

# *RDA Update: The 3R Project*

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# Acknowledgements

- + These slides include screenshots from an alpha version of the new RDA Toolkit
- + Some slides include content from presentations:
  - + Gordon Dunsire, *Appellations, Authorities, and Access Plus*, June 2017
  - + James Hennelly and Judith Kuhagen, *Update on 3R Project*, June 2017
  - + Kathy Glennan, *Rethinking, Restructuring, & Redesigning RDA*, December 2017
  - + Kathy Glennan for Kate James, *Representative Expressions*, February 2018
  - + Linda Barnhart for Kate James, *Elements, Attributes, and Relationships, Oh My!*, February 2018
- + Thanks to ALA Publishing and listed presenters for permission to reuse and adapt their materials

# What is the 3R Project?

- + RDA Toolkit Restructure and Redesign
- + Restructure of underlying data to reflect current data management best practices
- + Redesign Toolkit interface to address longstanding problems
- + Update RDA to reflect IFLA Library Reference Model

# Why?

- + Need for redesign of Toolkit to meet accessibility standards
- + Current structure not sustainable for increasing number of policy statements and translations
- + Take advantage of new technologies
- + RDA content is based on conceptual models that have changed

# Who?

- + RSC+ (RDA Steering Committee and RDA Working Group Chairs)
- + 3R Core Team (RSC Chair, Chair Elect, Secretary, Examples Editor, Director of ALA Digital Reference, and Wider Community Engagement Officer)
- + Dakota Systems for content management
- + GVPi for Toolkit design
- + Design for Content consultants for user-experience design

# When?

- + Beta version of new Toolkit to be released on June 13<sup>th</sup>
- + Probably 3 more updates (likely Sept., Dec., and Feb.) to complete project
- + Current Toolkit will remain available during interim and will stay up for a year after new Toolkit is fully functional

# RDA Registry

<http://www.rdaregistry.info/>



# RDA Registry Nutshell

- + **Freely** available website launched in 2014 and maintained by RSC and Metadata Management Associates (MMA)
- + Contains RDA element sets and value vocabularies in Resource Description Framework (RDF)
- + Main uses:
  - + Facilitates RDA-created data for Semantic Web
  - + Developers can download and synch files
  - + Tool to enhance catalogers understanding of RDA



# RDA Registry Terminology

- + **Domain:** entity that the element belongs to
- + **Range:** entity that a relationship element points to
- + **Properties:** RDA elements including relationship designators
- + **RDA Reference value vocabularies:** the set of vocabularies used for RDA elements

# RDA Registry Organization

- + Properties are organized by entity
- + Listed in numerical order by compact URI, but there is a search box
- + Vocabulary terms are listed by vocabulary name then by compact URI
- + Definitions are slightly different than in Toolkit, but the meaning is the same

# RDA Registry: Work Properties

- + Verbalized labels facilitate understanding
- + Attributes, relationships, and relationship designators all listed together

rdaw:P10078	"has expression of work"	"Relates a work to a realization of a work in the form of alpha-numeric, musical or choreographic notation, sound, image, object, movement, etc., or any combination of such forms."
rdaw:P10079	"has numeric designation of musical work"	"Relates a work to a serial number, opus number, or thematic index number assigned to a musical work by a composer, publisher, or a musicologist."
rdaw:P10080	"is subseries"	"Relates a work to a serial or multipart work that consistently appears in a larger work; a title of a larger work appears on all issues or parts of a subseries"

# Interpreting RDA Registry Labels

rdaa:P50095	"has corporate member"	<b>Domain</b>	"Relates a person to a corporate body of which the person is a member."	<b>Range</b>	person is
rdaa:P50096	"has employer"		"Relates a <u>person</u> to a <u>corporate body</u> that employs a <u>person</u> ."		
rdaa:P50097	"has country associated with person"		"Relates a person to a country with which a person is identified."		<b>Toolkit definition</b>

+ You can make a simple sentence with the labels, e.g., Kate James *has employer* Library of Congress

# New RDA Toolkit



2 May 2018  
FEDLINK Spring  
Exposition

# RDA Toolkit Work in Progress!



- + Screenshots taken from RDA Toolkit alpha website
- + Design and content may change
- + Content being added weekly and some content is placeholder text
- + Screenshots may look a bit blurry

Welcome back, Neil

Drop-down menus replace table of contents and tabs



Recently Viewed Instructions

Release Notes - T >

Entity: Agent  
04/12/2018 12:03:39 EST

Entity: Manifestation  
04/12/2018 12:04:01 EST

Element: extent of manifestation  
04/12/2018 12:04:47 EST

Entity: Expression  
04/12/2018 08:47:31 EST

Element: language of expression

Remembers instructions viewed in last session

News

All News >

3R Project Status Report #5

3R Project Status Report #5 Anonymous (not verified) Tue, 04/24/2018 - 22:52



3R Project

# Toolkit Navigation: Current and New

## Current

- + Instructions organized by section then chapter
- + Table of contents expands
- + Link to another instruction or policy statement replaces current instruction
- + Related content (e.g., MARC mappings and RDA Registry) scattered

