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 13th
- 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/

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Exposition

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

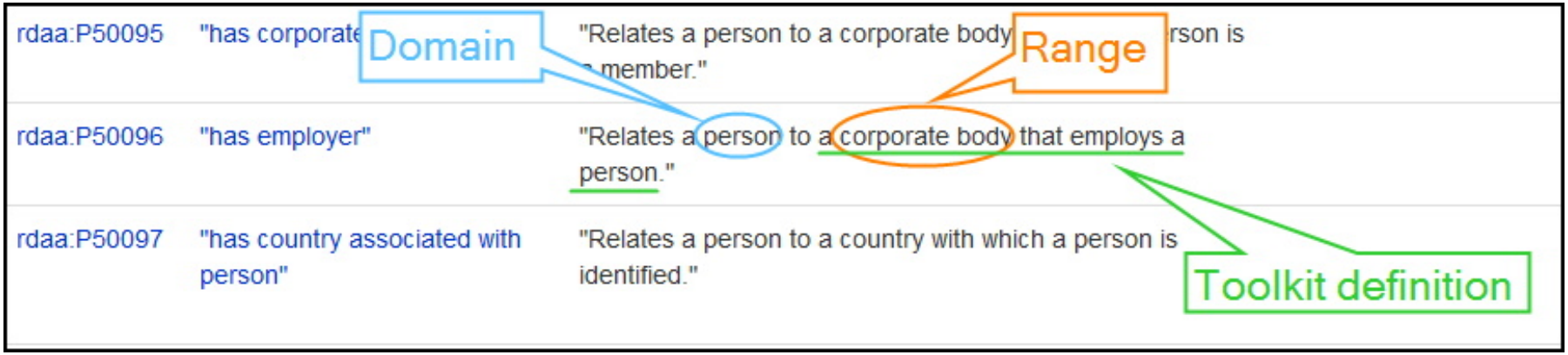
- Properties are organized by entity
- Listed in numerical order by compact URI, but there is a search box
- Vocabulary terms are listed by vocabulary name then by compact URI
- Definitions are slightly different than in Toolkit, but the meaning is the same

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



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

New RDA Toolkit

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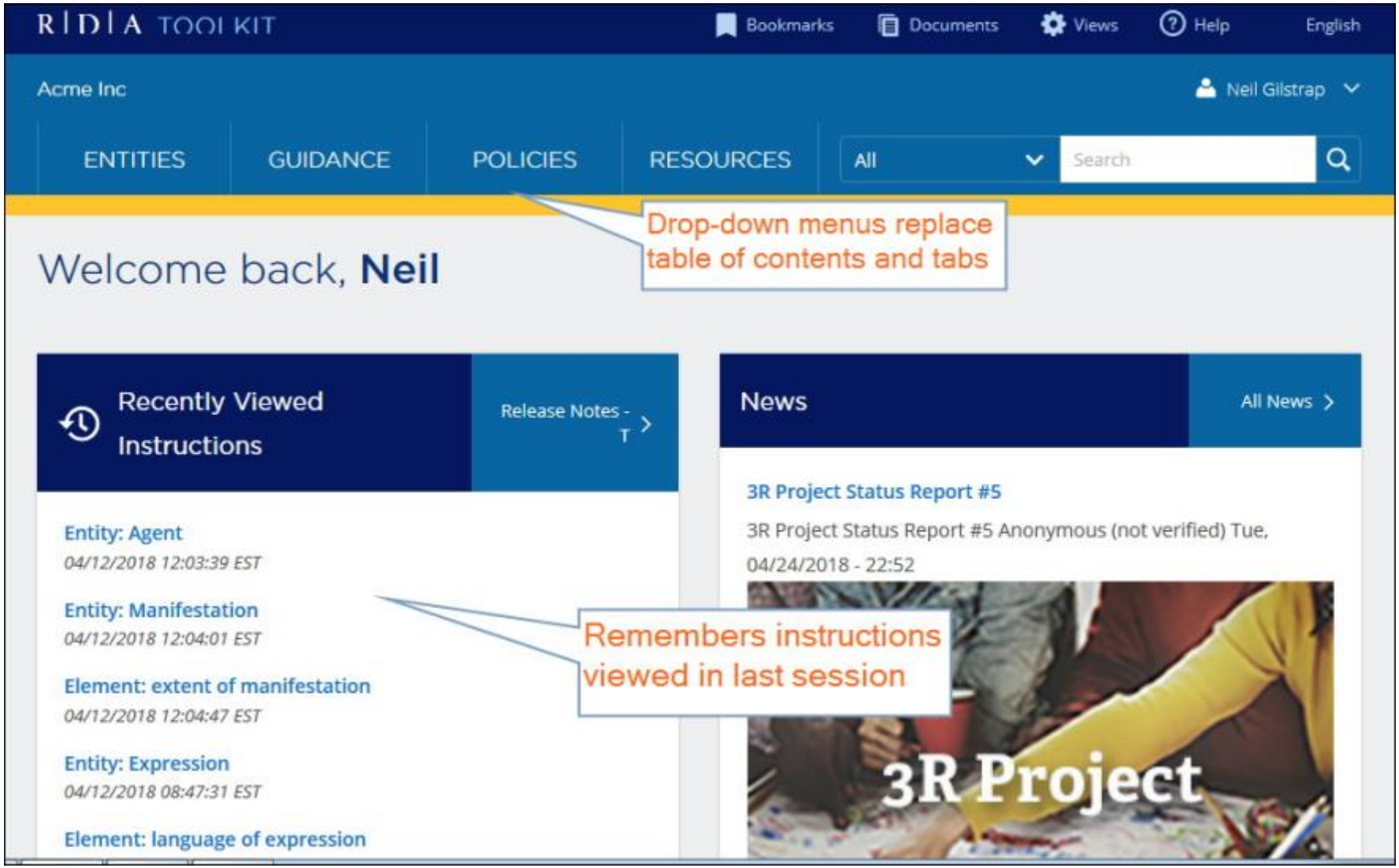
RDA Toolkit Work in Progress!

