)

  ▶ Identity Management in NACO (chair: John Riemer)

  ▶ Linked Data Training (chairs: Robert Maxwell & George Prager)

[loc.gov/aba/pcc/](#)

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BIBFRAME Task Group

CONSER BIBFRAME MAPPING
BIBCO BIBFRAME MAPPING

CONSER BIBFRAME MAPPING GROUP

Task Group Members: CONSER

- Kevin Balster (University of California, Los Angeles)
- Robert Bremer (OCLC)
- Valerie Bross (University of California, Los Angeles)
- Mary Jane Cuneo (Harvard University)
- Les Hawkins (Library of Congress)
- Ed Jones (National University, PCC Standing Committee on Standards)
- Xiaoli Li (University of California, Davis)
- Shana McDanold (Georgetown University, PCC Standing Committee on Automation)
- Hien Nguyen (Library of Congress)
- Robert Rendall (Columbia University)
- Regina Reynolds (US ISSN Center, Library of Congress)
- Steven Riel (Harvard University)
- Jacquie Samples (Duke University, CONSER PoCo Representative)
- Tina Shrader (National Library of Medicine)
- Adolfo Tarango (University of California, San Diego)
- UCLA Study Group (leads, Valerie Bross & Kevin Balster)

https://www.loc.gov/aba/pcc/conser/bf/

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BIBFRAME Task Group

Task Group Members:

Jennifer Baxmeyer Co-leader
    (Princeton University, PCC Linked Data Advisory Committee, LD4P)
Amber Billey Co-leader
    (Columbia University, PCC Task Group on Identity Management in NACO, LD4P)
Joanna Dyla
    (Stanford University, PoCo NACO Representative, PCC Linked Data Advisory
    Committee, LD4P)
Steven Riel
    (Harvard University, CONSER Operations Committee)
David Van Kleeck
    (University of Florida, BIBCO Operations Committee)

https://www.loc.gov/aba/pcc/documents/OpCo-2017/20170504PCCBFTGReport.pdf

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BIBFRAME Subtask Groups: CONSER & BIBCO

Task Group Members: CONSER

- Kevin Balster (University of California, Los Angeles)
- Robert Bremer (OCLC)
- Valerie Bross (University of California, Los Angeles)
- Mary Jane Cuneo (Harvard University)
- Les Hawkins (Library of Congress)
- Ed Jones (National University, PCC Standing Committee on Standards)
- Xiaoli Li (University of California, Davis)
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- Adolfo Tarango (University of California, San Diego)
- UCLA Study Group (leads, Valerie Bross & Kevin Balster)

https://www.loc.gov/aba/pcc/conser/bf/

Task Group Members: BIBCO

Barbara Bushman (National Library of Medicine) (Co-Leader)
Clara Liao (Library of Congress) (Co-Leader)
Nicole Arbuckle (Backstage Library Works)
Sharon Benamou (University of California, Los Angeles)
Sever Bordeianu (University of New Mexico)
Lia Contursi (Columbia Law School Library)
Thomas Dousa (University of Chicago)
Asheleigh Folsom (Georgetown University)
John Hostage (Harvard University)
Laura Kohl (University of New Mexico)
Chris Long (University of Colorado Boulder)
Jackie Shieh (George Washington University)
Jennifer Erica Sweda (University of Pennsylvania)

https://www.loc.gov/aba/pcc/bibco/documents/BIBCO-BF-SG.pdf

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Mapping CSR to BIBFRAME

Methodology and process

- ▶ based on early mappings of PCC BIBCO Standard Record to Zepheira's BF Lite
  - ▶ Collaboration between NLM, UC Davis, and GWU
- ▶ match the RDA data elements in the CSR to BIBFRAME properties
- ▶ develop mock-ups of sample coding in Turtle for each data element
- ▶ Identify CSR elements without matching BF properties
- ▶ Provide feedback to BF developers
- ▶ Identify areas where CONSER can recommend best practices to the serials community

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Mapping BSR to BIBFRAME 2.0

Methodology and process

- ▶ built upon CONSER BF Mapping of BF 1.0
- ▶ follow CONSER BF's organization and methodology
  - ▶ develop mock-ups of sample coding in Turtle for data elements
  - ▶ identify BSR elements without matching BF properties
  - ▶ collect feedback to BF developers
- ▶ collaborate with the CONSER BF to augment and refine BF ontology

http://www.loc.gov/aba/pcc/bibco/documents/BIBCO_LCBF_Template.pdf

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Mapping to BIBFRAME: Findings

Preliminary results

- Mapping complete: Most elements have corresponding BF properties
- Circulating observations and questions in larger PCC community for inputs

Final Report In Progress

- Recommendations for PCC best practices
- Recommendations for BIBFRAME development
- Issues for further discussion
- Outreach to stakeholders and partner projects

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CONSER Issues for Further Discussion

▶ Changes to the Description

▶ Literal vs. Machine Actionable Data

▶ Enumeration and Chronology Data

▶ Administrative Metadata

▶ Modeling and Relationships

BIBCO Issues for Further Discussion

► **Required Non-RDA and MARC Data**

   ► Encoding Level

   ► Special material designation

   ► Etc.

► **Consider New BIBFRAME Entities for Required RDA Elements**

   ► Date to accommodate monographic set

   ► Note on title

   ► Dissertation/Thesis information

   ► Cartographic elements (e.g. longitude, latitude)

   ► Audio/visual specific elements

   ► Specific material designation (e.g.

   ► Etc.

http://www.loc.gov/aba/pcc/bibco/documents/BIBCOBFGroupReport.pdf

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