## New

- + Instructions organized by entity
- + Elements listed by entity; possibly entity view diagram added later
- + Preview pane allows viewing current instruction and related instructions or PS
- + Element Reference section



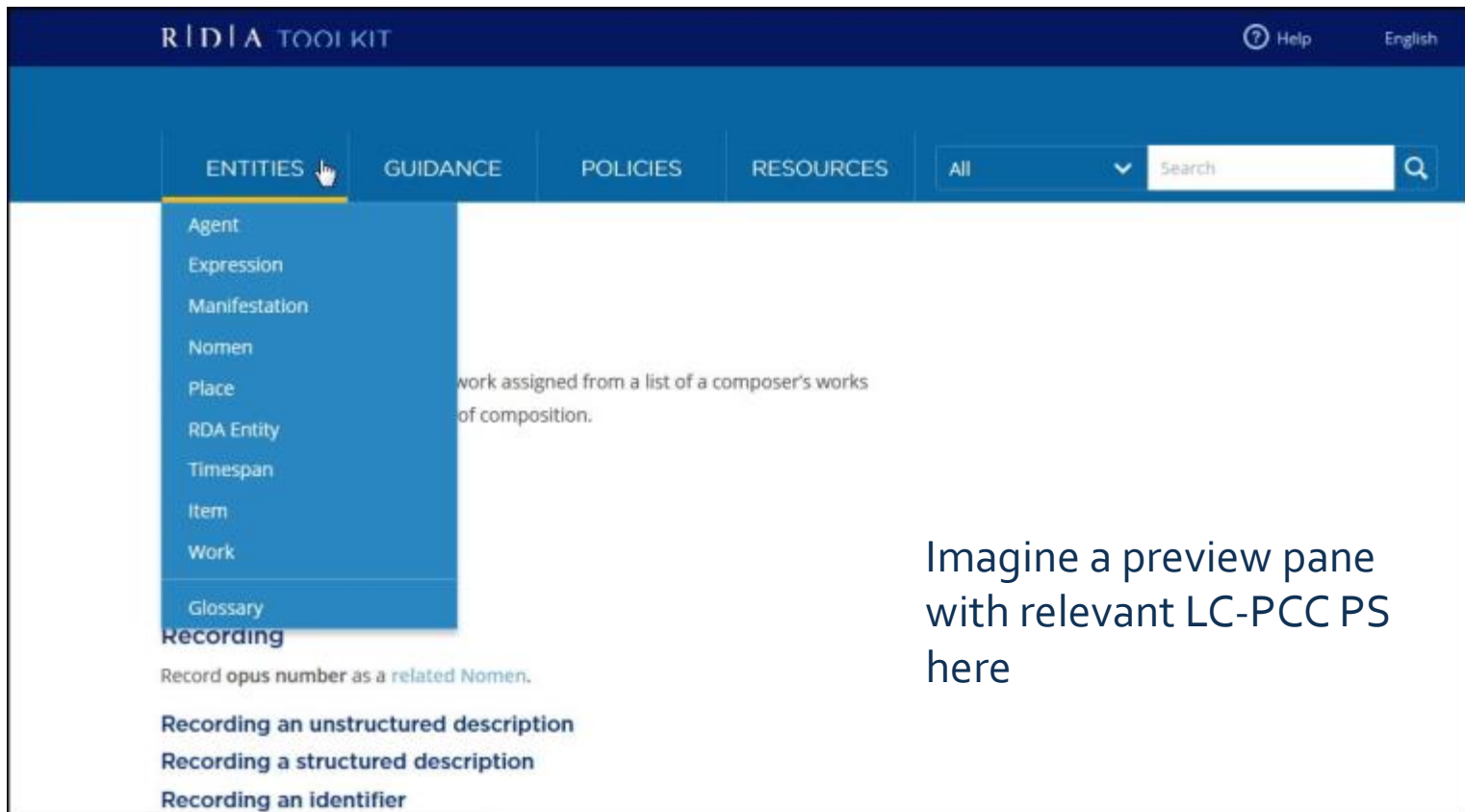
# Current Toolkit: RDA Table of Contents

- 6: Identifying Works and Expressions
  - 6.0 Purpose and Scope
  - + 6.1 General Guidelines on Identifying Works and Expressions
  - 6.2 Title of Work
    - + 6.2.1 Basic Instructions on Recording Title of Work
    - 6.2.2 Preferred Title for Work
      - 6.2.2.1 Scope
      - 6.2.2.2 Sources of Information
      - 6.2.2.3 General Guidelines on Choosing a Preferred Title
      - 6.2.2.4 Works Created after 1500
      - 6.2.2.5 Works Created before 1501
      - 6.2.2.6 Titles in the Original Language Not Found or Not Applicable
        - 6.2.2.6.1 Titles from Reference Sources
        - 6.2.2.6.2 Devised Titles

