Customizing RDA for local applications

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R | D | A

Resource Description & Access

Overview

Application profiles
Local vocabulary encoding schemes
Local string encoding schemes

Application profile

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

Element	Mandatory?	Repeatable?	VES	SES	Recording
Name of person	Yes	Yes	n/a	n/a	Unstructured (normalized)
Date of birth	Yes	No	n/a	ISO 8601	Structured
Related RDA entity of person	Yes	Yes	See RDA Entity	See RDA entity	IRI

RIMFF4 template

P -- person mandatory.nt -- *

File Edit View Options Windows Help

[tba]

RDA Person

Element Label	Text	Recording Methods
RIMMF identifier	person mandatory	
Name of person	Repeatable	Unstructured (normalized)
Date of birth	Not repeatable	Structured (ISO 8601)
Related rda entity of person		IRI

WEMI Links

R-Tree

Layered (nested profile

Coherent description of an information resource

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Minimum description of a resource entity

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resource

Effective description

Effective description:
general and specialized elements

Minimum description: appellation elements

Coherent description: “primary” relationship elements

rce entity

resource entity .

Profile inheritance

This is not the only profile "genealogy"

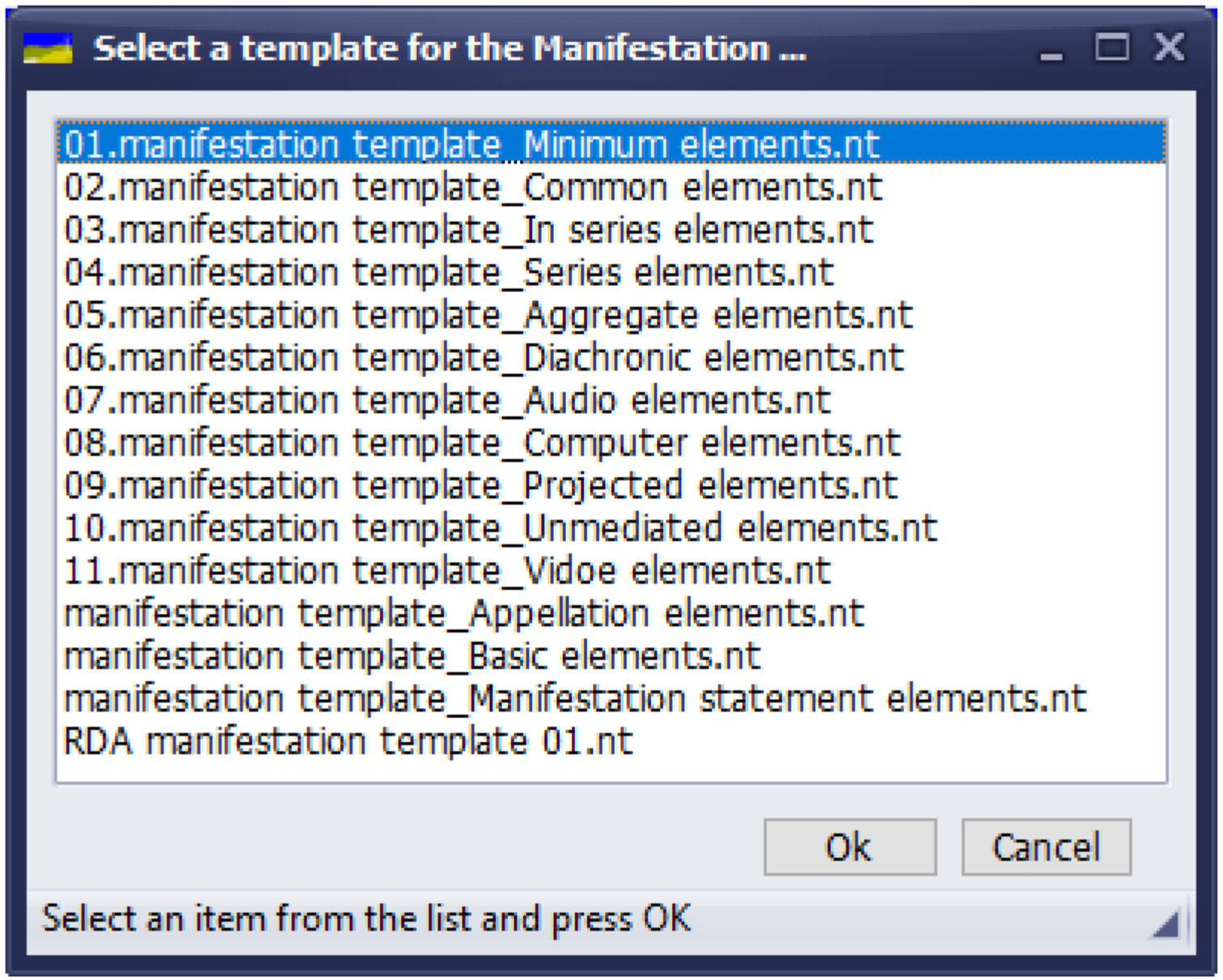
Effective description: specialized elements

Effective description: general (common) elements

Minimum description: appellation elements

Coherent description: "primary" relationship elements

Profile management



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.)"

preferred name of place	"Main Street"
+ punctuation	"("
+ authorized access point for place	"Washington, D.C."
+ punctuation	")"

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.

RDA
Resource Description & Access

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?