Instantiating LRM in RDA

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3R Project: RDA Toolkit Restructure & Redesign

• New version of the RDA Toolkit coming: June 2018

• Goals include:
  ◦ Implement new LRM entities
  ◦ Improve the interface and address long-standing problems
  ◦ Generalize the instructions where possible
  ◦ Offer more flexibility in choosing how to record a piece of information

• Will provide equal treatment of each entity
  ◦ No longer an explicit preference for WEMI
New LRM Entities and Attributes in RDA
New LRM Entities Coming to RDA

- **Agent**
  - One or more real human beings: able to create, publish, own, etc.
  - Superclass of *Collective agent* and *Person*

- **Collective agent**
  - Must have a name and be capable of acting like a unit

- **Nomen**
  - A label or name for an entity (which is associated with entity itself)

- **Place**
- **Timespan**

- Implementing *RDA entity* instead of *Res*
  - A subclass of *Res*, and a superclass of all other RDA entities
Nomen

- A combination of signs or symbols that refers to an entity

- Identical strings can refer to different entities
  - John Adams [U.S. President]
  - John Adams [Confederate brigadier general]
  - John Adams [composer]

- One Person can have multiple Nomen
  - Some for different personas, and some just variants

- May consist of components or parts, governed by instructions
  - Personal name AAPs with dates, Name/title AAPs for works, etc.

- Names in direct order, access points, and identifiers are all types of Nomen
  - But for linked data, the IRI is not a Nomen – it’s the value of the Nomen
Category and Note attributes

- Established for *Res* in LRM (and will be for *RDA entity* in RDA)
  - Both can be sub-typed to apply to any entity
    - **Category**
      - Enables LRM implementations to create useful subclasses for any entities
      - Some entity-specific sub-types of the general *category* attribute are declared in LRM
      - Will be declared in RDA as appropriate
    - **Note**
      - Associates information relating to an entity with that entity
      - Widely available in RDA already
**Manifestation statement**

- A statement transcribed from the *Manifestation*, deemed to be significant for users to understand how the resource represents itself
  - A more literal transcription than what we’re currently doing in RDA – includes capitalization, punctuation, and spacing
  - Fulfills the “identify” user task
  - Thirteen sub-types
  - Supports machine transcription derived from digitized and born-digital manifestations
Representative expression

• Certain characteristics inherent in a Work that best represent the intention of the creator(s)
  ◦ Language
  ◦ Medium of performance
  ◦ Key
  ◦ Intended audience

• Instance(s) of each can be identified as a Work attribute
  ◦ Tolstoy’s War and peace: Language = Russian, French
  ◦ Haydn’s Gypsy Trio:
    ▪ Medium of performance = piano, violin, cello
    ▪ Key = G major
Changes from FRBR to LRM
Separation of real vs. fictional entities

• *Person* = real person who lives or is assumed to have lived
  ◦ Change from FRAD, and from what’s currently in RDA

• *Place* = extent of space that is contemporary or historical, on Earth or extra-terrestrial

• *Time-span* = period of time with a duration, which can be short and precise, or lengthy and vague

• Fictional persons, places, and time-spans are valid concepts, but they aren’t occurrences of these entities
  ◦ In LRM, these concepts are instances of *Res*
  ◦ In RDA, they will be recorded only as *Nomens* or *Manifestation statements*
    (Detailed treatment of subjects is out of scope for RDA)
Relationships preferred over attributes

• Replaced attributes for Place and Time-span with relationships
  ◦ Date of conference [Time-span to Collective agent]
  ◦ Coordinates (Cartographic work) [Place to Work]
  ◦ Address [Place to Person]

• Appellation relationship links a subclass of the Nomen entity to any other entity
  ◦ Manifestation identifier
  ◦ Title of the expression
  ◦ Name of person
Person to Nomen

- [has] related nomen (person)
- [has] appellation of person
- [has] name of person
- [has] access point for person
- [has] identifier for person
- [has] preferred name of person
- [has] variant name of person

Recording methods:
1: Unstructured
2: Structured
3: Identifier
Aggregating Work vs. Whole/Part Work

• A plan for bringing together distinct *Expressions* into one or more *Manifestations* – *not* the contents
  ◦ Relationships hold true only for a single aggregating work
  ◦ The creator is the *Agent* who devised the plan
  ◦ For a completed work, generally ignore the plan – just catalog the results
  ◦ For a yet-to-be-complete work, aspects of the plan inform the description
    ◦ Frequency, language, carrier type, etc.