- 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


RIDIA TOOLKIT
Bookmarks
Documents
Views
Help
English
Acme Inc
Neil Gilstrap
ENTITIES
GUIDANCE
POLICIES
RESOURCES
All
Search
Drop-down menus replace table of contents and tabs
Welcome back, Neil
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

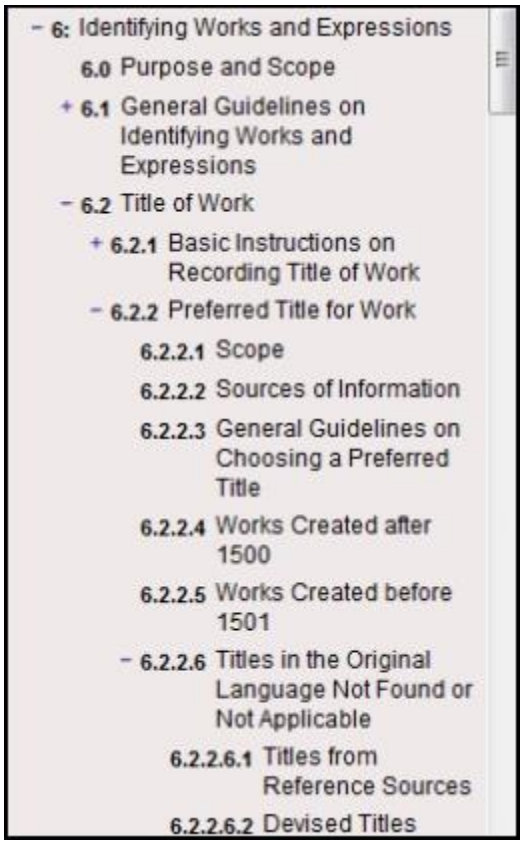
Current

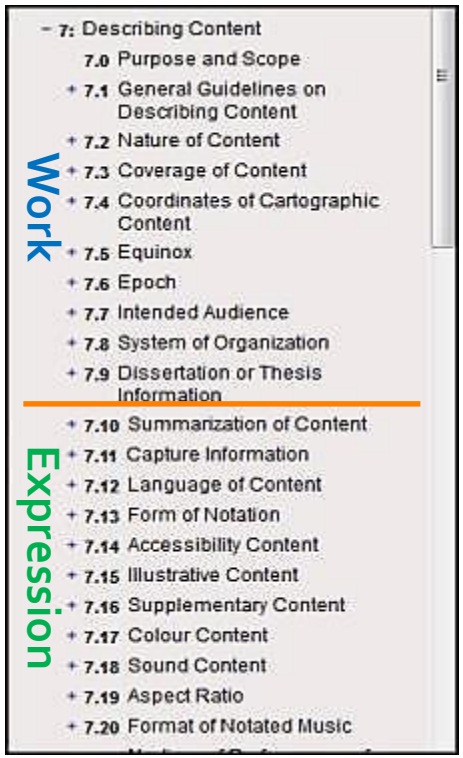
- Instructions organized by section then chapter
- Table of contents expands
- Link to another instruction or policy statement replaces current instruction
- Related content (e.g., MARC mappings and RDA Registry) scattered

