

5JSC/RDA/Element analysis/Rev
16 December 2007

To: Joint Steering Committee for Development of RDA
From: Deirdre Kiorgaard, Chair, JSC
Subject: RDA Element analysis

Related document: 5JSC/RDA/Scope/Rev/2

The RDA Element Analysis (including both the table and the accompanying notes) provides a detailed analysis of the relationship between RDA and the two metadata models that are referenced in the RDA Scope and Structure document (i.e., The <indec> Metadata Framework, and the DCMI Abstract Model).

It is designed to provide detail on the general statements that are made in section 1.5 of the Scope and structure document (on the relationship of RDA elements to the generic attribute types defined in The <indec> Metadata Framework), and in sections 1.6 and 1.7 (on the relationship of RDA elements to various constructs defined in the DCMI Abstract Model).

RDA Element Analysis

The attached table provides an analysis of each element, element sub-type, and sub-element specified in *RDA vis à vis* the generic attribute types defined in *The <indec> metadata framework*¹ and the components and constructs specified in the *DCMI abstract model*².

1. Layout of the table

The table layout is as follows:

- Column A lists the RDA “elements” (i.e., elements, element sub-types, and sub-elements) in the order in which they appear in the most recent drafts of *RDA*.³
- Column B identifies the classification of the “element” (i.e., as an element, an element sub-type, or a sub-element).
- Column C identifies the generic attribute type reflected by the element as defined in *The <indec> metadata framework* (i.e., label, quantity, quality, type, or role).
- Column D identifies the domain (or class of resource) to which the element applies (i.e., work, expression, manifestation, or item, person, family, corporate body, concept, object, event, or place).⁴
- Column E identifies the category of value surrogate used to record the element (i.e., literal or non-literal).
- Column F identifies the category of value string used to record the element (i.e., plain or typed).
- Column G identifies the syntax encoding scheme specified for an element that is recorded using a typed value string. (Syntax encoding schemes identified as “RDA ...” refer to the syntax specifications given in the RDA instructions on recording the element.)

¹ Godfrey Rust and Mark Bide, *The <indec> metadata framework: principles, model and data dictionary* (June 2000)

² Andy Powell, Mikael Nilsson, Ambjörn Naeve, Pete Johnston, and Thomas Baker, *DCMI abstract model* (2007-04-02) <<http://dublincore.org/documents/2007/04/02/abstract-model/>>

³ The listing includes elements agreed by JSC that have been added to revised working drafts but have not yet appeared in drafts issued for constituency review. Elements listed under sections that will not be developed until after the initial release of RDA in 2009 are shaded.

⁴ The classes of resources that serve as domains for the elements defined in *RDA* correspond to entities defined in *FRBR* and *FRAD*.

- Column H identifies the vocabulary encoding scheme specified for an element that is recorded using a non-literal value surrogate. (Vocabulary encoding schemes identified as "RDA ..." refer to the controlled lists of terms given in the RDA instructions on recording the element.)

2. RDA encoding conventions

The RDA encoding conventions described below are designed to ensure that the encoding of RDA data meets the requirements of well-formed metadata. Specifically, the aim is to ensure that:

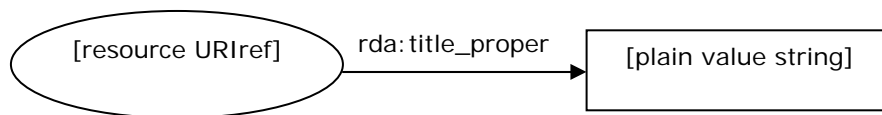
- a) the encoding conventions conform to established models for metadata schema; and
- b) values are encoded according to the rules of a defined namespace, or, where applicable, a controlled vocabulary.

The conventions used to encode RDA elements in a syntax that is compliant with both RDF specifications and the DCMI Abstract Model are described below according to the generic attribute type reflected by the element (i.e., *label*, *quantity*, *quality*, *type*, or *role*). The conventions are described both in textual form and in the form of graphs. In the graphs, a resource (e.g., an instance of manifestation) is represented by an oval containing a resource URI reference; a labeled arrow represents an element (i.e., property) used to describe that resource (e.g., a title proper); and a rectangle represents a value string used to represent or encode a value. A value URI is represented by an oval containing a value URI reference; a vocabulary encoding scheme is represented by an oval containing a vocabulary encoding scheme URI reference.

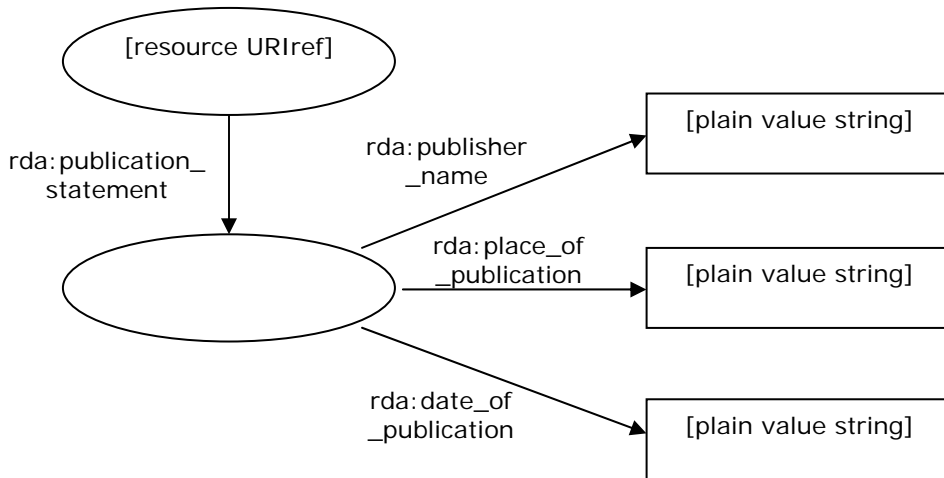
2.1 Labels

A *label* is a string whose function is to distinguish one entity from another (e.g., identifiers, names, titles).