- 7: Describing Content
  - 7.0 Purpose and Scope
  - + 7.1 General Guidelines on Describing Content
  - + 7.2 Nature of Content
  - + 7.3 Coverage of Content
  - + 7.4 Coordinates of Cartographic Content
  - + 7.5 Equinox
  - + 7.6 Epoch
  - + 7.7 Intended Audience
  - + 7.8 System of Organization
  - + 7.9 Dissertation or Thesis Information
  - + 7.10 Summarization of Content
  - + 7.11 Capture Information
  - + 7.12 Language of Content
  - + 7.13 Form of Notation
  - + 7.14 Accessibility Content
  - + 7.15 Illustrative Content
  - + 7.16 Supplementary Content
  - + 7.17 Colour Content
  - + 7.18 Sound Content
  - + 7.19 Aspect Ratio
  - + 7.20 Format of Notated Music

*Pop Quiz: Which elements are for work and which are for expression?*

# New Toolkit: Dropdown Menu



The screenshot displays the RDA Toolkit interface. At the top, the title "RDA TOOLKIT" is visible on the left, and "Help" and "English" are on the right. Below the title bar, there are four main navigation tabs: "ENTITIES", "GUIDANCE", "POLICIES", and "RESOURCES". The "ENTITIES" tab is currently selected, and a dropdown menu is open below it, listing the following categories: Agent, Expression, Manifestation, Nomen, Place, RDA Entity, Timespan, Item, Work, and Glossary. To the right of the dropdown, there is a search bar with a dropdown menu set to "All" and a search input field containing the text "Search". Below the search bar, there is a preview pane showing a snippet of text: "work assigned from a list of a composer's works" and "of composition." Below this snippet, there are several bolded headings: "Recording", "Recording an opus number as a related Nomen.", "Recording an unstructured description", "Recording a structured description", and "Recording an identifier".

Imagine a preview pane with relevant LC-PCC PS here

# New Toolkit: Entity “Chapter”

- + Contains information about the entity
- + Contains a list of its elements

ENTITIES	GUIDANCE	POLICIES	RESOURCES
<h2>Work</h2> <h3>Definition and Scope</h3> <p>A distinct intellectual or artistic creation, that is, the intellectual or artistic content.</p> <h3>Prerecording</h3> <p>The <a href="#">elements that are part of the Work entity</a> are associated with the intellectual or artistic content of a Work. They are typically used to select a work that meets the user's needs in terms of its content (e.g., nature of the content, intended audience, language).</p> <p>The term Work can refer an individual work, an aggregate work, or a component of a work.</p> <p>For guidelines on recording relationships between a work and its subjects, see <a href="#">Subjects</a>.</p>			

# New Toolkit: Related Elements

- + Scroll down element instructions to Related elements section

**Related elements**

For broader elements, see:

- [related agent of work](#)

For narrower elements, see:

- [architect](#)
- [artist](#)
- [author](#)
- [cartographer of work](#)
- [choreographer of work](#)
- [compiler](#)
- [composer of work](#)

Callout 1: **Related elements for creator**

Callout 2: **Relationship designators are elements because they are a type of creator**

# New TK: Element Reference

## language of expression

Related Sections (0)

Show None

### Definition and Scope

A language used for the content of an expression.

Expands and collapses by clicking on eye

 Element Reference

IRI

IRI from RDA Registry represents element

<http://rdaregistry.info/Elements/e/P20006>

Domain

Expression

Alternate labels

Alternate label from RDA Registry

has language of expression

MARC21

MARC tag mapping provided at each element

110 \$l

111 \$l

130 \$l

240 \$l

243 \$l

377 \$a

# New Toolkit: Glossary

## Glossary

A

### **back to back**

A layout in which the same image is represented in more than one language on each side of a sheet. This term applies to cartographic images.

B

C

### **bar by bar**

This term applies to tactile music resources.

D

A layout consisting of music displayed in indented paragraphs with all of the parts for each measure written consecutively.

E

F

### **bar over bar**

A layout consisting of measures displayed in units called parallels and that the beginning of each part's measure is vertically aligned with the beginning of the same measure for the other part or parts.

H

This term applies to tactile music resources.

I

### **base material**

An underlying physical material of a manifestation.

