RDA and MARC 21 Development
Report to EURIG 2020 RDA Satellite meeting, 15th September, 2020

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Overview

- MARC 21 Background

- MARC 21 Mappings in RDA Toolkit

- MARC RDA Working Group

MARC 21 Background (What is it?)

- **Ma**chine **R**eadable **C**ataloging **21**

- Set of digital formats for the description of items catalogued by the library community

- International standard for the transmission of bibliographic data

- Widely used across North America, Europe and Australia

MARC 21 Background (History)

- Created in 1999 as a result of harmonizing USMARC and CAN/MARC

- Adopted by the British Library in 2004 as a replacement to UKMARC

MARC 21 Background (Structure / Content)

- Field designations: three digit numeric code (from 001-999) identifies each field in a record

- File structure: generally stored and transmitted as binary files, consisting of several MARC records

- Content: encodes information about bibliographic resources and related entities

MARC 21 Background (Formats)

- Authority

- Bibliographic

- Holdings

- Classification

- Community

MARC 21 Background (Development)

- Discussion Papers, Proposals, Fast Track Changes

- Updates issued twice a year

- Sixty day embargo period to allow for implementation

MARC 21 Background (Administration 1)

- Library of Congress Network Development and MARC Standards Office

- MARC Steering Group

- MARC Advisory Committee

MARC 21 Background (Administration 2)

- MARC Steering Group

  - Library of Congress

  - Library and Archives Canada

  - British Library

  - Deutsche Nationalbibliothek

MARC 21 Background (Administration 3)

- MARC Advisory Committee

  - MARC Steering Group

  - Biblioteca Nacional de España

  - National Library of Australia

  - Various U.S. based library cataloguing bodies

MARC 21 Background (Liaison)

- Protocol of understanding between :

  RDA Steering Committee

  and

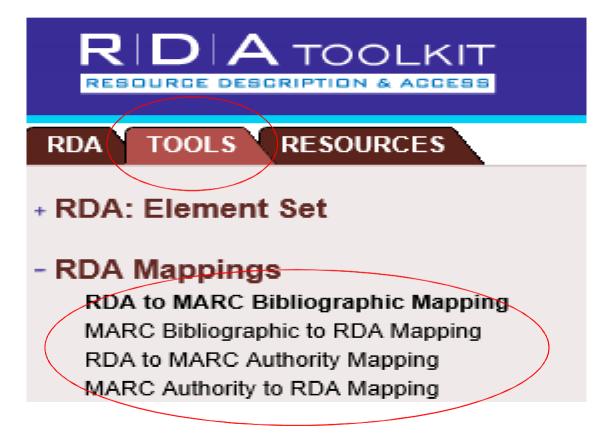 Library of Congress Network Development and MARC Standards Office

MARC 21 Mappings in RDA Toolkit

- Authority format mappings (Library and Archives Canada)

- Bibliographic format mappings (British Library)

MARC 21 Mappings in RDA Toolkit (Current 1)

R D A TOOLKIT
RESOURCE DESCRIPTION & ACCESS

RDA | TOOLS | RESOURCES

+ RDA: Element Set

– RDA Mappings
    RDA to MARC Bibliographic Mapping
    MARC Bibliographic to RDA Mapping
    RDA to MARC Authority Mapping
    MARC Authority to RDA Mapping

MARC 21 Mappings in RDA Toolkit (Current 2)

MARC 21 Mappings in RDA Toolkit (Beta 1)

MARC 21 Mappings in RDA Toolkit (Beta 2)

MARC 21 Mappings in RDA Toolkit (Beta 3)

− **MARC 21 Bibliographic**

MARC 21 Bibliographic 245 ** $c [unstructured description]

MARC 21 Mappings (Beta / Components 1)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c [unstructured description]

- *Schema*
- Format
- Field
- Indicator
- Subfield
- Recording method

MARC 21 Mappings (Beta / Components 2)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c [unstructured description]

- Schema
- *Format*
- Field
- Indicator
- Subfield
- Recording method

MARC 21 Mappings (Beta / Components 3)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c [unstructured description]

- Schema
- Format
- *Field*
- Indicator
- Subfield
- Recording method

MARC 21 Mappings (Beta / Components 4)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c [unstructured description]

- Schema
- Format
- Field
- *Indicator*
- Subfield
- Recording method

MARC 21 Mappings (Beta / Components 5)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c [unstructured description]

- Schema
- Format
- Field
- Indicator
- *Subfield*
- Recording method

MARC 21 Mappings (Beta / Components 6)

MARC 21 Bibliographic

MARC 21 Bibliographic 245 ** $c (unstructured description)

- Schema
- Format
- Field
- Indicator
- Subfield
- *Recording method*

MARC 21 Mappings (Comparing Beta / Current)

- Location : Element level integration *not* stand alone tables

- Direction : RDA to MARC 21 *not* MARC 21 to RDA

- Mark up : Coding *not* labels

- Search : Mappings searchable in both Toolkits

MARC 21 Mappings (Focus so far)

- Transfer of mappings from Current to Beta Toolkit

- Expansion of mappings to different recording methods :

  - Unstructured

  - Structured

  - Identifier

  - IRI

MARC 21 Mappings (Still to do)

- Mappings for recent MARC 21 coding changes

- Mappings for relationship subfields $4, $i, $e, $j

- Mappings for new RDA elements to existing MARC 21 coding

MARC 21 Mappings (Coding Unavailable)

Prerecording

For general guidance and instructions on recording a statement from a manifestation that reproduces another manifestation, see Guidance: Manifestation statements.

Manifestation statements of facsimiles and reproductions.

OPTION

Record an unstructured description within a value of Manifestation: manifestation title and responsibility statement.

Send to Back

BL

Do not apply pending MARC 21 change.

