From Big Bang to beta
An overview of the 3R Project

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Impact of LRM

IFLA Library Reference Model (2017)

Agent, Collective Agent, Nomen, Place, Timespan entities

Shift from attribute to relationship elements

Aggregate manifestations & serial works

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Impact of internationalization

Different cataloguing practices

Different authority files and vocabularies

No "one way" of describing an entity

Many ways, many choices

New elements for access points

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Impact of other communities

Special library materials
    New elements and vocabularies

Archive and museum communities
    Collections, curation, provenance

Linked data communities
    IRI recording method, vocabulary notation

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The Big Bang

One-time creation of all element files

Automated generation using RDA Registry data and template for standard sections

Specification refined over several test runs

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The Wee Bang

One-time overlay of standard instructions for relationship elements (ex-designators)

Template uses boiler-plate guidance and instructions

Refined with "re-runs of the wee bang"

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The numbers

13 entities   **1700+ elements**

Work	388	Agent	175
Expression	291	Person	85
Manifestation	282	Collective Agent	34
Item	70	Corporate Body	84
Place	45	Family	46
Timespan	54	Nomen	169
RDA Entity	27		

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Focus on elements

Each element has own "page"

Elements grouped by entity "chapter"

Element reference section

Element recording methods

Navigation to "nearest neighbour" elements

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Navigation

Search

    Exact match, keywords

Entity page elements list

    Alphabetical browse; active filter

Relationship matrix

    Hierarchical browse; excludes attributes

Glossary

    Alphabetical browse

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Optional instructions

Many instructions now clearly indicated as options

Nothing is (or was) mandatory
>   Except "nomen string"

Choice of recording method
>   Depends on data application

"Core" less useful at global level

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Application profiles

What elements must be recorded?

What elements should be recorded?

What elements may be repeated?

What vocabularies are used?

What recording methods are used?

Multiple ways: bookmarks, policy statements, workflows, external documents

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Data provenance

Who made the metadata statement?

When was it stated?

Where did the values come from?

What standards were applied?

The trick: treat each statement or set as a work
  Then apply RDA

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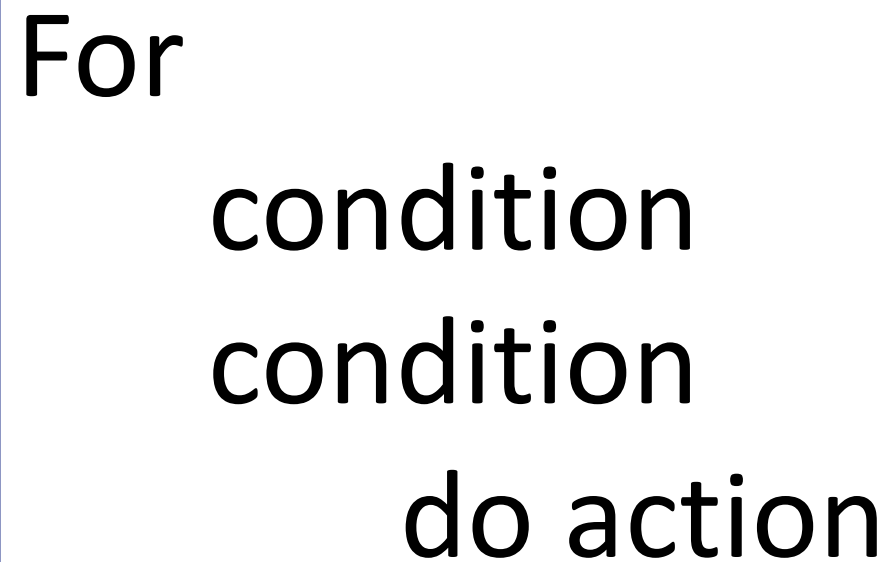
Instruction display

No options nested within options
Exceptions and alternatives are just other options

Structured display

Decision points →

For
    condition
    condition
      do action

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Shredding

= Reformatting current instructions

New element structure

Explicit recording methods

Flatten nested options, exceptions, alternatives

Layout of "for … do" and "if … then" conditions

Separation of transcription, recording, and access point construction

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Elements with new labels

Element label changed for consistency
Old label retained as alternative label = "see" reference in Glossary

Example: "publisher's name" see "name of publisher"

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Soft deprecation

Element is same as a recording method of another element
   Element retained, but other element and method is a preferred option

Example: "Details of …" prefer root element with unstructured description

Non-preferred elements will be reviewed down the line

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What's left to do?

Editing for clarity and consistency (more shredding)

Distinguishing instructions for name/title and access point elements

New instructions for aggregates and serials

Tweaks, refinements, feedback
We want to hear from you

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The product

A package of data elements, guidelines, and instructions for creating library and cultural heritage resource metadata that are well-formed according to international models for user-focussed linked data applications.

A package that meets the resource description and access needs of the 21st century

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