# New RDA Content



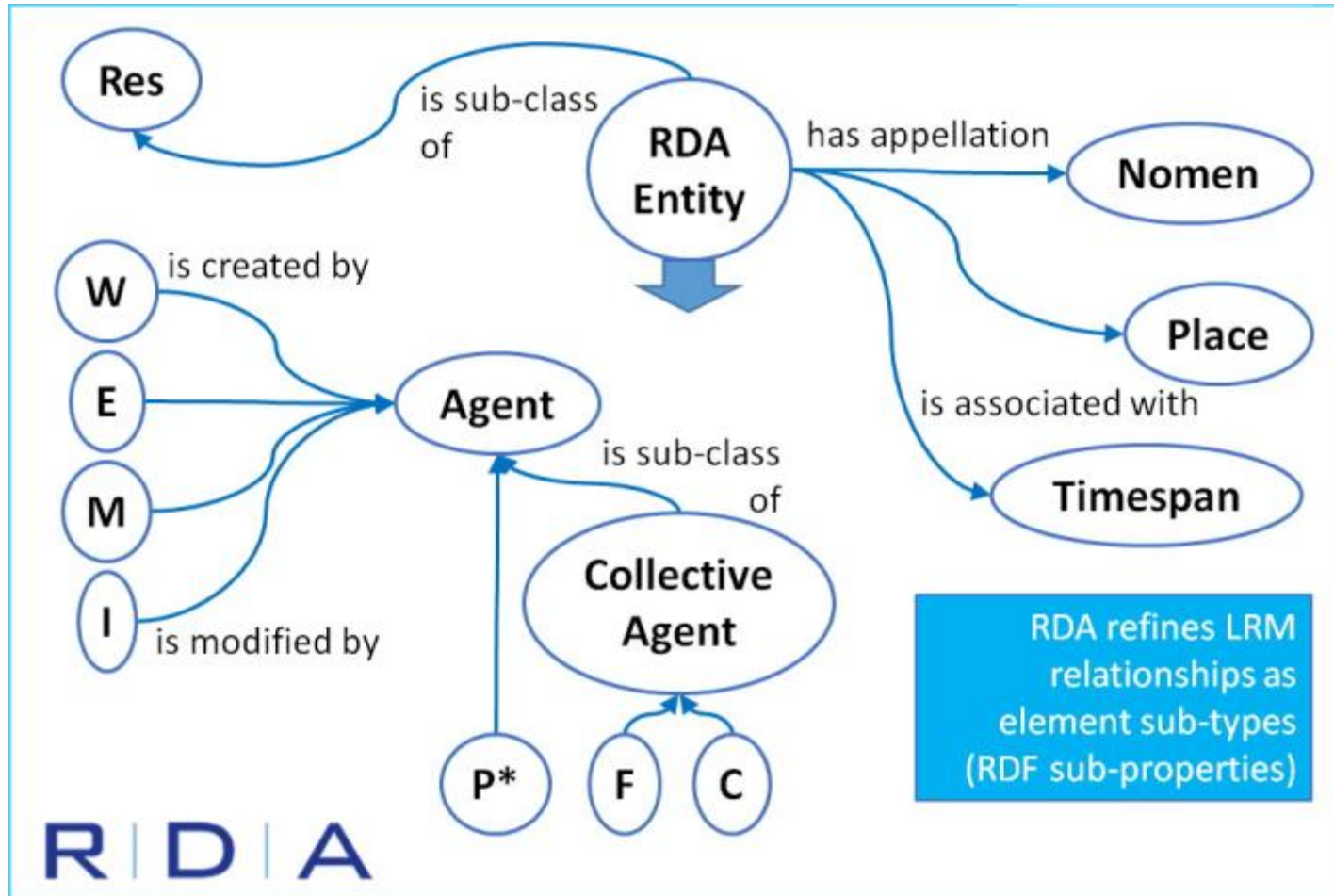
2 May 2018  
FEDLINK Spring Exposition  
Exposition

# New Entities

- + RDA Entity
- + Agent
- + Collective Agent
- + Timespan
- + Nomen



# LRM and RDA Entities



# RDA Entity

- + Not defined in LRM, but can be considered refinement of LRM entity "Res"
- + Will not be as broad as "Res"
- + A superclass for all RDA entities (e.g., Work, Place, Agent)

# Agent and Collective Agent

## + Agent

- + person and collective agent
- + in RDA instructions since 2017 as shorthand way of saying “person, family, or corporate body”
- + must be one or more real human beings