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

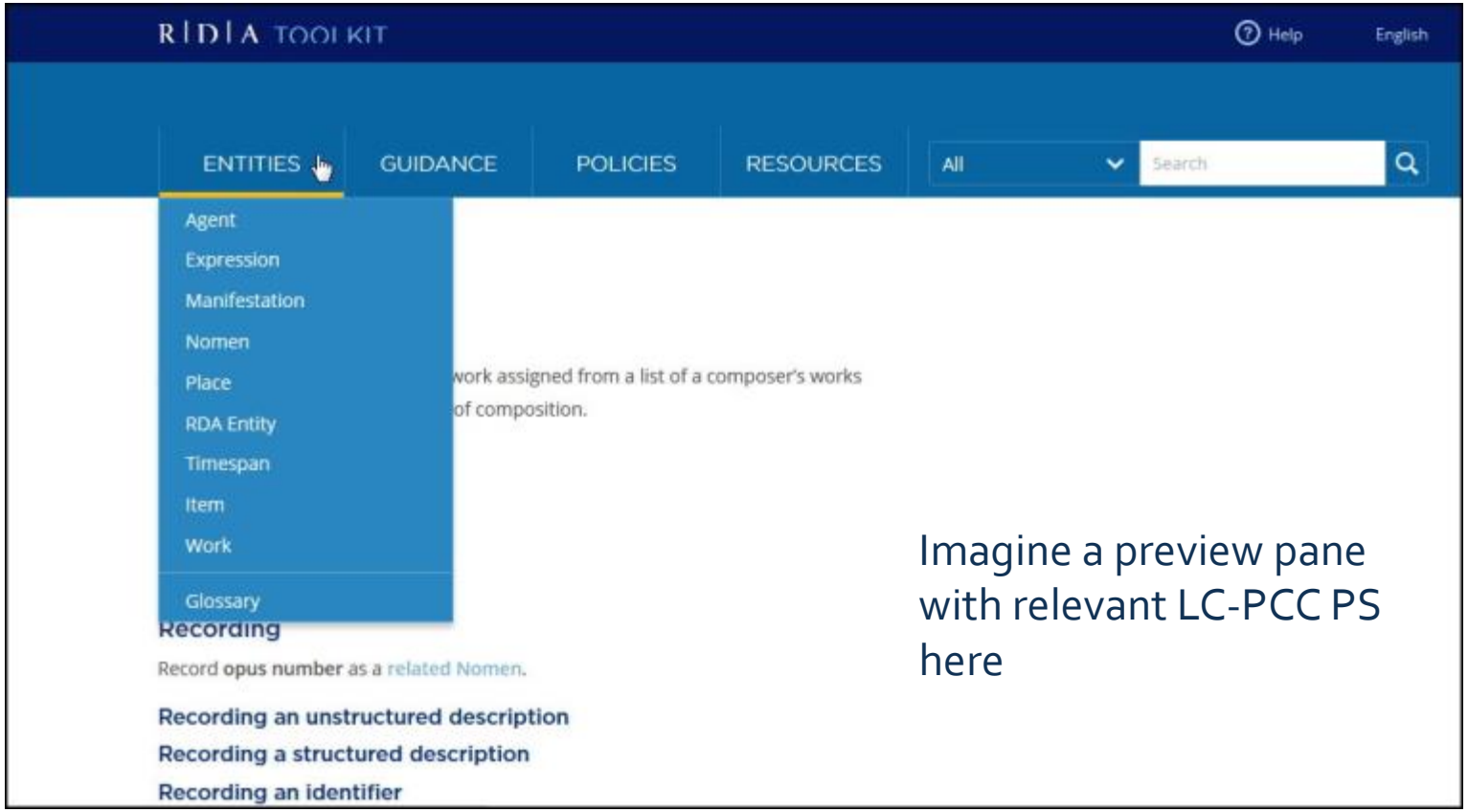
Current Toolkit: RDA Table of Contents





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

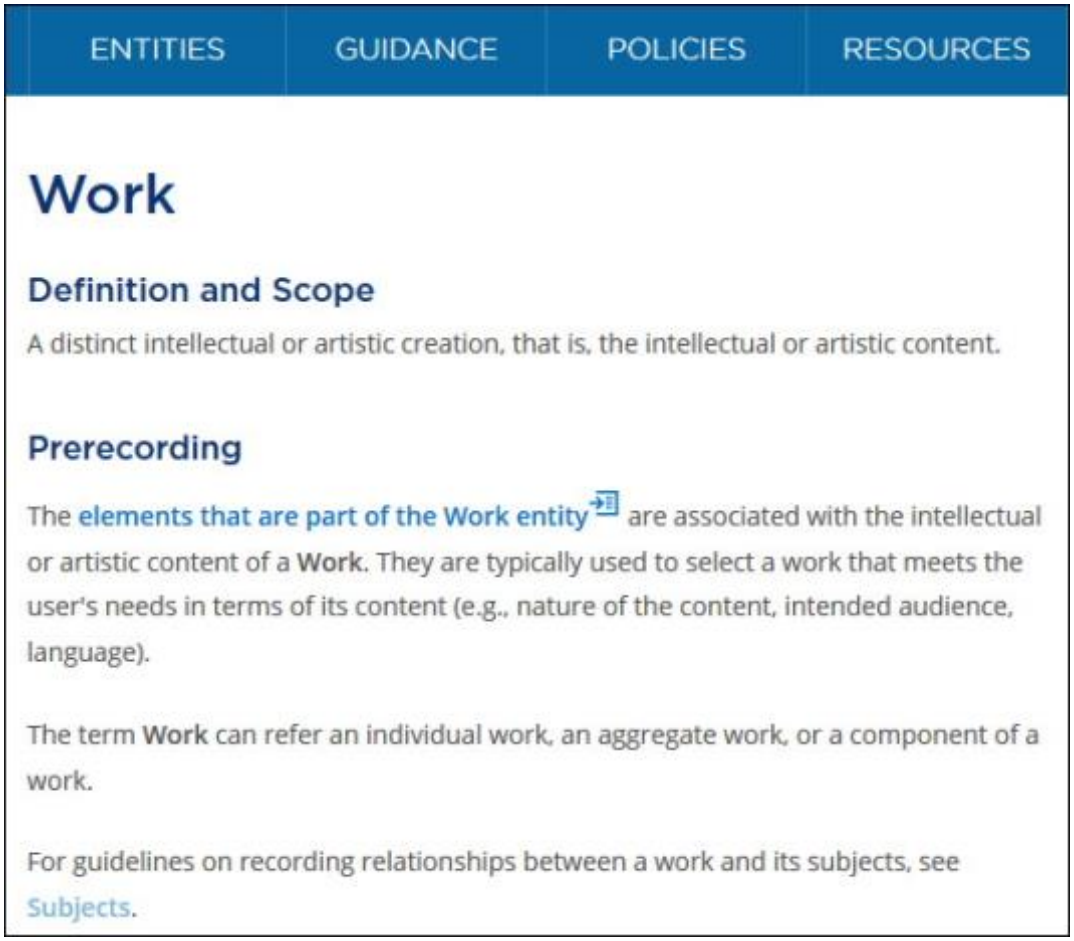
New Toolkit: Dropdown Meu



Imagine a preview pane with relevant LC-PCC PS here

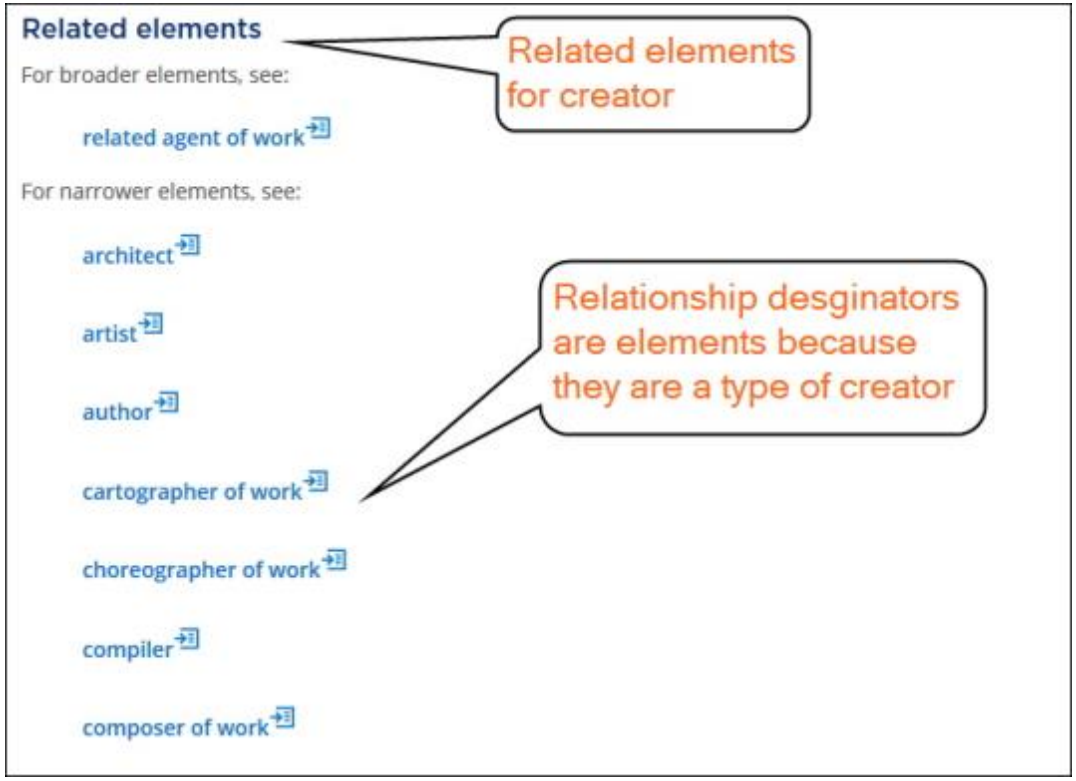
New Toolkit: Entity "Chapter"

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

