Customizing RDA for local applications

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Overview

Application profiles
Local vocabulary encoding schemes
Local string encoding schemes
A specification of the metadata that is used in an application

A specification may include the entities, elements, and vocabulary encoding schemes that are used, and the mandatory and repeatable status of elements

May also include the preferred recording method
Format

Structured: tabular layout is common  
Row = specified element  
Column = profile characteristic of element

<table>
<thead>
<tr>
<th>Element</th>
<th>Mandatory?</th>
<th>Repeatable?</th>
<th>VES</th>
<th>SES</th>
<th>Recording</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of person</td>
<td>Yes</td>
<td>Yes</td>
<td>n/a</td>
<td>n/a</td>
<td>Unstructured</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(normalized)</td>
</tr>
<tr>
<td>Date of birth</td>
<td>Yes</td>
<td>No</td>
<td>n/a</td>
<td>ISO 8601</td>
<td>Structured</td>
</tr>
<tr>
<td>Related RDA entity of person</td>
<td>Yes</td>
<td>Yes</td>
<td>See RDA Entity</td>
<td>See RDA entity</td>
<td>IRI</td>
</tr>
</tbody>
</table>
# RIMFF4 template

## RDA Person

<table>
<thead>
<tr>
<th>ELEMENT LABEL</th>
<th>TEXT</th>
<th>RECORDING METHODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIMMF identifier</td>
<td>person mandatory</td>
<td>Unstructured (normalized)</td>
</tr>
<tr>
<td>Name of person</td>
<td>Repeateable</td>
<td></td>
</tr>
<tr>
<td>Date of birth</td>
<td>Not repeatable</td>
<td>Structured (ISO 8601)</td>
</tr>
<tr>
<td>Related rda entity of person</td>
<td></td>
<td>IRI</td>
</tr>
</tbody>
</table>

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**WEMI Links**

- R-Tree
Layered (nested profile)

Coherent description of an information resource

Minimum description of a resource entity
A coherent description of an information resource
A minimum description of a resource entity
A minimum description of a resource entity following resource entity

Effective description

Effective description: general and specialized elements

Minimum description: appellation elements

Coherent description: “primary” relationship elements
Profile inheritance

Effective description: specialized elements

Effective description: general (common) elements

Minimum description: appellation elements

Coherent description: “primary” relationship elements

This is not the only profile “genealogy”
Profile management

Select a template for the Manifestation...

- 01.manifestation template_Minimum elements.nt
- 02.manifestation template_Common elements.nt
- 03.manifestation template_In series elements.nt
- 04.manifestation template_Series elements.nt
- 05.manifestation template_Aggregate elements.nt
- 06.manifestation template_Diachronic elements.nt
- 07.manifestation template_Audio elements.nt
- 08.manifestation template_Computer elements.nt
- 09.manifestation template_Projected elements.nt
- 10.manifestation template_Unmediated elements.nt
- 11.manifestation template_Video elements.nt
- manifestation template_Appellation elements.nt
- manifestation template_Basic elements.nt
- manifestation template_Manifestation statement elements.nt
- RDA manifestation template 01.nt

Select an item from the list and press OK
Vocabulary encoding scheme

VES: Provides controlled values for an element

Preferred label (structured description)

Notation (identifier)

IRI
Local VES

Must be compatible with the semantics of the RDA element
Scope/coverage

Should be mappable to the RDA VES (if there is one)
Local term/concept is broader, narrower, or equivalent to RDA concept
String encoding scheme

SES: Specifies how a string value of an element is constructed

Values of other elements (variable)
Boilerplate (fixed)
Order (fixed)
Punctuation/delimiters (fixed)
String construction

Example: Authorized access point for place

“Main Street (Washington, D.C.)”

<table>
<thead>
<tr>
<th>preferred name of place</th>
<th>“Main Street”</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ punctuation</td>
<td>“(“</td>
</tr>
<tr>
<td>+ authorized access point for place</td>
<td>“Washington, D.C.”</td>
</tr>
<tr>
<td>+ punctuation</td>
<td>“)”</td>
</tr>
</tbody>
</table>
String encoding instructions

**OPTION**

Record a value that includes, in this order:

1. a value that is based on Place: *preferred name of place*  
2. a value of Place: *authorized access point for place* for the larger place or jurisdiction

**OPTION**

Apply the string punctuation pattern: "value 1 (value 2, value 3, ...)".

Join each of the second and subsequent values with a comma followed by a space, and enclose the string in parentheses.
String de-construction

Each element is uniquely indicated
Can be ‘parsed out’ of the string to obtain original value of the element

Element indication may be:
  Punctuation (e.g. comma before date of publication)
  Not enough punctuation symbols?
  Name/value pairs (e.g. date of publication: 2019)
  User friendly? Browseable?
Local SES

May contain non-RDA elements
Output is just a string

May re-use a punctuation pattern
Or use a local pattern

May have a de-constructor
Round trip, or one way
Managing customization

Organization of development and maintenance

Documentation

Synchronization with changes in RDA

Now what?