## + Collective Agent

- + corporate body or family

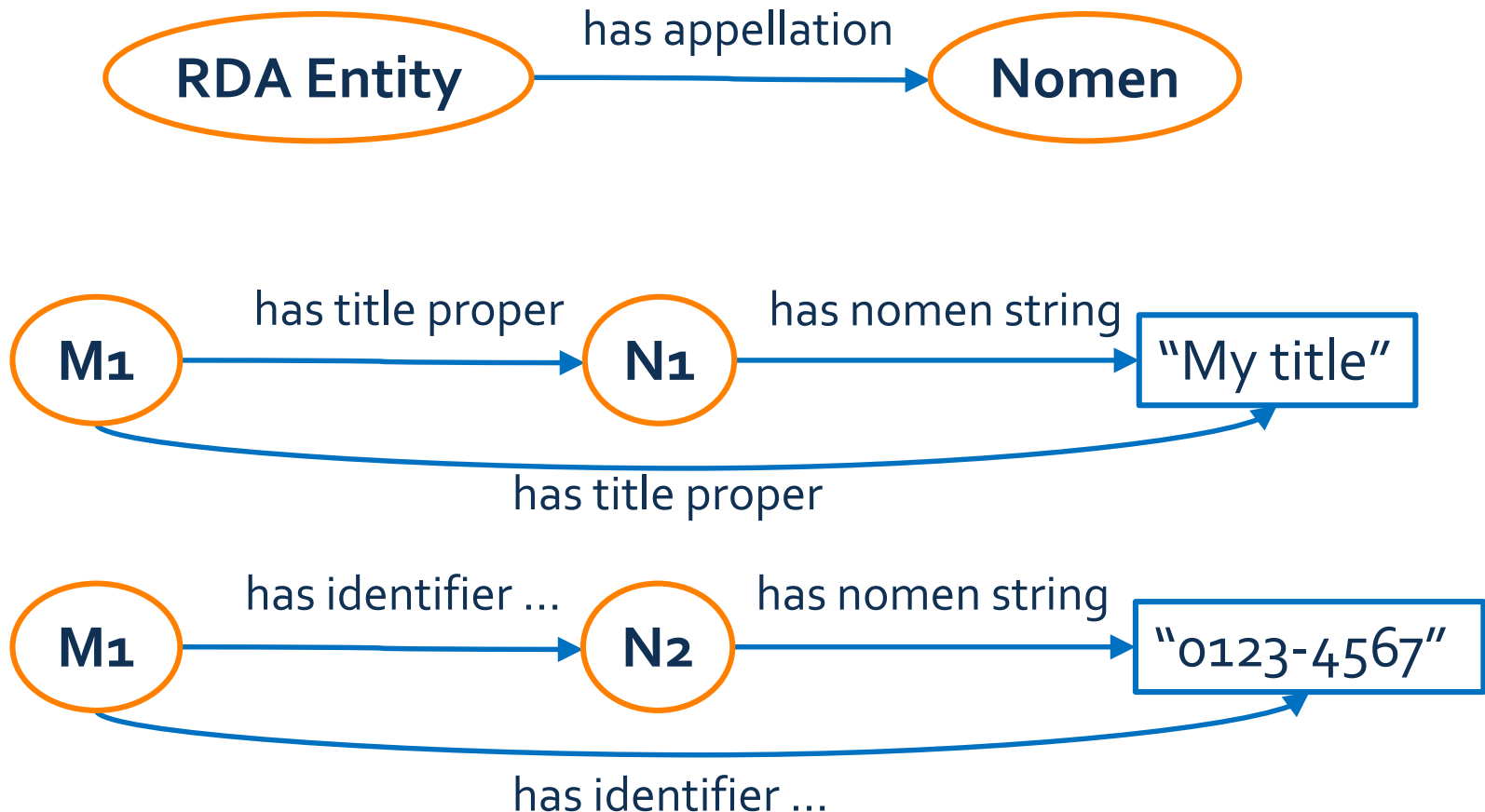
# Timespan

- + LRM definition: “a temporal extent having beginning, end, and duration”
- + a timespan can be expressed more generally or specifically
  - + 20 March 2018–21 March 2018
  - + 17<sup>th</sup> century
  - + 1922
- + latent entity in RDA as an attribute for other entities
  - + date of work
  - + period of activity of corporate body

# Nomen

- + Not the same concept as the Latin word
- + LRM definition: An association between an entity and a designation that refers to it
- + Agents are “things” that we often use “nomen strings” to represent

# Shortcutting Through Nomen



# Changes to Elements

- + New elements
  - + Representative expression
  - + Relationship designators are element sub-types
- + Attributes and relationships together with entity
- + Verbalized labels from Registry available
- + Three elements moving from work to expression:  
**medium of performance, key, and intended audience**

# Representative Expression Nutshell

- + A work attribute
  - + Work *has representative expression attribute* “expression attribute value”
    - + Hamlet *has representative expression attribute* English
- + “a pragmatic way to ‘park’ information under the work, and in this way avoid the need to record the information in association with any specific expression”



# Representative Expression in RDA

- + RDA will contain a general guidance chapter on representative expression
- + A relationship element will be defined
- + Specific representative expression elements will be defined for use as work elements
- + Implementation is an agency decision
- + Expression elements will remain available for use unless affected by another 3R change
  - + There may be changes to labels and definitions

# Representative Expression Examples

- + **Relationship:** William Shakespeare's Hamlet *has* *has representative expression* F<sub>1</sub>
- + **Relationship:** F<sub>1</sub> *is representative expression of* Hamlet
- + **Specific Attribute:** Hamlet *has language of* *representative expression* English
- + **Specific Attribute:** C.P.E Bach's Sonata H. 579 *has key of* *representative expression* C minor

# Attributes and Relationships

## Current

- + Attributes and relationships are elements
- + Attributes and relationships in separate chapters
  - + Identifier for Item (2.20)
  - + Item relationships in chapters 17, 22, and 28