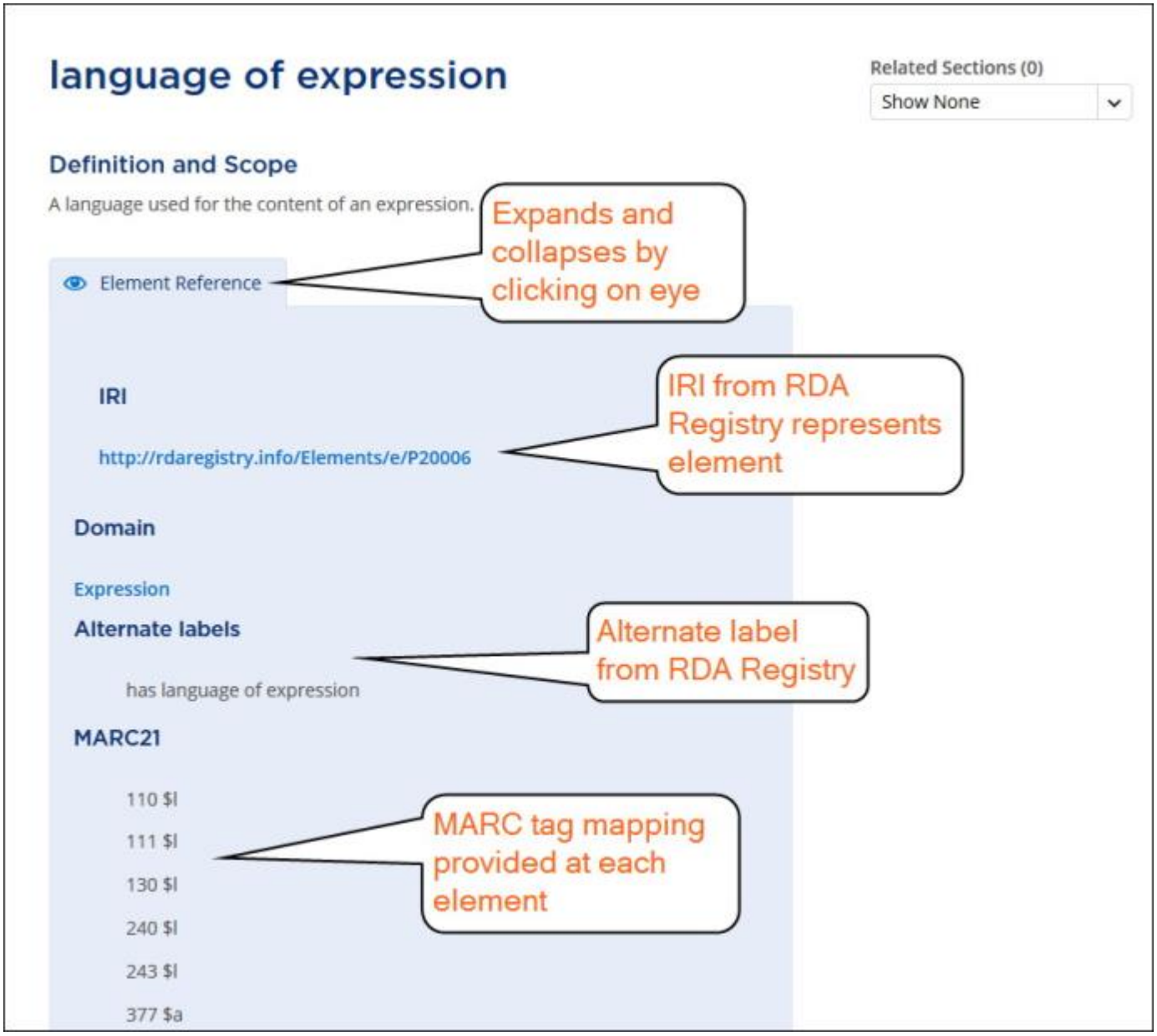


New Toolkit: Related Elements

- Scroll down element instructions to Related elements section



New TK: Element Reference



New Toolkit: Glossary

Glossary

A
B
C
D
E
F
G
H
I

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.

bar by bar
This term applies to tactile music resources.
A layout consisting of music displayed in indented paragraphs with all of the parts for each measure written consecutively.