A *label* that consists of a simple string (e.g., a title, a statement of responsibility, etc.) is encoded as a *literal* value surrogate using either a *plain* or *typed* value string.



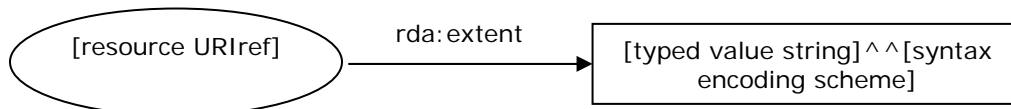
A *label* that consists of a composite string (e.g., a publication statement, a series statement, etc.) is encoded using a blank node to represent the aggregate label (i.e., the element), linked to *literal* value surrogates using either *plain* or *typed* value strings for each of the components of the label (i.e., each of the sub-elements).



2.2 Quantities

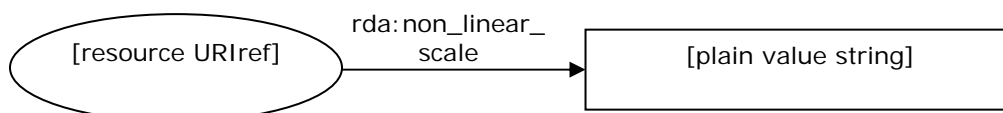
A *quantity* is a number measuring some aspect of an entity (e.g., extent, dimensions, duration).

A *quantity* is generally represented by a *non-literal* value surrogate using a *typed* value string with an associated *syntax encoding scheme*.

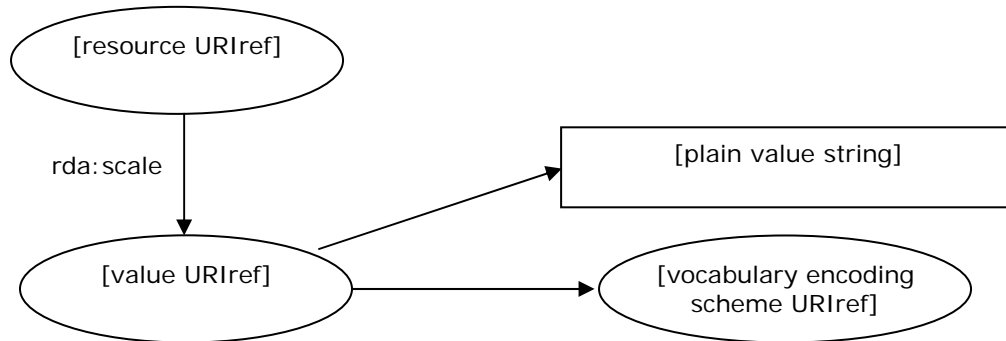


The *syntax encoding scheme* associated with a quantity is normally an RDA syntax encoding scheme (i.e., one that is specified within the RDA schema).

If there is no *syntax encoding scheme* specified for a quantity within RDA (e.g., non-linear scale for cartographic content), the *quantity* is represented by a *non-literal* value surrogate using a *plain* value string.



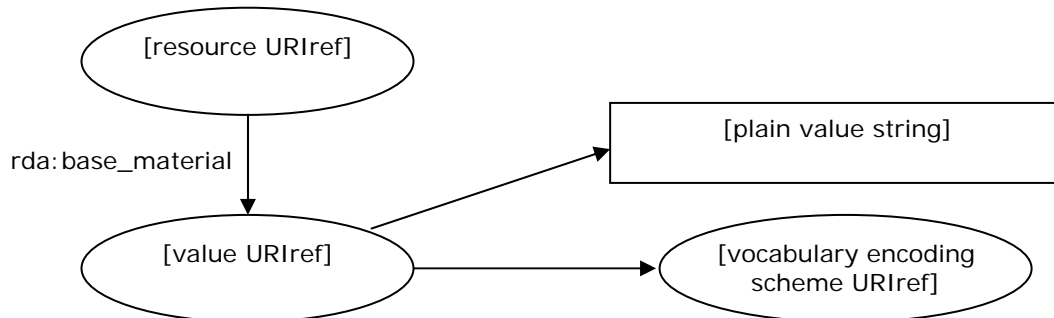
In certain cases (e.g., cartographic content not drawn to scale), a *quantity* may be represented by a *non-literal* value surrogate using a value URI reference that has an associated *plain* value string and *vocabulary encoding scheme*.



2.3 Qualities

A *quality* is a characteristic of the structure or nature of an entity (e.g., colour, language, gender).

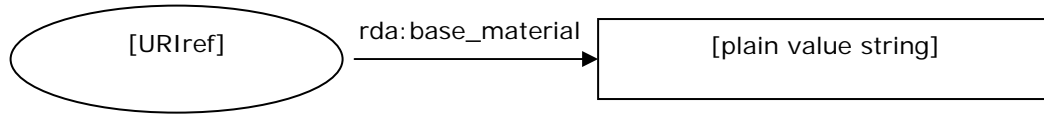
A *quality* is generally represented by a *non-literal* value surrogate using a value URI reference that has an associated *plain* value string and *vocabulary encoding scheme*.



