

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?)

- Machine Readable Cataloging 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

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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

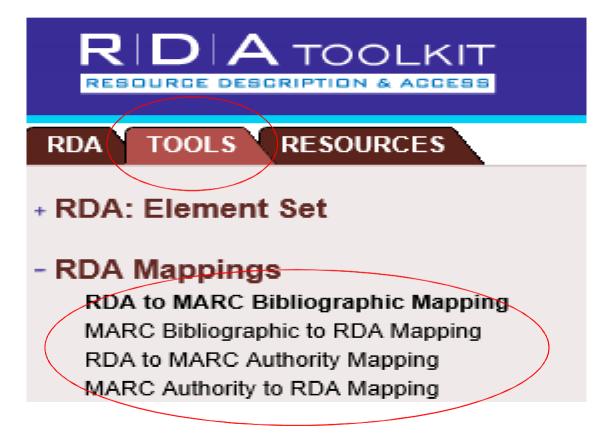


MARC 21 Mappings in RDA Toolkit

- Authority format mappings (Library and Archives Canada)
- Bibliographic format mappings (British Library)



MARC 21 Mappings in RDA Toolkit (Current 1)





MARC 21 Mappings in RDA Toolkit (Current 2)

RDA TOOLS RESOURCES				RDA Quick Search	📲 🔍 Account ID Password			
RDA: Element Set	RDA TO MA	ARC BIBLIOGRA		6	@ d∰ ∰ ⊉ % ℝ			
RDA Mappings RDA to MARC Bibliographic Mapping MARC Bibliographic to RDA Mapping RDA to MARC Authority Mapping MARC Authority to RDA Mapping RDA to MODS Mapping	RDA Elements Mapped to MARC 21 Format for Bibliographic Data The table below maps RDA elements to corresponding MARC 21 bibliographic elements. While there are many instances where there is a one-to-one correspondence between RDA and MARC 21, there are cases where the level of granularity in the MARC 21 element set and RDA element set differs. Where a single RDA element is equivalent to more than one MARC 21 element, all applicable MARC 21 elements are provided. Where the content of the RDA element would							
Examples of RDA Records (RSC) Full Records Books of the Bible Medium of Performance	 be recorded in an uncontrolled form no mapping has been made to controlled vocabularies in MARC. This may change! The table includes a detailed mapping of <i>Appendix J, Relationship designators: relationships between works expressions, manifestations, and items. Mappings have been provided for each of the prescribed methods of representing relationships:</i> identifiers authorised access points structure descriptions 							
+ Medium of Performance + Besättning	unstructur	ed descriptions		MARC 21				
RDA Index Print RDA Index (English) Workflows	RDA INSTRUCTION NUMBER	RDA ELEMENT NAME	MARC 21 FIELD TAG	SUBFIELD CODE OR CHARACTER POSITION IN FIXED FIELD	MARC 21 FIELD / SUBFIELD NAME			
Maps	Chapter 2	Chapter 2 Identifying Manifestations and Items						
2010 Entity Relationship Diagram (Archival)	2.3 RDA	Title Title Proper	245 🖾	a, n, p	Title			
Schemas (Archival)	2.3.2 RDA	Title Proper	245	c.	Statement of responsibility, etc.			



MARC 21 Mappings in RDA Toolkit (Beta 1)

R D A TOOLKIT				0) Help	English	Submit Feedback
PS Writers Group							🔺 Profile 🗸
ENTITIES	GUIDANCE	POLICIES	RESOURCES	All	~	Search	٩
			🖶 Download PDF				
	en > statement of resp			Select P	olicy Stat	ement Set (2)	
to title pr	t of respo	Isibility	relating	Show N	None	~	
Definition and S	Scope						
A statement of respo	nsibil <mark>i</mark> ty that is associat	ed with a title prope	r.				
A statement of respo	nsibility relating to title	proper does not inc	lude a statement of				
responsibility relating	to an edition or a serie	es.					



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MARC 21 Mappings in RDA Toolkit (Beta 2)

@ I	Element Reference
IRI	
http	p://rdaregistry.info/Elements/m/P30105
Do	main
Ma	nifestation
Alt	ernate labels
	has statement of responsibility relating to title proper
+	Dublin Core Terms
+(MARC 21 Bibliographic



MARC 21 Mappings in RDA Toolkit (Beta 3)

MARC 21 Bibliographic

MARC 21 Mappings (Beta / Components 1)

MARC 21 Bibliographic

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

MARC 21 Mappings (Beta / Components 2)

- MARC 21 Bibliographic

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

MARC 21 Mappings (Beta / Components 3)

- MARC 21 Bibliographic

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

MARC 21 Mappings (Beta / Components 4)

- MARC 21 Bibliographic

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

MARC 21 Mappings (Beta / Components 5)

- MARC 21 Bibliographic

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



MARC 21 Mappings (Beta / Components 6)

- MARC 21 Bibliographic

- 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

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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)

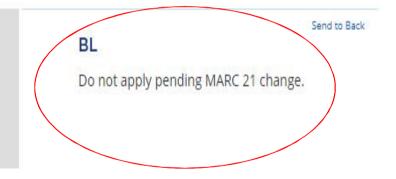
Prerecording

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 3.

OPTION

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





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

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MARC RDA Working Group (Membership 3)

Vendors

Wayne Schneider – Indexdata

Nathan Putnam - OCLC

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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)

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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

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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?

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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.)

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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 ## \$cCROSSING THE CHASM Marketing and Selling Disruptive Products to Mainstream Customers Geoffrey A. Moore\$dTHIRD EDITION\$fHARPER BUSINESS An Imprint of HarperCollinsPublishers 2014\$iCopyright © 1991, 1999, 2002, 2014 by Geoffrey A. Moore\$ePrinted in the United States of America\$aOriginally published in hardcover in 1991 by HarperBusiness, an imprint of HarperCollins Publishers.\$bISBN: 978-0-06-229298-8\$aUSA \$19.99\$IA BUSINESSWEEK BESTSELLER



Extension Plan (335) Examples

- *\$a static plan* \$2 rdaep
- *\$a* successive indeterminate plan \$2 rdaep
- *\$a* successive determinate plan \$2 rdaep
- *\$a integrating indeterminate plan* \$2 rdaep
- *\$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 \$I? (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!

Thurstan Young

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