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.
This term applies to tactile music resources.

base material
An underlying physical material of a manifestation.

New RDA Content

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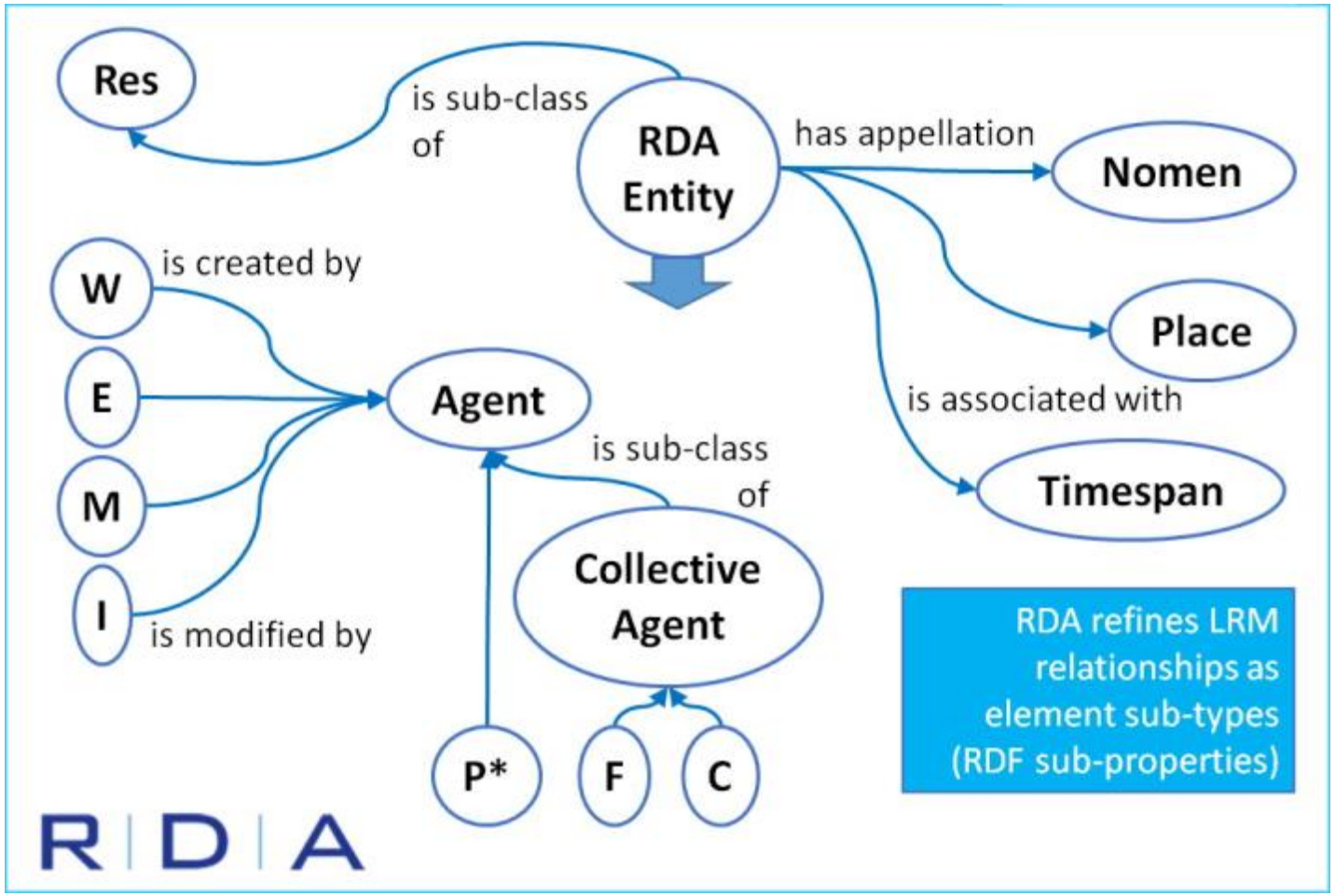
Exposition