## New

- + Attributes and relationships are elements
- + Attributes and relationships together
  - + Item: identifier for item
  - + Item: manifestation exemplified

# Attributes as Relationships

- + When one entity is recorded as an attribute of another, there is a relationship
  - + **Associated institution** is a current example
- + New entities blur line between attributes and relationships even more
  - + Amy Tan **has date of birth** 1952
  - + Amy Tan **has related timespan of person** 1952

# Relationship Designators as Elements

## Current

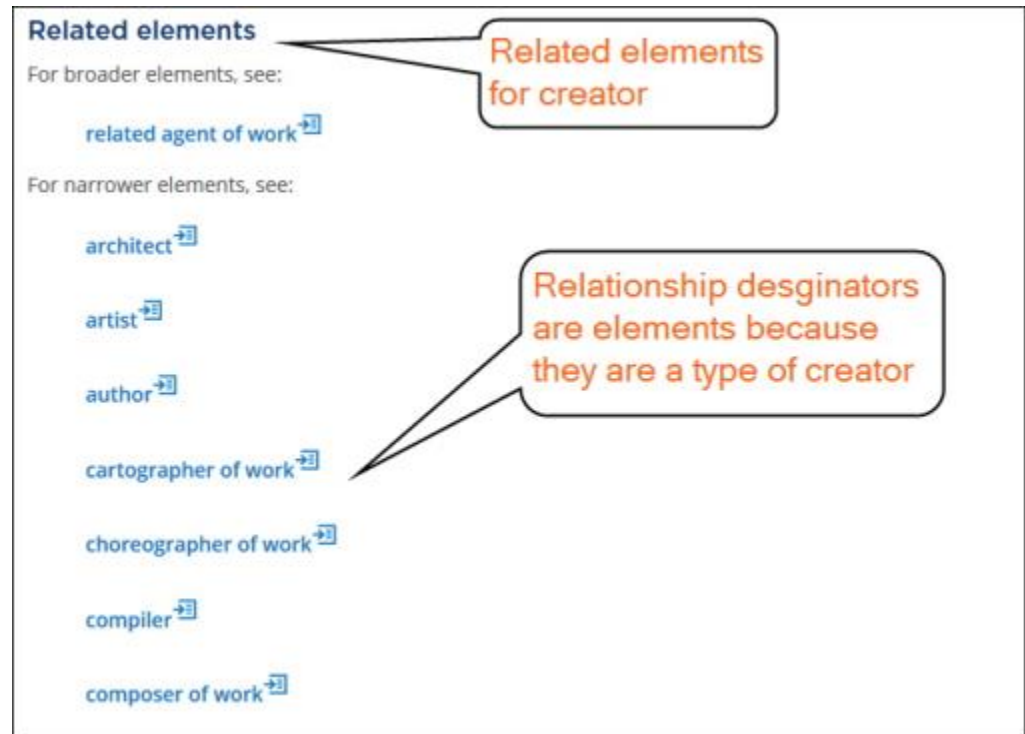
- + Creator (Chapter 19)
  - + relationship designators (I.2.1)
  - + instructions for relationship designators in Chapter 18
- + Instructions for use in Chapters 18, 24, and 29
- + Part of the relationship element

## New

- + Work: creator
  - + Related elements: artist, author, cartographer, composer, etc.
- + General guidance and instructions at each element
- + It is the relationship element

# New Toolkit: Related Elements, revisited

- + Intellectual collocation of designators and relationship elements
- + Relationship designators have semantic value for linked data and end users



# RDA Registry, revisited

- + Many of the good qualities of the RDA Registry are now part of the Toolkit, but more user-friendly
- + Using RDA Registry label or familiar Toolkit label is a matter of agency needs and preference—they are both RDA