The *vocabulary encoding scheme* associated with a quality is normally an RDA vocabulary encoding scheme (i.e., one that is specified within the RDA schema). However, RDA makes allowance for the use of terms from external vocabulary encoding schemes, provided the vocabulary encoding scheme that is used is identified.

In cases where the value is not covered by an RDA vocabulary encoding scheme, or is more specific than a value covered by the relevant RDA vocabulary encoding

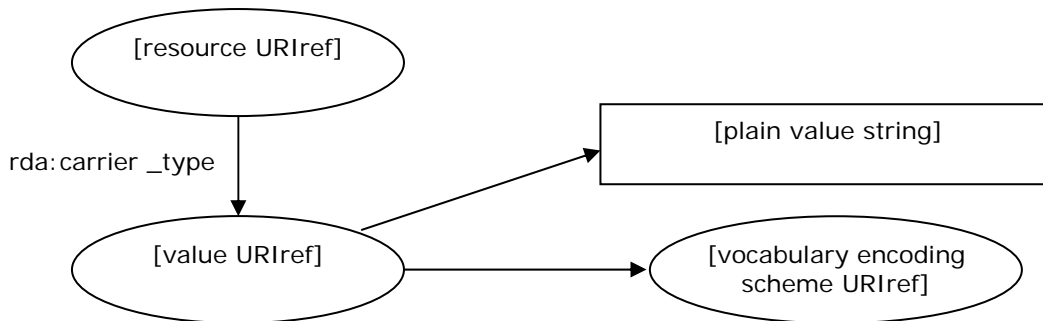
scheme, it may be represented simply by a *non-literal* value surrogate using a *plain* value string.



2.4 Types

A *type* is a categorization of one or more characteristics of an entity (e.g., media type, carrier type, content type).

A *type* is represented by a *non-literal* value surrogate using a value URI reference that has an associated *plain* value string and *vocabulary encoding scheme*.



The *vocabulary encoding scheme* associated with a type is normally an RDA vocabulary encoding scheme (i.e., one that is specified within the RDA schema).

The four elements currently defined as types in RDA (mode of issuance, media type, carrier type, and content type) are all based on the *RDA/ONIX framework for resource categorization*.

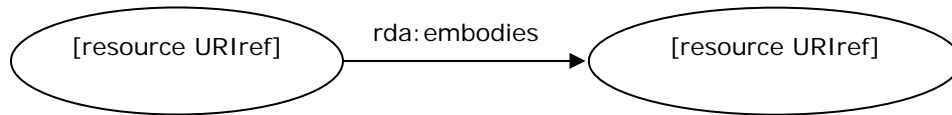
2.5 Roles

A *role* is a part played or function fulfilled by an entity in relation to another entity or entities (e.g., the function performed by a person, family, or corporate body in relation to the content of a resource).⁵

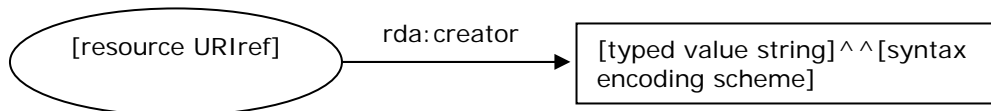
⁵ The term *role* is used here as defined in *Indecs*, and includes all associations categorized as "relationships" in *FRBR*, as distinguished from the narrower sense in which *role* is used in *RDA* (i.e., only to designate a relationship between a resource and a person, family, or corporate body associated with the resource).

A *role* may be represented in any one of following ways:

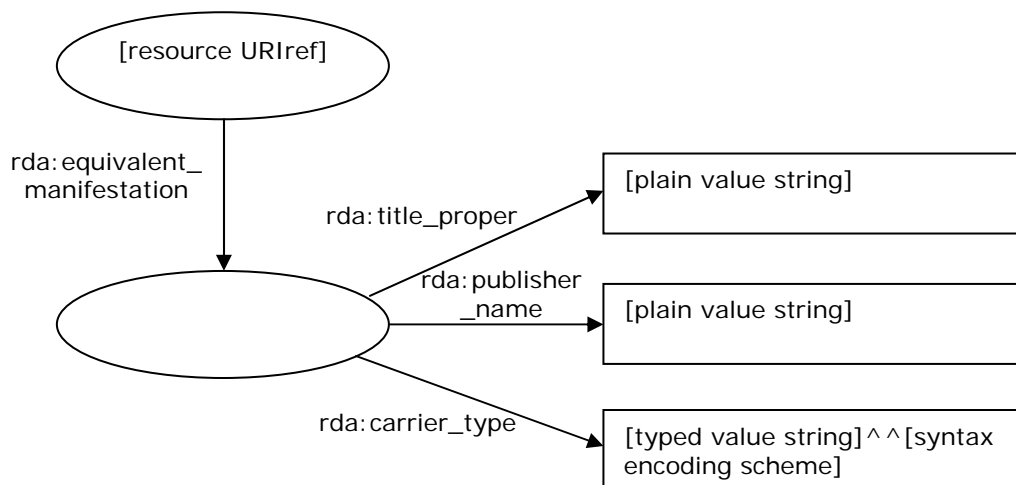
- a) by a *non-literal* value surrogate using a resource URI reference for the related resource



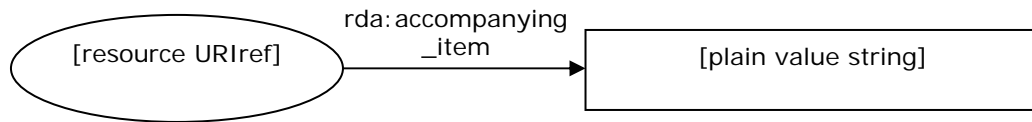
- b) by a *non-literal* value surrogate using a *typed* value string formulated according to an RDA *syntax encoding scheme* for a controlled access point