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

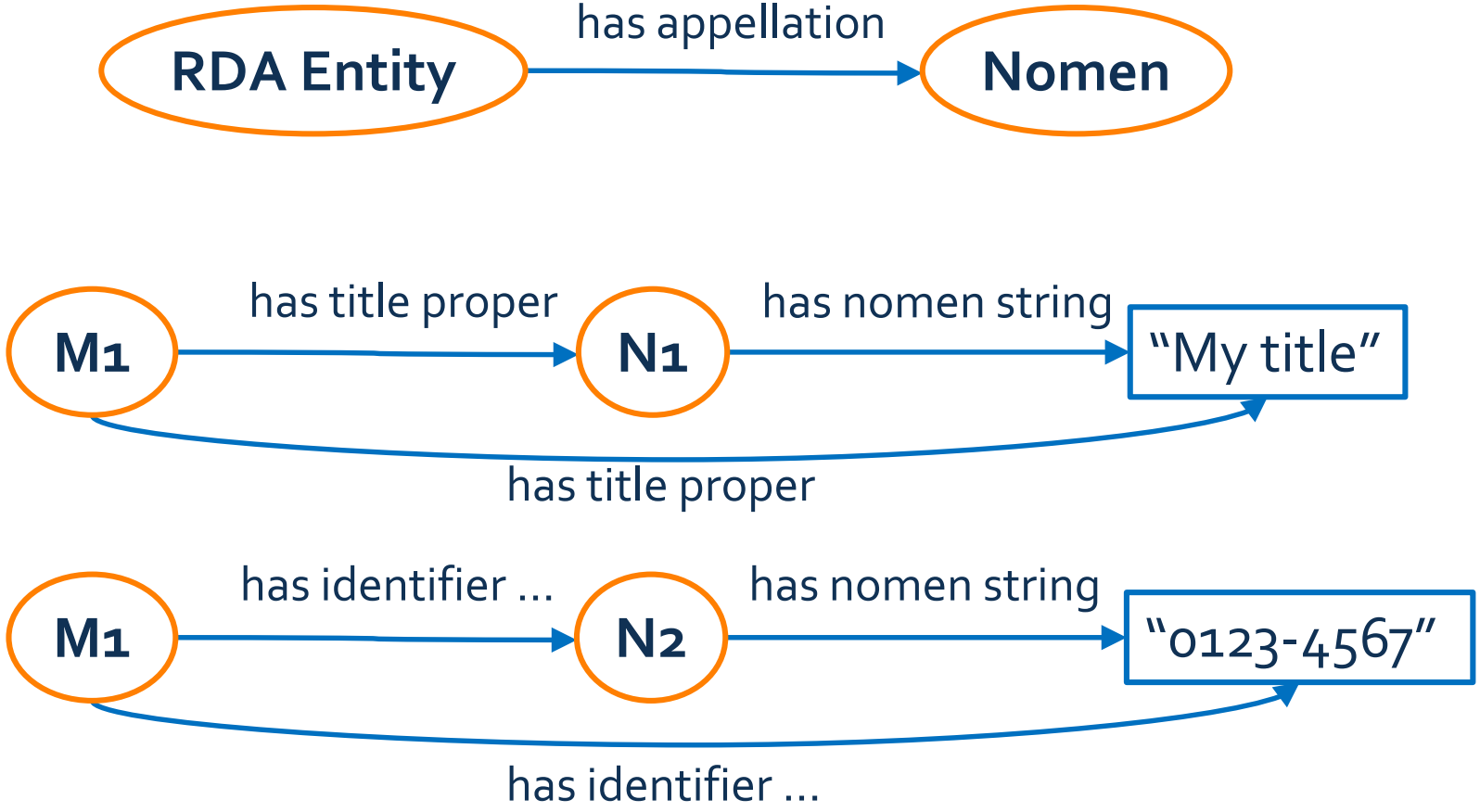
Timespan

- 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
  - 17th 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* F1
- **Relationship**: F1 *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

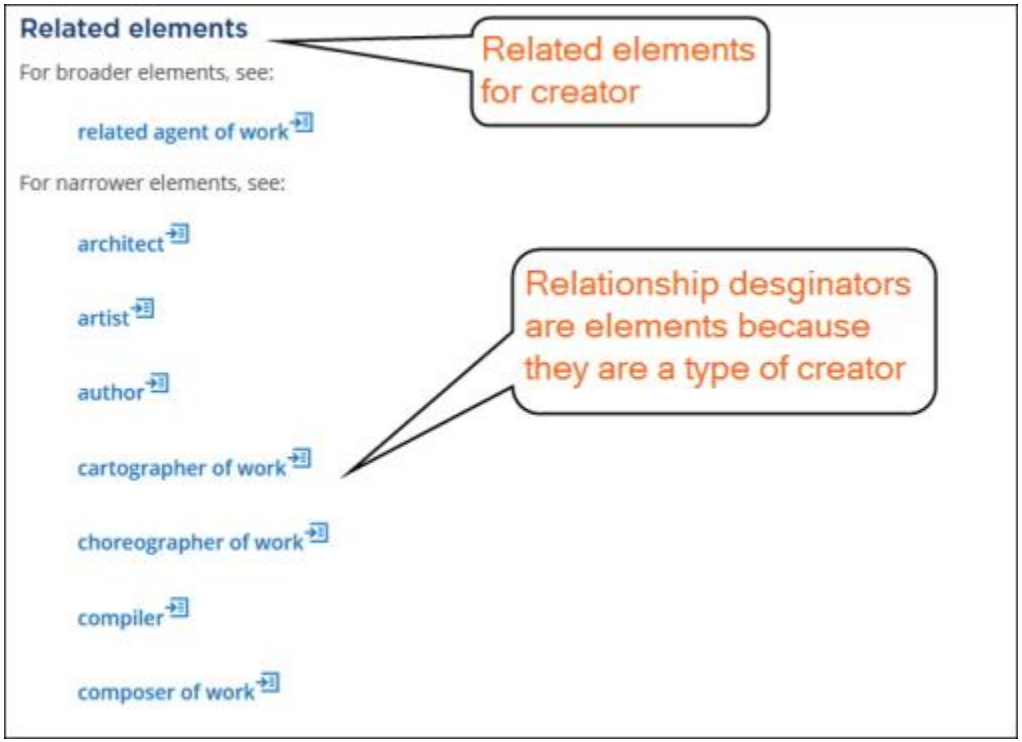
- Creator (Chapter 19)
  - relationship designators (I.2.1)
  - instructions for relationship designators in Chapter 18
- Instructions for use in Chapters 18, 24, and 29
- Part of the relationship element