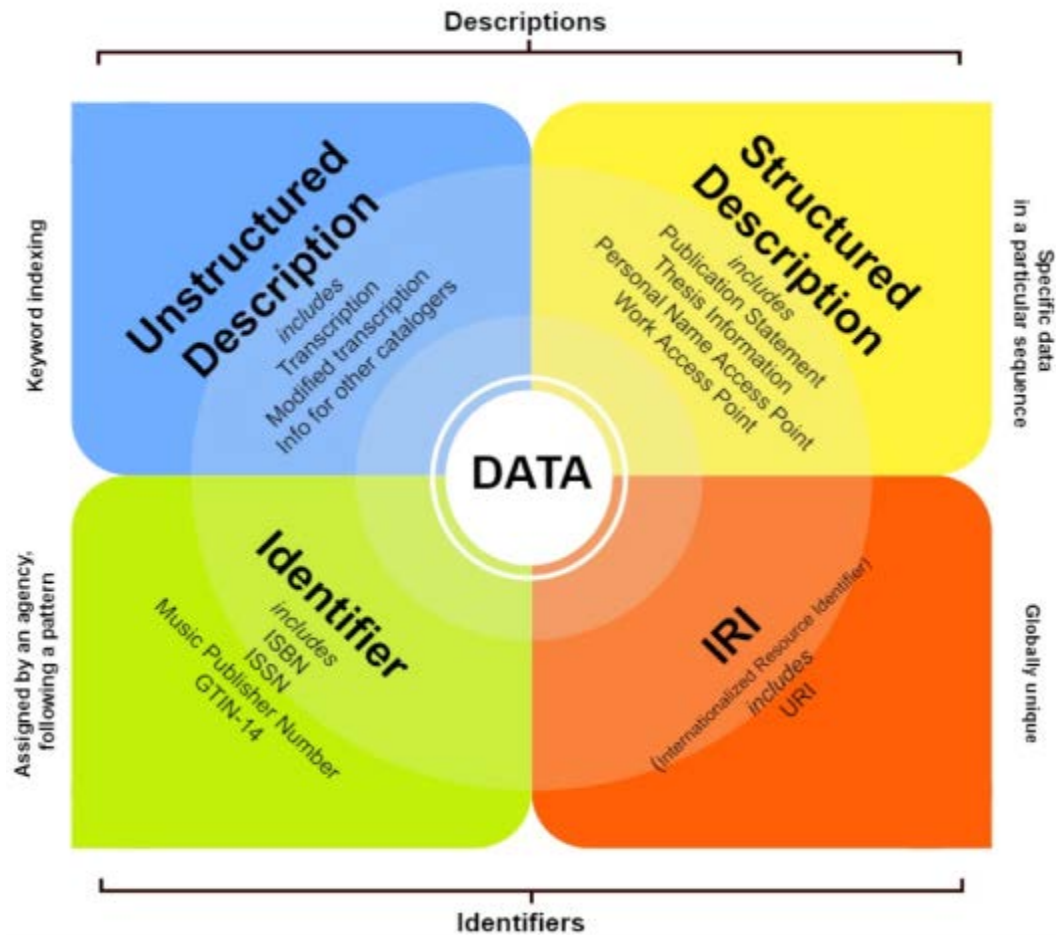
rdaw:P10078	"has expression of work"	"Relates a work to a realization of a work in the form of alpha-numeric, musical or choreographic notation, sound, image, object, movement, etc., or any combination of such forms."
rdaw:P10079	"has numeric designation of musical work"	"Relates a work to a serial number, opus number, or thematic index number assigned to a musical work by a composer, publisher, or a musicologist."
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# Recording Methods

- + Four recording methods:
  - + Unstructured description
  - + Structured description
  - + Identifier
  - + IRI
- + Allows for many RDA implementation scenarios
- + Agencies can use multiple recording methods if desired
- + Not all recording methods available for all elements



# Recording Methods Nutshell



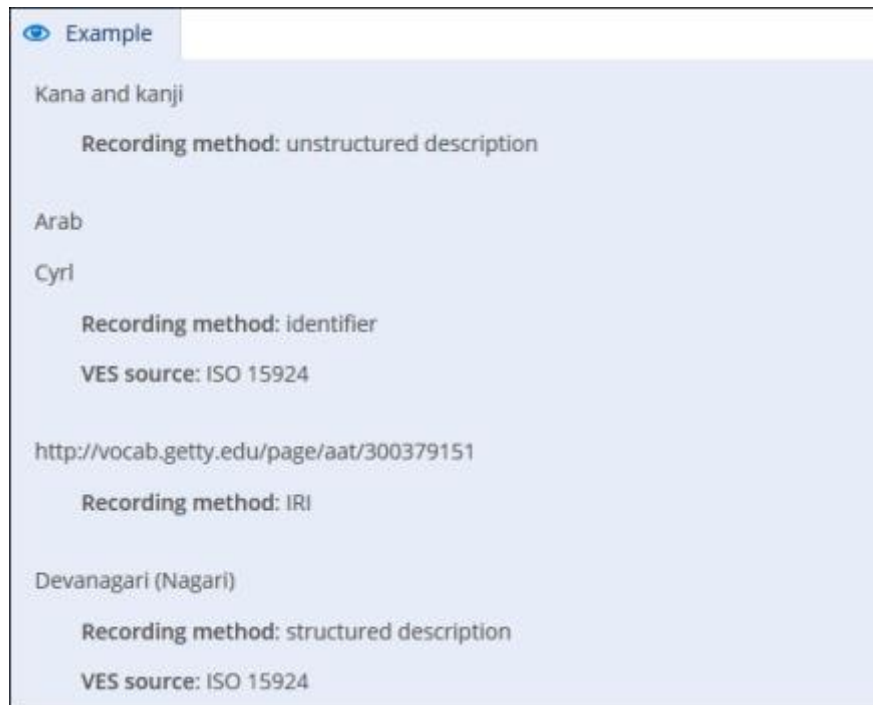
# Recording Methods Example

- + Unstructured Description
  - + 평창군
- + Structured Description
  - + P'yŏngch'ang-gun (Korea)
- + Identifier
  - + LCCN n 78070187
- + IRI
  - + <http://id.loc.gov/authorities/names/n78070187>
- + Not all methods available for all elements