MARC RDA Working Group (Charge)

- Evaluate the scope and impact of the extensions to RDA arising from the RDA 2019 revision in relation to MARC 21

- Identify and prioritize possible changes to MARC 21 to support compatibility with the RDA extensions and ensure effective data exchange into the future

- Prepare discussion papers and proposals for the MARC Advisory Committee

MARC RDA Working Group (Schedule)

- **December 2019:** Preparation of initial discussion papers.
- **January 2020:** ALA Midwinter meeting, where discussion papers will be considered.
- **January – April 2020:** Working group meetings.
- **April – June 2020:** Preparation of proposals and discussion papers.
- **June 2020:** ALA Annual meeting; consideration of proposals and discussion papers.
- **July – October 2020:** Working group meetings.
- **November – December 2020:** preparation of remaining proposals.
- **January 2021:** ALA Midwinter meeting; consideration of proposals.

MARC RDA Working Group (Membership 1)

RSC

Ebe Kartus – RSC liaison, Univ. of New England, New South Wales, Australia

NDMSO

Sally McCallum – NDMSO Chief, Library of Congress

MARC RDA Working Group (Membership 2)

MARC Steering Group

Thurstan Young – British Library

John Zagas – Library of Congress

Reinhold Heuvelmann – Deutsche Nationalbibliothek

Bill Leonard – Library and Archives Canada

Hong Cui – Library and Archives Canada

MARC RDA Working Group (Membership 3)

Vendors

Wayne Schneider – Indexdata

Nathan Putnam - OCLC

MARC RDA Working Group (Membership 4)

Specialists

Matthew Wise – MARC Advisory Committee (MAC) Chair

Catherine Gerhart –Audiovisual specialist (OLAC rep to MAC)

Susan Moore – Cartographic specialist (MAGIRT rep to MAC)

Tina Shrader – Serials specialist

Karen Peters –Music specialist (MLA rep to MAC)

MARC RDA Working Group (Focus)

- New RDA entities, concepts and vocabularies encoding schemes

- Choice of format to implement change

- Granularity and consistency of change

- Feasibility and utility of change

New RDA Entities

- RDA Entity

- Nomen

- Agent

- Collective Agent

- Place

- Timespan

New RDA Concepts

- Manifestation Statements

- Representative Expressions

- Diachronic Works

- Data Provenance

New RDA Vocabulary Encoding Schemes

- RDA Carrier Extent Unit

- RDA Extension Plan

- RDA Recording Sources

- RDA Type of Binding

Existing RDA Vocabulary Encoding Schemes

- RDA Mode of Issuance

- RDA Aspect Ratio Designation

- RDA Illustrative Content

- RDA Sound Content

- RDA Form of Musical Notation

Choice of Format in MARC 21

- Authority?

- Bibliographic?

- Other?

Granularity and Consistency in MARC 21

- Scope for granularity of coding :

  - record level?

  - field level?

- Scope for consistency of coding :

  - equivalent field by field?

  - equivalent format by format?

Feasibility and Utility in MARC 21

- Possibility of change within :

  - format constraints? (i.e. available coding)

  - existing record models? (e.g. NACO, BIBCO, PN)

- Helpfulness of change to :

  - end users? (e.g. researchers, programmers, etc.)

  - collection management? (e.g. inventory control, workflow efficiency, etc.)

MARC RDA Working Group (Coding Agreed)

- Approved by MARC Advisory Committee (June / July 2020)

  - Manifestation Statements: Field 881 (Bibliographic format)

  - Extension Plan: Field 335 (Bibliographic and Authority formats)

- Scheduled for inclusion in MARC 21 Update 31 (year end 2020)

Manifestation Statement (881) Example

881 ## ***$c****CROSSING THE CHASM Marketing and Selling Disruptive Products to Mainstream Customers Geoffrey A. Moore*$d*THIRD EDITION**$f*HARPER BUSINESS An Imprint of HarperCollinsPublishers 2014**$i**Copyright © 1991, 1999, 2002, 2014 by Geoffrey A. Moore**$e**Printed in the United States of America**$a**Originally published in hardcover in 1991 by HarperBusiness, an imprint of HarperCollins Publishers.**$b**ISBN: 978-0-06-229298-8**$a**USA $19.99**$l**A BUSINESSWEEK BESTSELLER

Extension Plan (335) Examples

335   *$a static plan* $2 rdaep

335   *$a successive indeterminate plan* $2 rdaep

335   *$a successive determinate plan* $2 rdaep

335   *$a integrating indeterminate plan* $2 rdaep

335   *$a integrating determinate plan* $2 rdaep

MARC RDA Working Group (Coding Pending)

- Discussed by MARC Advisory Committee (June / July 2020)

    - Mode of Issuance: 334? (Bibliographic format)

    - Type of Binding: 340 $l? (Bibliographic format)

- Will return as proposals at next meeting of MARC Advisory Committee (January 2021)

Wider Community Activity (BIBFRAME / MLA)

- Approved by MARC Advisory Committee (June / July 2020)

    - Aspect Ratio Designation : 345 $d (Bibliographic format)

    - Illustrative Content : 340 $p (Bibliographic format)

- Discussed by MARC Advisory Committee (June / July 2020)

    - Sound Content : 344 $i? (Bibliographic format)

    - Form of Musical Notation : 348 $c? (Bibliographic format)

MARC RDA Working Group (Learning Points)

- New coding not mandatory to implementation of RDA

- Case by case implementation decisions based on feasibility / utility

- RSC liaison to provide advice and assistance

- Feedback from MAC may contribute to RDA developments (e.g. vocabulary encoding scheme for "Type of Binding")

- RDA will not adapt to MARC 21 record structures if these break its relationships to the LRM (e.g. Provider Neutral record model)

Thank you!

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