- c) by a *non-literal* value surrogate using a blank node to represent the related resource, linked to *plain* and/or *typed* value strings to provide a structured description of the related resource



- d) by a *non-literal* value surrogate using a *plain* value string to provide an unstructured description of the related resource



3. Outstanding issues

Assumptions

In reviewing the issues noted below, JSC should bear in mind the following assumptions relating to the encoding of RDA data:

- that the encoding conventions described above and listed in the accompanying table will apply only when RDA data is being exported or "exposed" in an encoding syntax that is compliant with RDF and the DCMI Abstract Model;
- that an agency creating RDA data may either encode and store it in that same encoding syntax, or encode and store it in another encoding syntax (such as MARC 21) and convert it to the RDF/DCMI-compliant syntax for purposes of exporting or exposing it in that syntax; and
- that when RDA data created and stored internally in another metadata format is exported or exposed in an RDF/DCMI-compliant syntax, there may be some loss of detail.

3.1 Domains

The majority of elements defined in RDA are associated with a single domain (as identified in column D). There are a number of elements, however, that may be associated with more than one of the four domains currently defined for the elements covered in Part A (i.e., work, expression, manifestation, and item). Such elements include the following: *resource identifier* and *preferred citation* (which may be associated with either a manifestation or an item); *extent* (which is normally associated with a manifestation but in certain cases may be associated with an expression); *dimensions* (which is normally associated with a manifestation but may in some cases may be associated with an item); *relationship designator* (which may be associated with a person, family, corporate body, work, expression, manifestation, item, concept, object, event, or place); *other person, family, or corporate body associated with the content of a resource* (which may be associated with a person, family, or corporate body); and various elements for related resources (which may be associated with a work, expression, manifestation, or item).

RDF specifications indicate that identifying more than one domain for an element is to be interpreted using a Boolean *AND* (i.e., that all instances of the element must be members of both domains). As a result, there is no domain identified in column D for elements that may be associated with more than one domain. Although it is not a requirement to specify a domain for every element, it would be possible to specify

one for some of those elements that may be associated with more than one of the entity types currently defined for RDA, if new entity types were defined to represent combinations of existing entity types. For example, a single entity type could be defined to represent the four FRBR group 1 entities (i.e., work, expression, manifestation, or item) collectively.

Further assessment is needed to determine whether the definition of such entity types is warranted.

3.2 Annotations

The elements formerly identified as *notes on ...* and treated as element sub-types under *title*, *statement of responsibility*, etc., have been transferred to a new element for *annotation*. In general, annotations are used to record information that falls outside the defined scope of the element that the annotation references, but is related to that element (e.g., "Title devised by cataloguer", "Title varies slightly").

Using the conventions described above, it is not possible to link an annotation directly to the instance of the element to which it relates if the related element is encoded simply as a *literal* value surrogate using a *plain* or *typed* value string.

If it is determined that a mechanism for providing a direct link between an annotation and the instance of the element to which it relates is required, it would be advisable to encode all instances of that element using that mechanism, whether or not a link to an annotation is required in a particular instance. For example, if it is determined that a mechanism for linking an *annotation on title* directly to the instance of the title element to which it relates may be required in some instances, then all instances of the title element should be encoded using a non-literal surrogate that would permit such a link rather than simply using a literal surrogate if a link to an annotation was not required in that instance.

Further assessment is needed to determine whether the conventions for encoding annotations and the elements that may have an associated annotation in some instances need to be adjusted to permit a direct link between an annotation and the instance of an element to which it relates.

3.3 Language, script, and transliteration scheme associated with a value surrogate

When applying the conventions described under 2.1 above, *labels* are represented as *literal* value surrogates using either *plain* or *typed* value strings (linked either directly to the node containing the resource URI reference or indirectly through a blank node). RDF provides a mechanism to identify the language of a *plain* value string (using an ISO language tag/subtag), but provides no mechanism to explicitly identify script of the string independently of language, or to identify the scheme used to transliterate a string from one script to another.

In order to identify the script and transliteration scheme associated with a value string, a different convention would have to be used, introducing an intermediary node to link the string with value URI references for script and transliteration scheme (as applicable). However, if that convention were used, it would be advisable to use it for all instances of any element to which it could apply, regardless of whether the

identification of script or transliteration scheme was actually required in any particular instance.

Further assessment is needed to determine whether the conventions for encoding elements for which the identification of script and transliteration might be required in certain instances need to be adjusted to permit the identification of those attributes of a string.