# Example Changes

- + 4 different types of examples
  - + Basic Set
    - + Resembles current examples
  - + Recording Methods
    - + Shows the same data recorded in different ways
  - + View as Relationship
    - + diagram
  - + View in Context
    - + A set of data elements for an entity

# New TK: Basic Set Examples

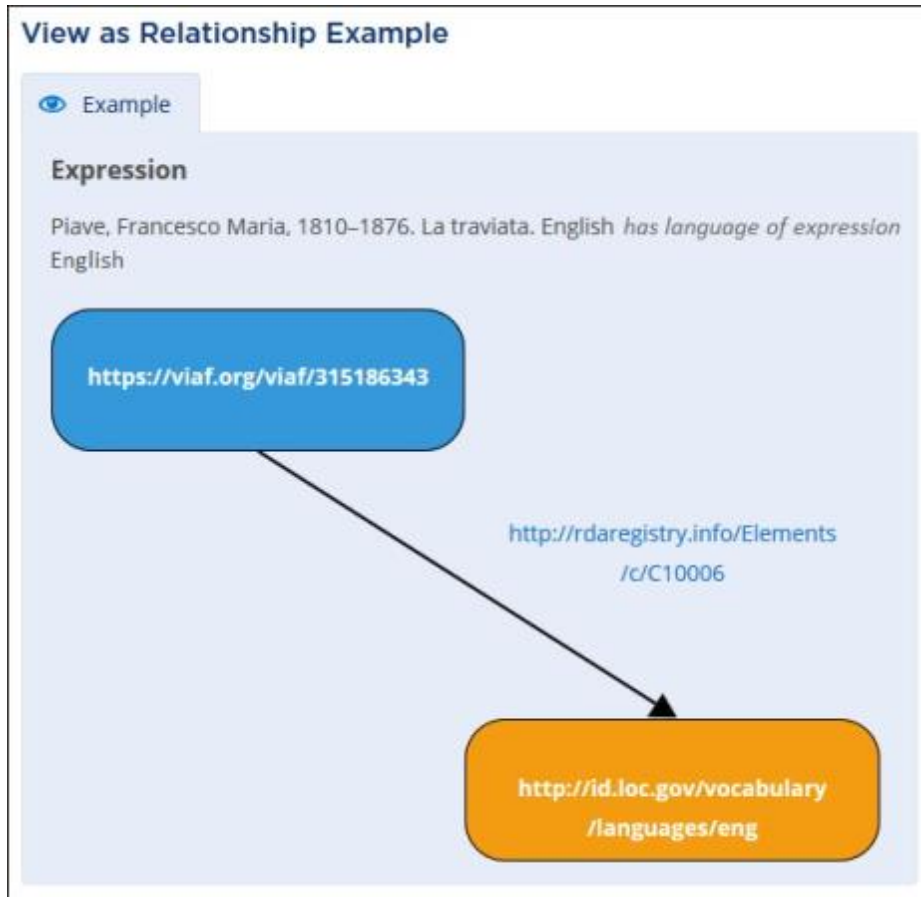


The screenshot shows a window titled "Example" with a list of recording methods for different scripts. The items are:

- Kana and kanji  
Recording method: unstructured description
- Arab
- Cyrl  
Recording method: identifier  
VES source: ISO 15924
- <http://vocab.getty.edu/page/aat/300379151>  
Recording method: IRI
- Devanagari (Nagari)  
Recording method: structured description  
VES source: ISO 15924

- + Will show a variety of recording methods if applicable
- + Will appear in relevant portion of instructions
- + These are examples for the element "script"

# New TK: View as Relationship Example



- + Example resembles a visualization of an RDF triple
- + All parts of this example can be represented with IRIs
- + Notice the verbalized label and IRI from RDA Registry

# New TK: View in Context Example

## View in Context Example

Example

### Expression

*has access point for expression* Brunhoff, Jean de, 1899–1937. Babar en famille. English. Spoken word

*has content type* spoken word

*has place of capture* New York, New York

*has date of capture* October 28, 1940

***has language of expression*** English

*has date of expression* 1940

*has narrator* Luther, Frank, 1905–1980

- + These examples are repeated in several elements in the new Toolkit
- + The blue text shows from which element you are viewing the example. Here you are viewing the example from “language of expression”

# Want to know more about 3R?

- + RDA Toolkit 3R Project website:  
<http://rdatoolkit.org/3Rproject>
- + 3R FAQ page on RSC website:  
<http://rda-rsc.org/node/551>
- + IFLA Library Reference Model in PDF:  
[https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017\\_rev201712.pdf](https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017_rev201712.pdf)
- + Presentations on RSC website:  
<http://www.rda-rsc.org/rscpresentations>