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 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."
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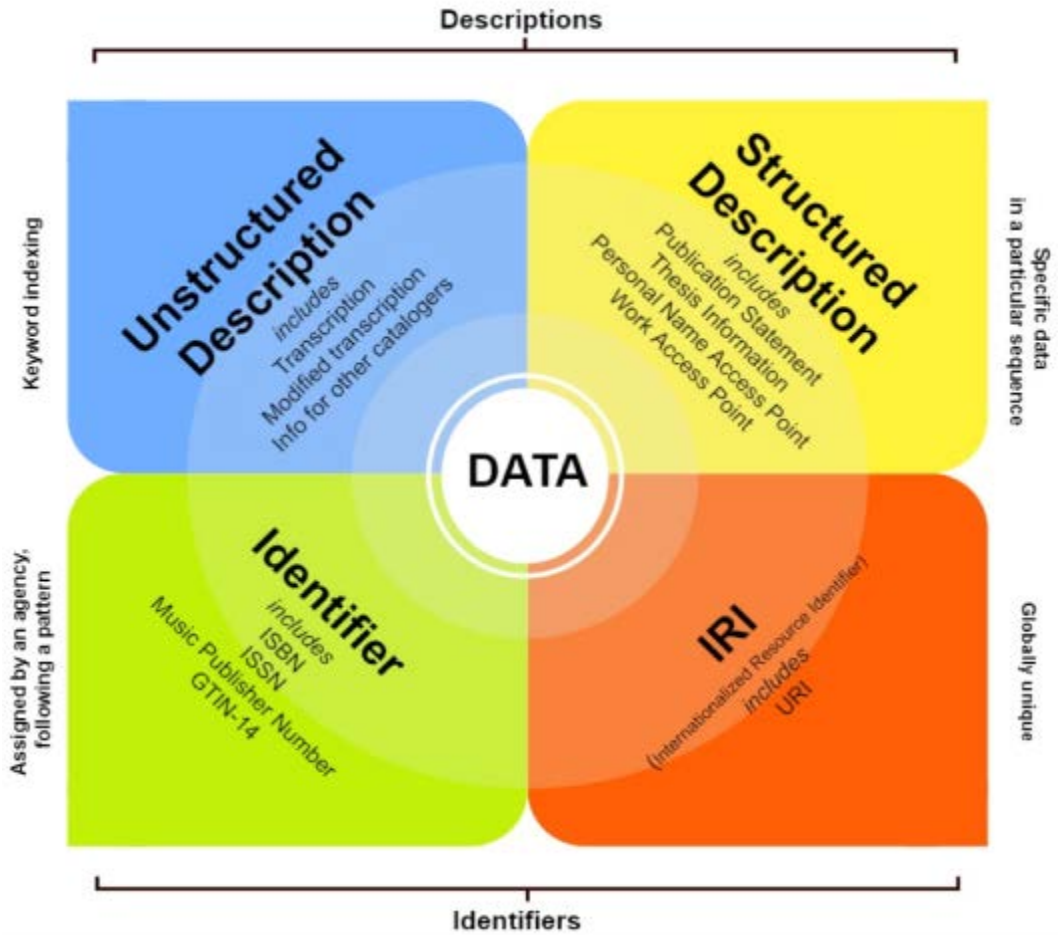
Recording Methods