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<ind ecs> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
2	IDENTIFYING MANIFESTATIONS AND ITEMS							
3	Title	element	label	manifestation	-	-	-	-
4	Title proper	element sub-type	label	manifestation	literal	plain	n/a	n/a
5	Parallel title	element sub-type	label	manifestation	literal	plain	n/a	n/a
6	Alternative title	element sub-type	label	manifestation	literal	plain	n/a	n/a
7	Parallel alternative title	element sub-type	label	manifestation	literal	plain	n/a	n/a
8	Other title information	element sub-type	label	manifestation	literal	plain	n/a	n/a
9	Parallel other title information	element sub-type	label	manifestation	literal	plain	n/a	n/a
10	Variant title	element sub-type	label	manifestation	literal	plain	n/a	n/a
11	Earlier/later variant title	element sub-type	label	manifestation	literal	plain	n/a	n/a
12	Key title	element sub-type	label	manifestation	literal	plain	n/a	n/a
13	Abbreviated title	element sub-type	label	manifestation	literal	plain	n/a	n/a
14	Devised title	element sub-type	label	manifestation	literal	plain	n/a	n/a
15	Statement of responsibility	element	label	manifestation	-	-	-	-
16	Statement of responsibility relating to title	element sub-type	label	manifestation	literal	plain	n/a	n/a
17	Parallel statement of responsibility relating to title	element sub-type	label	manifestation	literal	plain	n/a	n/a
18	Edition statement	element	label	manifestation	-	-	-	-
19	<i>Statement designating edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
20	<i>Parallel statement designating edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
21	<i>Statement of responsibility relating to the edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
22	<i>Parallel statement of responsibility relating to the edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
23	<i>Statement designating a named revision of an edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
24	<i>Parallel statement designating a named revision of an edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
25	<i>Statement of responsibility relating to a named revision of an edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
26	<i>Parallel statement of responsibility relating to a named revision of an edition</i>	sub-element	label	manifestation	literal	plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
27	Numbering of serials	element	label	manifestation	-	-	-	-
28	Numeric and/or alphabetic designation of first issue or part	element sub-type	label	manifestation	literal	plain	n/a	n/a
29	Chronological designation of first issue or part	element sub-type	label	manifestation	literal	plain	n/a	n/a
30	Numeric and/or alphabetic designation of last issue or part	element sub-type	label	manifestation	literal	plain	n/a	n/a
31	Chronological designation of last issue or part	element sub-type	label	manifestation	literal	plain	n/a	n/a
32	Numeric and/or alphabetic designation of last issue or part of first sequence	element sub-type	label	manifestation	literal	plain	n/a	n/a
33	Chronological designation of last issue or part of first sequence	element sub-type	label	manifestation	literal	plain	n/a	n/a
34	Numeric and/or alphabetic designation of first issue or part of new sequence	element sub-type	label	manifestation	literal	plain	n/a	n/a
35	Chronological designation of first issue or part of new sequence	element sub-type	label	manifestation	literal	plain	n/a	n/a
36	Production statement	element	label	manifestation	-	-	-	-
37	<i>Place of production</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
38	<i>Parallel place of production</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
39	<i>Producer's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
40	<i>Parallel producer's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
41	<i>Date of production</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
42	Publication statement	element	label	manifestation	-	-	-	-
43	<i>Place of publication</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
44	<i>Parallel place of publication</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
45	<i>Publisher's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
46	<i>Parallel publisher's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
47	<i>Date of publication</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
48	Distribution statement	element	label	manifestation	-	-	-	-
49	<i>Place of distribution</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
50	<i>Parallel place of distribution</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
51	<i>Distributor's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
52	<i>Parallel distributor's name</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
53	<i>Date of distribution</i>	sub-element	label	manifestation	literal	plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
54	Copyright date	element	label	manifestation	literal	plain	n/a	n/a
55	Series statement	element	label	manifestation	-	-	-	-
56	<i>Title proper of series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
57	<i>Parallel title of series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
58	<i>Other title information of series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
59	<i>Parallel other title information of series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
60	<i>Statement of responsibility relating to series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
61	<i>Parallel statement of responsibility relating to series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
62	<i>ISSN of series</i>	sub-element	label	manifestation	literal	typed	ISO 3297	n/a
63	<i>Numbering within series</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
64	<i>Title proper of subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
65	<i>Parallel title of subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
66	<i>Other title information of subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
67	<i>Parallel other title information of subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
68	<i>Statement of responsibility relating to subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
69	<i>Parallel statement of responsibility relating to subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
70	<i>ISSN of subseries</i>	sub-element	label	manifestation	literal	typed	ISO 3297	n/a
71	<i>Numbering within subseries</i>	sub-element	label	manifestation	literal	plain	n/a	n/a
72	Mode of issuance	element	type	manifestation	non-literal	plain	n/a	RDA mode of issuance
73	Frequency	element	quality	manifestation	non-literal	plain	n/a	RDA frequency
74						plain	n/a	n/a
75	Resource identifier	element	label	-	-	-	-	-
76	Resource identifier (general)	element sub-type	label	-	literal	typed	as specified for identifier (if applicable)	n/a
77						typed	RDA resource identifier	n/a
78	Publisher's number for music	element sub-type	label	manifestation	literal	plain	n/a	n/a
79	Plate number for music	element sub-type	label	manifestation	literal	plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

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1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
80	Preferred citation	element	label	-	literal	plain	n/a	n/a
81	Custodial history	element	role	item	non-literal	plain	n/a	n/s
82	Immediate source of acquisition	element	role	item	non-literal	plain	n/a	n/s
83	Annotation	element	-	manifestation	-	-	-	-
84	Annotation on title	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
85	Annotation on statement of responsibility	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
86	Annotation on edition statement	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
87	Annotation on numbering of serials	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
88	Annotation on production statement	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
89	Annotation on publication statement	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
90	Annotation on distribution statement	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
91	Annotation on series statement	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
92	Annotation on frequency	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
93	Annotation on basis for identification of the resource	element sub-type	quality?	manifestation	literal?	plain	n/a	n/a
94	DESCRIBING CARRIERS							
95	Media type	element	type	manifestation	non-literal	plain	n/a	RDA media type
96	Carrier type	element	type	manifestation	non-literal	plain	n/a	RDA carrier type
97	Extent	element	quantity	-	-	-	-	-
98	Extent (general)	element sub-type	quantity	-	non-literal	typed	RDA extent	n/a
99	Extent of cartographic resource	element sub-type	quantity	-	non-literal	typed	RDA extent of cartographic resources	n/a
100	Extent of notated music	element sub-type	quantity	-	non-literal	typed	RDA extent of notated music	n/a
101	Extent of still image	element sub-type	quantity	-	non-literal	typed	RDA extent of still images	n/a
102	Extent of text	element sub-type	quantity	-	non-literal	typed	RDA extent of text	n/a
103	Extent of three-dimensional form	element sub-type	quantity	-	non-literal	typed	RDA extent	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