• Relationship between at least two *Works*, where the part is integral to the whole
  ◦ Holds true for all *Expressions* and *Manifestations* of those works (whole and/or part)
  ◦ The creator is the *Agent* who generated the content
  ◦ Examples
    ◦ Movements of concertos
    ◦ Poems within poetry cycles
    ◦ Multipart novels
New model forserials

• Serial work = sequentially issued sequence of aggregate manifestations
  ◦ The plan for the aggregating work, not the results
  ◦ Combination of both aggregate and whole/part works
    ▪ Each issue is an aggregate of articles
    ▪ Each issue has a whole/part relationship to the serial work

• Regard any serial as a distinct instance of the Work entity (WEM lock)
  ◦ Each serial work has only one expression and one manifestation, including:
    ▪ Regional “editions”
    ▪ Translations
    ▪ Different formats (e.g., print vs. electronic)
Some attributes moved in model

- Key (from Work to Expression)
- Medium of performance (from Work to Expression)
- Intended audience (from Work to Expression)
- Will lead to increased usage of the new Representative expression attribute
RDA changes beyond LRM
RDA Expanding on LRM

• Will refine some entities
  ◦ Keeping *Corporate body* and *Family* while also introducing *Collective Agent*

• Will define and add additional attributes as needed
  ◦ Following LRM practices: an attribute defined for a superclass is automatically applied to the subclass

• Implementing different recording methods (AKA “the four-fold path”)
  ◦ Up to four different ways to record a piece of data
    ▪ Unstructured description
    ▪ Structured description
    ▪ Identifier
    ▪ IRI/URI
Recording methods

- Entity chapters will present up to four different recording methods for capturing data

- Can use more than one
  - Unstructured description [Statement of Responsibility on Manifestation]
    IFLA-ini Studija skupina za uvjetne za funkcionalnost bibliografskih zapisa
  - Structured description [LC/NACO Name Authority File]
    IFLA Study Group on the Functional Requirements for Bibliographic Records
  - Identifier [VIAF]
    148620313
  - IRI [id.loc.gov]
    http://id.loc.gov/rwo/agents/nr98013265
Associating User Tasks with RDA Entities

- Based on the instructions, not on the recording methods

**--SAMPLE--**

### Media Type

**Definition**
media type: A categorization reflecting the general type of intermediaion device required to view, play, run, etc., the content of a manifestation.

**Recording**
Record a media type if considered important to identify and select.

**Recording an unstructured description**
Record a normalized or other transcription, or an uncontrolled term or terms if none of the terms in a vocabulary encoding scheme is appropriate or sufficiently specific.

**Recording a structured description**
Record a term from the following RDA vocabulary encoding scheme:
- audio
- computer [etc.]

**Recording an identifier**
Record an identifier or notation from an appropriate vocabulary encoding scheme. Specify the source by recording Provenance.

**Recording an IRI**
For general guidance on recording an IRI, see the general chapter 4-fold path: IRI.
Diachronic Works

• Planned to be embodied over time
  ◦ Includes works with and without a planned end

• \textit{Work} content changes over time
  ◦ Revision / replacement – Single expression
    ▪ May be done at regular intervals
  ◦ Additions / accumulations – Successive expressions
    ▪ Previous content retained
  ◦ New categories to be created in RDA
    ▪ Integrating monographic work
    ▪ Sequential monographic work
    ▪ Integrating continuing work
    ▪ Serial work (sequential continuing work)
More information – At this conference

- **RDA Forum**
  - Saturday, starting at 10:30 am – Colorado Convention Center, Rm 601/603

- **CC:DA meetings**
  - Saturday, starting at 1:00 pm – Sheraton Denver Downtown, Plaza Ballroom F
  - Monday, starting at 8:30 am – same location

- **PCC At Large / PCC Participants meeting**
  - Sunday, starting at 3:00 pm – Colorado Convention Center Room 601/603

- **RDA Linked Data Forum**
  - Monday, starting at 1:00 pm – Colorado Convention Center, Room 303
More information – Online

• RDA Toolkit/3R Project website
  ◦ http://www.rdatoolkit.org/3Rproject

• RDA Steering Committee – Presentations
  ◦ http://www.rda-rsc.org/rscpresentations
    Includes recent presentations by various RSC members

• IFLA Library Reference Model

• Ask me:
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Questions?