- 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



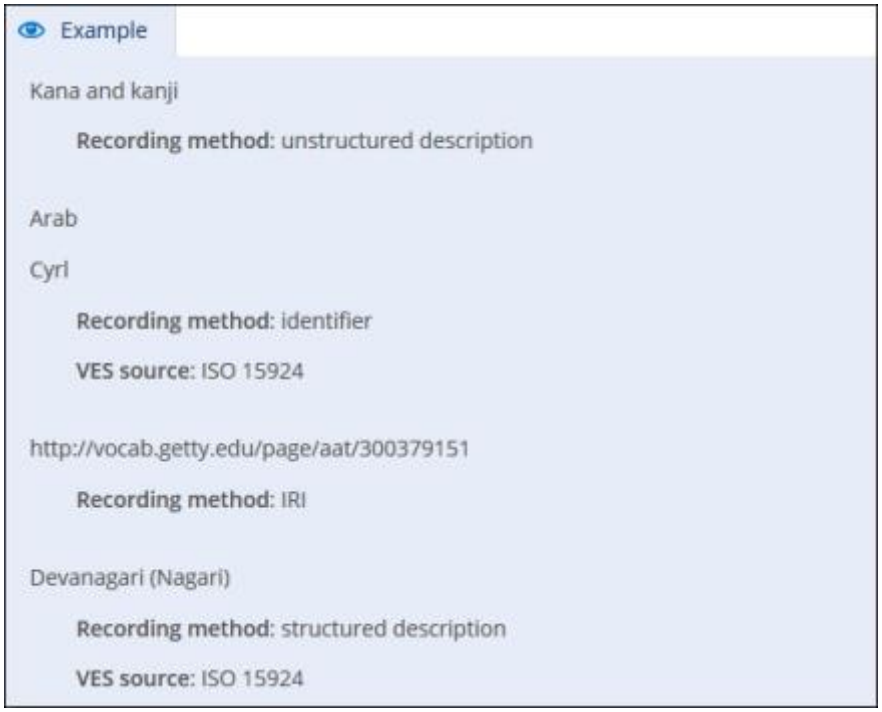
Recording Methods Example

- 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

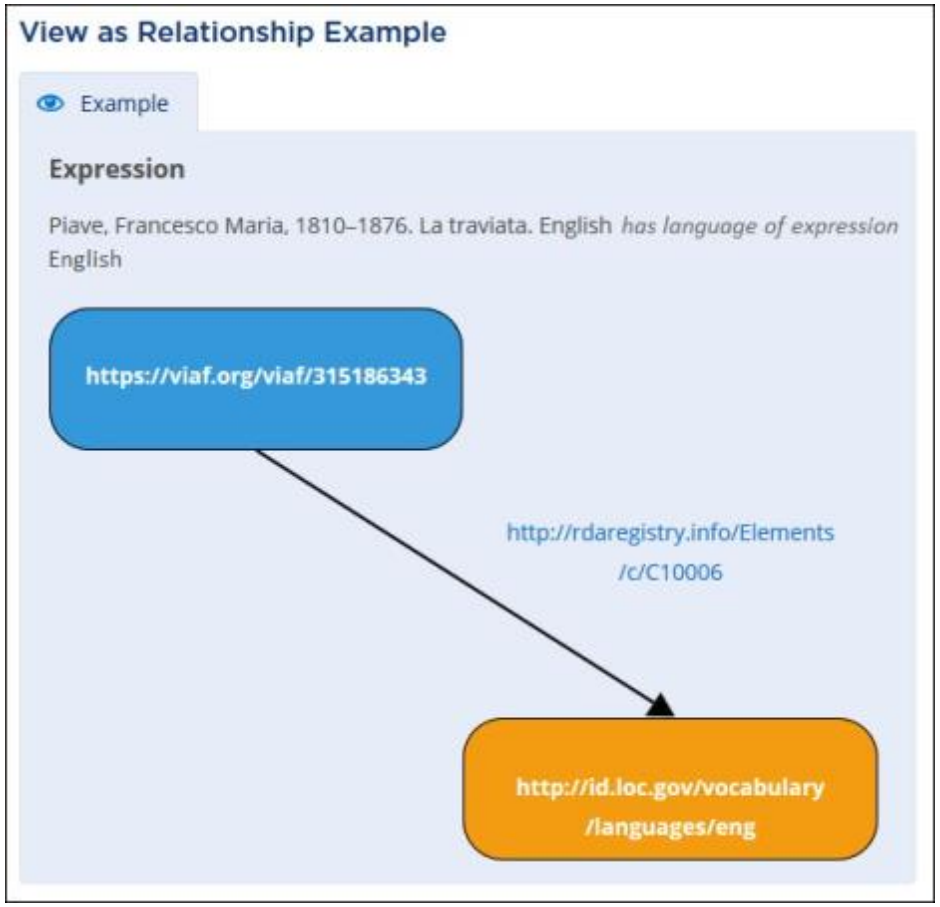
- 4 different types of examples
  - Basic Set
    - Resembles current examples
  - Recording Methods
    - Shows the same data recorded in different ways
  - View as Relationship
    - diagram
  - View in Context
    - A set of data elements for an entity

New TK: Basic Set Examples



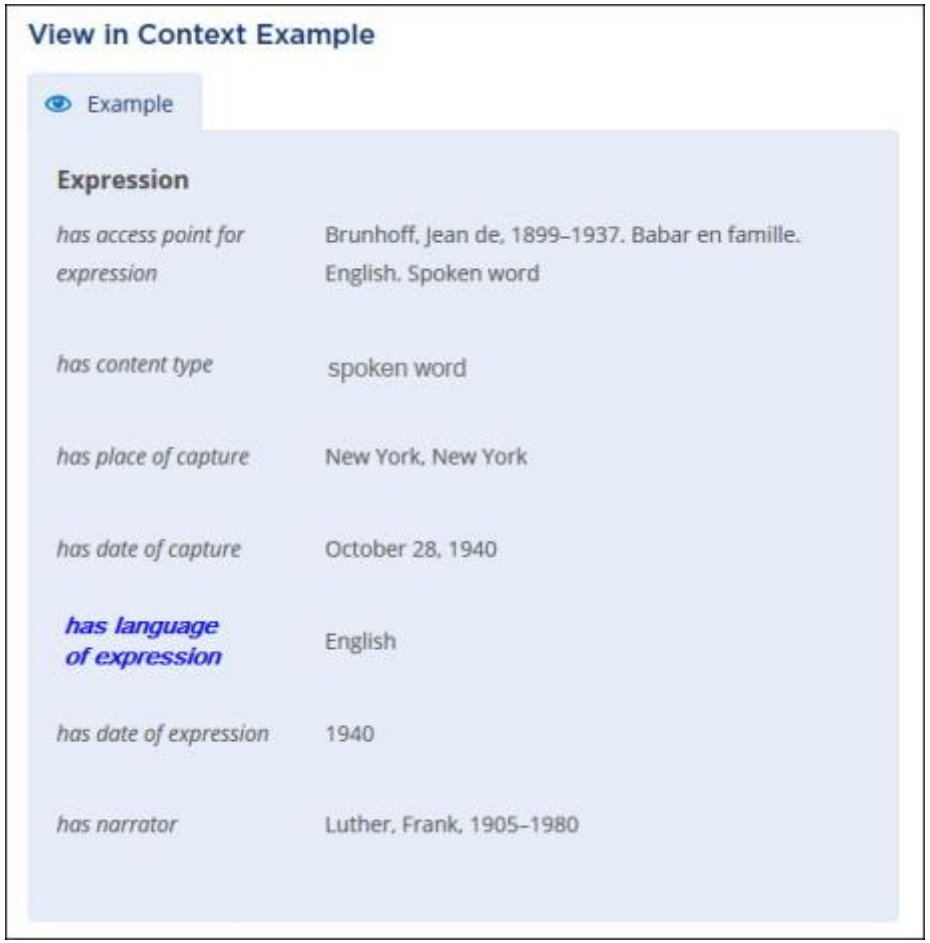
- Will show a variety of recording methods if applicable
- Will appear in relevant portion of instructions
- These are examples for the element "script"

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



- 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
- Presentations on RSC website: http://www.rda-rsc.org/rscpresentations