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1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
104	Dimensions	element	quantity	-	-	-	-	-
105	Dimensions (general)	element sub-type	quantity	-	non-literal	typed	RDA dimensions	n/a
106	Dimensions of map, etc.	element sub-type	quantity	-	non-literal	typed	RDA dimensions of maps, etc.	n/a
107	Dimensions of still image	element sub-type	quantity	-	non-literal	typed	RDA dimensions of still images	n/a
108	Base material	element	quality	manifestation	-	-	-	-
109	Base material (general)	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA base material
110						plain	n/a	n/a
111	Base material for microfilm, microfiche, and motion picture film	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA base material (microfilm, microfiche, and motion picture film)
112						plain	n/a	n/a
113	Applied material	element	quality	manifestation	-	-	-	-
114	Applied material (general)	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA applied material
115						plain	n/a	n/a
116	Emulsion on microfilm and microfiche	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA emulsion (microfilm and microfiche)
117						plain	n/a	n/a
118	Mount	element	quality	manifestation	non-literal	plain	n/a	RDA base material
119						plain	n/a	n/a
120	Production method	element	quality	manifestation	-	-	-	-
121	Production method (general)	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA production method
122						plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
123	Production method for manuscripts	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA production method (manuscripts)
124						plain	n/a	n/a
125	Production method for tactile resources	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA production method (tactile resources)
126						plain	n/a	n/a
127	Generation	element	quality	manifestation	-	-	-	-
128	Generation of audio recording	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA generation (audio recordings)
129						plain	n/a	n/a
130	Generation of digital resource	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA generation (digital resources)
131						plain	n/a	n/a
132	Generation of microform	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA generation (microforms)
133						plain	n/a	n/a
134	Generation of motion picture film	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA generation (motion picture films)
135						plain	n/a	n/a
136	Generation of videotape	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA generation (videotapes)
137						plain	n/a	n/a
138	Layout	element	quality	manifestation	-	-	-	-
139	Layout (general)	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA layout
140	Layout of map, etc.	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA layout of maps, etc.
141						plain	n/a	n/a
142	Layout of tactile music	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA layout (tactile music)
143						plain	n/a	n/a
144	Layout of tactile text	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA layout (tactile text)

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
145						plain	n/a	n/a
146	Colour	element	quality	manifestation	-	-	-	-
147	Colour (general)	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA colour
148						plain	n/a	n/a
149	Colour of still image	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA colour (still images)
150						plain	n/a	n/a
151	Colour of moving images	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA colour (moving images)
152						plain	n/a	n/a
153	Colour of three-dimensional form	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA colour (three-dimensional forms)
154						plain	n/a	n/a
155	Colour of resource designed for persons with visual impairments	element sub-type	quality	manifestation	non-literal	plain	n/a	n/a
156	Foliation	element	quality	manifestation	non-literal	plain	n/a	RDA foliation
157						plain	n/a	n/a
158	Font size	element	quality	manifestation	non-literal	plain	n/a	RDA font size
159						plain	n/a	n/a
160	Polarity	element	quality	manifestation	non-literal	plain	n/a	RDA polarity
161						plain	n/a	n/a
162	Reduction ratio	element	quality	manifestation	non-literal	plain	n/a	RDA reduction ratio
163						plain	n/a	n/a
164	Sound characteristics	element	quality	manifestation	-	-	-	-
165	Presence of sound	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA sound characteristics
166						plain	n/a	n/a
167	Type of recording	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA type of recording
168						plain	n/a	n/a
169	Playing speed	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA playing speed
170						plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
171	Groove characteristic	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA groove characteristic
172						plain	n/a	n/a
173	Track configuration	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA track configuration
174						plain	n/a	n/a
175	Tape configuration	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA tape configuration
176						plain	n/a	n/a
177	Configuration of playback channels	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA configuration of playback channels
178						plain	n/a	n/a
179	Special playback characteristics	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA special playback characteristics
180						plain	n/a	n/a
181	Projection characteristics	element	quality	manifestation	-	-	-	-
182	Presentation format	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA presentation format
183						plain	n/a	n/a
184	Projection speed	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA projection speed
185						plain	n/a	n/a
186	Video characteristics	element	quality	manifestation	-	-	-	-
187	Video format	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA video format
188						plain	n/a	n/a
189	Broadcast standard	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA broadcast standard
190						plain	n/a	n/a
191	Digital file characteristics	element	quality	manifestation	-	-	-	-
192	File type	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA file type
193						plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
194	Encoding format	element sub-type	quality	manifestation	non-literal	plain	n/a	RDA encoding format
195						plain	n/a	n/a
196	File size	element sub-type	quantity	manifestation	literal	typed	RDA file size	n/a
197	Transmission speed	element sub-type	quantity	manifestation	literal	typed	RDA transmission speed	n/a
198	Representation of cartographic images	element sub-type	quality	manifestation	-	-	-	-
199	<i>Data type</i>	sub-element	quality	manifestation	non-literal	plain	n/a	RDA data type
200	<i>Object type</i>	sub-element	quality	manifestation	non-literal	plain	n/a	RDA object type
201	<i>Number of objects</i>	sub-element	quantity	manifestation	non-literal	typed	RDA number of objects	n/a
202	Equipment and system requirements	element	role	manifestation	non-literal	plain	n/a	n/a
203	Item-specific carrier characteristics	element	quality	item	-	-	-	-
204	Item-specific carrier characteristics (general)	element sub-type	quality	item	non-literal	plain	n/a	n/a
205	Item-specific carrier characteristics of early printed resources	element sub-type	quality	item	non-literal	plain	n/a	n/a
206	Annotation	element	-	-	-	-	-	-
207	Annotation on extent of manifestation	element sub-type	quantity / quality	-	literal?	plain	n/a	n/a
208	Annotation on dimensions of manifestation	element sub-type	quantity / quality	-	literal?	plain	n/a	n/a
209	Annotation on changes in carrier characteristics	element sub-type	quality	-	literal?	plain	n/a	n/a
210	Annotation on extent of item	element sub-type	quantity / quality	-	literal?	plain	n/a	n/a
211	Annotation on dimensions of item	element sub-type	quantity / quality	-	literal?	plain	n/a	n/a

