LRM and RDA : overview of the 3R Project

Gordon Dunsire, Chair, RSC
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3R Project

RDA Toolkit Restructure and Redesign

Modern responsive design
    Users of mobile devices
    Users with sensory preferences

RDA content infrastructure
    Convert to DITA standard
    Increase re-use of RDA Reference data

IFLA Library Reference Model

RDA Board strategy

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RDA

"RDA is a package of data elements, guidelines, and instructions for creating library and cultural heritage resource metadata that are well-formed according to international models for user-focussed linked data applications."

RDA Toolkit provides the user-focussed elements, guidelines, and instructions.

RDA Registry provides the infrastructure for well-formed, linked, RDA data applications.

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LRM

2017: Library Reference Model
   International Federation of Library
   Associations and Institutions (IFLA)

LRM consolidates the FR family of models
   1998: FR for Bibliographic Records (FRBR)
   2009: FR for Authority Data (FRAD)
   2010: FR for Subject Authority Data (FRSAD)
   2011: Working Group on Aggregates report

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LRM and RDA

RDA was based on most of FRBR, some of FRAD, all of FRSAD (but mostly out of scope), and none of WGoA

LRM is the opportunity to fill in gaps and reconcile incoherencies

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Is LRM suitable for RDA?

LRM "a high-level conceptual model … intended as a guide or basis on which to elaborate cataloguing rules"

→ RDA guidance, instructions, elements

"operates at a greater level of generality than FRBRoo, which seeks to be comparable in terms of generality with CIDOC CRM"

→ RDA cultural heritage communities

LRM "this model is developed very much with semantic web technologies in mind"

→ RDA linked data communities

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LRM as a model

High-level conceptual model
   Entity-relationship structure

Intended for refinement by implementations
   By sub-typing entities, relationships, and
   attributes

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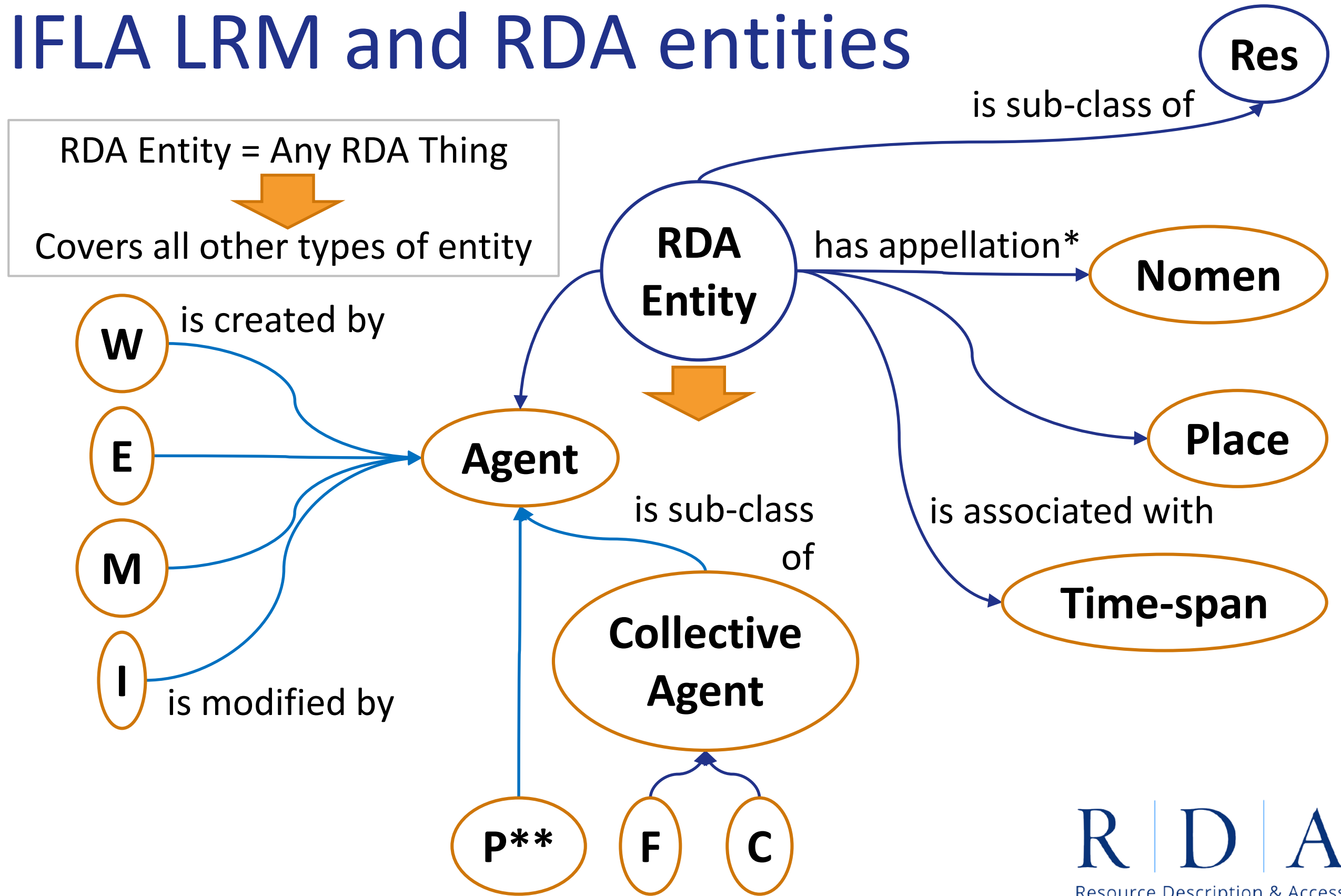Resource Description & Access