RDA Element Analysis

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
212	PROVIDING ACQUISITION AND ACCESS INFORMATION							
213	Terms of availability	element	quantity / quality	manifestation	non-literal	plain	n/a	n/a
214	Contact information	element	role?	-	non-literal	plain	n/a	n/a
215	Restrictions on access	element	quality	-	non-literal	plain	n/a	n/a
216	Restrictions on use	element	quality	-	non-literal	plain	n/a	n/a
217	Uniform Resource Locator	element	label	-	literal	typed	as specified for URLs	n/a
218	RECORDING ATTRIBUTES OF WORKS AND EXPRESSIONS							
219	Status of preferred access point	element	quality	access point	non-literal	plain	n/a	n/a
220	Source consulted	element	role?	access point	non-literal	plain	n/a	n/a
221	Cataloguer's annotation	element	?	?	non-literal	plain	n/a	n/a
222	IDENTIFYING WORKS AND EXPRESSIONS							
223	<i>Title</i>							
224	Preferred title for the work	element	label	work	literal	plain	n/a	n/a
225	Variant title for the work	element	label	work	literal	plain	n/a	n/a
226	Alternative linguistic form of title	element sub-type	label	work	literal	plain	n/a	n/a
227	Other variant title	element sub-type	label	work	literal	plain	n/a	n/a
228	<i>Other identifying attributes of work</i>							
229	Form of work	element	type?	work	non-literal	plain	n/a	n/a
230	Date of work	element	role?	work	non-literal	plain	n/a	n/a
231	Date of creation	element sub-type	role?	work	non-literal	plain	n/a	n/a
232	Date of first publication / release	element sub-type	role?	work	non-literal	plain	n/a	n/a
233	Date of promulgation of a law, etc.	element sub-type	role?	work	non-literal	plain	n/a	n/a
234	Date of signing of a treaty, etc.	element sub-type	role?	work	non-literal	plain	n/a	n/a
235	Place of origin of the work	element	role?	work	non-literal	plain	n/a	n/a
236	Medium of performance	element	role?	work	non-literal	plain	n/a	n/a
237	Numeric designation	element	label	work	non-literal	plain	n/a	n/a
238	Key	element	quality	work	non-literal	plain	n/a	n/a
239	Signatory to a treaty, etc.	element	role?	work	non-literal	plain	n/a	n/a
240	Other distinguishing characteristic of the work	element	quality	work	non-literal	plain	n/a	n/a
241	Original language of the work	element	quality	work	non-literal	plain	n/a	RDA language
242	History of the work	element	role?	work	non-literal	plain	n/a	n/a
243	Identifier for the work	element	label	work	literal	typed	as specified for identifier (if applicable)	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
244						typed	RDA identifier	n/a
245	<i>Other identifying attributes of expression</i>							
246	Content type	element	type	expression	non-literal	plain	n/a	RDA content type
247	Date of expression	element	role?	expression	non-literal	plain	n/a	n/a
248	Language of expression	element	quality	expression	non-literal	plain	n/a	RDA language
249	Version	element	quality	expression	non-literal	plain	n/a	n/a
250	Technique	element	quality	expression	non-literal	plain	n/a	n/a
251	Identifier for the expression	element	label	expression	literal	typed	as specified for identifier (if applicable)	n/a
252						typed		
253	DESCRIBING ADDITIONAL ATTRIBUTES OF WORKS AND EXPRESSIONS							
254	Nature of the content	element	quality	work	non-literal	plain	n/a	RDA nature of work?
255						plain		n/a
256	Coverage of the content	element	quality	work	non-literal	plain	n/a	RDA geographical coverage? / RDA chronological coverage?
257						plain		n/a
258	Intended audience	element	quality	work	non-literal	plain	n/a	RDA intended audience?
259					literal	plain		n/a
260	Summarization of the content	element	quality	work	non-literal	plain	n/a	n/a
261	System of organization	element	quality	work?	non-literal	plain	n/a	n/a
262	Dissertation or theses information	element	role	work	-	-	-	-
263	<i>Degree</i>	sub-element	role	work	non-literal	plain	n/a	n/a
264	<i>Institution</i>	sub-element	role	work	non-literal	plain	n/a	n/a
265	<i>Year degree granted</i>	sub-element	role	work	non-literal	plain	n/a	n/a
266	Place and date of capture	element	role	expression	-	-	-	-
267	<i>Place of capture</i>	sub-element	role	expression	non-literal	plain	n/a	n/a
268	<i>Date of capture</i>	sub-element	role	expression	non-literal	plain	n/a	n/a
269	Language of the content	element	quality	expression	non-literal	plain	n/a	n/s
270	Notational system	element	quality	expression	-	-	-	-