LRM entities

Retained:

Work, Expression, Manifestation, Item, Person**

Added:

Agent, Collective Agent, Nomen, Place, Time-span

+ Res (super-class of other entities)

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IFLA LRM and RDA entities

RDA Entity = Any RDA Thing

Covers all other types of entity

Res

RDA Entity

is sub-class of

has appellation*

Nomen

is created by

W

E

M

I

is modified by

Agent

is sub-class of

Collective Agent

Place

is associated with

Time-span

P** **F** **C**

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Beta release

Foundational structure for the organization of elements, instructions, and guidance

Combines
- The organization of entities, attributes, and relationships in the IFLA Library Reference Model (LRM)
- The extension of RDA as an implementation of the LRM and resolution of gaps and inconsistencies in RDA
- Explicit provision of recording methods to improve support for RDA data applications

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Elements

Element is the unit of focus in the new Toolkit
e.g. "performer" has a "page" all to itself

New elements for access points

Distinction between attribute and relationship elements is dependent on the recording method

New entities ☞ more relationships ☞ more inverses
☞Many more elements

The numbers

13 entities	1700+ elements

Work	388	Agent	175
Expression	291	Person	85
Manifestation	282	Collective Agent	34
Item	70	Corporate Body	84
Place	45	Family	46
Timespan	54	Nomen	169
RDA Entity	27		

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Modular structure

Instructions are grouped by element and recording method

    Finer granularity is more flexible for a wider range of applications

Every element page has the same basic structure

RDA Reference data are maintained and displayed separately from guidance and instructions

    Reference data are extracted from the RDA Registry

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RDA Registry

Linked data representations of RDA Reference
   Entities (classes)
   Relationships and attributes (properties)
   Controlled terminologies (concepts)
   + Translations
   + Maps (e.g. to ISBD, MARC Relators, MARC 21)

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Registry data in Toolkit

3R Project
> Basic structure of all element "pages" generated from Registry

Regular releases
> Element page
>> Definition and scope; Element reference; Related elements
> Glossary
> Vocabulary encoding schemes
> Relationship matrix

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Element page structure

Definition and Scope
Element Reference

Prerecording
Recording
    Recording an unstructured description
    Recording a structured description
    Recording an identifier
    Recording an IRI

Related Elements

Instructions

RDA Reference

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Recording methods

Extended to all elements
    Confined to relationships in original Toolkit

Linked data "method" now explicit

4 methods = "4-fold path"
    Unstructured description
    Structured description
    Identifier
    IRI

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Boilerplate

Guidance, instruction, and navigation content components that are re-used in multiple pages in the Toolkit

Re-usable components are updated once
    And translated once

Repetition is a desirable feature of the new Toolkit
- Improves consistency and understanding
- Supports a modular editorial infrastructure
- Reduces costs

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Instructions

There are no rules!

Most instructions are now optional
   Accommodates local practice in a global framework

Instructions assigned to recording methods

Much more choice
☞Flexibility ☺
☞How to choose? ☹

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Optional instructions

Internationalization
    No "one way" of describing and accessing a resource

+ Two or more recording methods are valid for many elements

+ No element is mandatory [except "nomen string"]
        Same as original Toolkit

= Most instructions are optional

Application profile is required to manage choice

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Application profile

What elements must be recorded?

What elements should be recorded?

What elements may be repeated?

What vocabularies are used?

What recording methods are used?

What options are used?

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Application profiles in RDA Toolkit

Multiple ways:

Bookmarks and notes

Policy statements

Workflows and other user documentation

External documents

Range of contexts, usage, and sharing

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Bookmark + note

Conditions

Many instructions apply only when one or more conditions is met

- Kind of resource being described
- Specific characteristic of resource being described
- Existence of pre-recorded data
- Etc.

"Alternative" = option for the same set of conditions

"Exception" = different set of conditions

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CONDITION

More than one value appears on the source of information for the element.

OPTION

Record a value that appears first on the source of information.

OPTION

Record each of one or more values in the order indicated by the sequence, layout, or typography of the source of information.

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Translations

Modular structure supports translation
    Boilerplate; standard phrasing

RDA Reference is translated independently of other Toolkit content
    Translated data processed in the same way as English data

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RSC/Policy/6 - Translation Policy for RDA and RDA Toolkit

Navigation

- News and Announcements
- RDA Board
- RSC Members
- RDA Regions
- About RDA
- Working Groups
- Documents
- Presentations

Home

Document type:

Policy

Year:

2016

Document number:

RSC-Policy-6

- RSC/Policy/6 [2016/01/28]

RSC Translations Working Group (2015-)

Chair

Daniel Paradis

See terms of reference and current membership/tasks of the RSC Translations Working Group.

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The new RDA Toolkit

A package of data elements, guidelines, and instructions …

A package that meets the resource description and access needs of the 21st century

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Thank you!

RDA Steering Committee
http://www.rda-rsc.org/

RDA presentations
http://www.rda-rsc.org/node/560

RDA Toolkit
https://www.rdatoolkit.org/

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