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
271	Script	element sub-type	quality	expression	non-literal	plain	n/a	n/s
272	Music notation system	element sub-type	quality	expression	non-literal	plain	n/a	n/s
273	Tactile system of notation	element sub-type	quality	expression	non-literal	plain	n/a	RDA tactile system of notation
274						plain	n/a	n/a
275	Illustrative content	element	quality	expression	non-literal	plain	n/a	RDA illustrative content
276						plain	n/a	n/a
277	Format of notated music	element	label	expression	-	-	-	-
278	Medium of performance of musical content	element	quality	expression	non-literal	plain	n/a	n/s
279						plain	n/a	n/a
280	Duration	element	quantity	expression	non-literal	plain	n/a	n/a
281	Performers of music	element	role	expression	non-literal	plain	n/a	n/a
282	Featured players, performers, narrators, and/or presenters	element	role	expression	non-literal	plain	n/a	n/a
283	Artistic and/or technical credits	element	role	expression	non-literal	plain	n/a	n/a
284	Scale	element	quantity	expression	-	-	-	-
285	Scale of still image or three-dimensional form	element sub-type	quantity	expression	non-literal	typed	RDA scale (still image or three-dimensional form)	n/a
286	Horizontal scale of cartographic content	element sub-type	quantity	expression	non-literal	typed	RDA scale (cartographic content)	n/a
287						plain	n/a	RDA content not drawn to scale (cartographic content)
288	Variations in scale [cartographic content]	element sub-type	quantity / quality	expression	non-literal	typed	RDA variations in scale (cartographic content)	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
289	Multiple scales [cartographic content]	element sub-type	quantity / quality	expression	non-literal	typed	RDA multiple scales (cartographic content)	n/a
290						plain	n/a	RDA multiple scales (cartographic content)
291	Non-linear scale [cartographic content]	element sub-type	quantity / quality	expression	non-literal	plain	n/a	RDA non-linear scale (cartographic content)
292						plain	n/a	n/a
293	Vertical scale [cartographic content]	element sub-type	quantity	expression	non-literal	typed	RDA vertical scale (cartographic content)	n/a
294	Additional scale information [cartographic content]	element sub-type	quantity / quality	expression	non-literal	plain	n/a	n/a
295	Projection of cartographic content	element	label	expression	literal	plain	n/a	n/a
296	Coordinates of cartographic content	element	quantity	work?	-	-	-	-
297	Longitude and latitude	element sub-type	quantity	work?	non-literal	typed	RDA longitude and latitude	n/a
298	Strings of coordinate pairs	element sub-type	quantity	work?	non-literal	typed	RDA strings of coordinate pairs	n/a
299	Ascension and declination	element sub-type	quantity	work?	non-literal	typed	RDA ascension and declination	n/a
300	Equinox	element	quantity	work?	non-literal	typed	RDA equinox	n/a
301	Epoch	element	quantity	work?	non-literal	typed?	RDA epoch?	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
302	Other details of cartographic content	element	quantity / quality	expression	non-literal	plain	n/a	n/a
303	Awards	element	quality?	expression	non-literal	plain	n/a	n/a
304	RECORDING ATTRIBUTES OF PERSONS, FAMILIES, AND CORPORATE BODIES							
305	Scope of usage	element	role?	name	non-literal	plain	n/a	n/a
306	Date of usage	element	role?	name	non-literal	plain	n/a	n/a
307	Status of preferred access point	element	quality	access point	non-literal	plain	n/a	n/a
308	Undifferentiated name indicator	element	quality	access point	non-literal	plain	n/a	n/a
309	Source consulted	element	role?	access point	non-literal	plain	n/a	n/a
310	Cataloguer's annotation	element	?	?	non-literal	plain	n/a	n/a
311	IDENTIFYING PERSONS							
312	<i>Name</i>							
313	Preferred name for the person	element	label	person	literal	plain	n/a	n/a
314	Variant name for the person	element	label	person	literal	plain	n/a	n/a
315	Real name	element sub-type	label	person	literal	plain	n/a	n/a
316	Secular name	element sub-type	label	person	literal	plain	n/a	n/a
317	Name in religion	element sub-type	label	person	literal	plain	n/a	n/a
318	Earlier name of person	element sub-type	label	person	literal	plain	n/a	n/a
319	Later name of person	element sub-type	label	person	literal	plain	n/a	n/a
320	Alternative linguistic form of name	element sub-type	label	person	literal	plain	n/a	n/a
321	Other variant name	element sub-type	label	person	literal	plain	n/a	n/a
322	<i>Other identifying attributes</i>							
323	Date associated with the person	element	role?	person	non-literal	plain	n/a	n/a
324	Date of birth	element sub-type	role?	person	non-literal	plain	n/a	n/a
325	Date of death	element sub-type	role?	person	non-literal	plain	n/a	n/a
326	Period of activity	element sub-type	role?	person	non-literal	plain	n/a	n/a
327	Title of the person	element	label	person	non-literal	plain	n/a	n/a
328	Fuller form of name	element	label	person	non-literal	plain	n/a	n/a
329	Other designation associated with the person	element	label	person	non-literal	plain	n/a	n/a
330	Gender	element	quality	person	non-literal	plain	n/a	RDA gender
331	Place of birth	element	role?	person	non-literal	plain	n/a	n/a
332	Place of death	element	role?	person	non-literal	plain	n/a	n/a
333	Country associated with the person	element	role?	person	non-literal	plain	n/a	n/a
334	Place of residence	element	role?	person	non-literal	plain	n/a	n/a
335	Address of the person	element	role?	person	non-literal	plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
336	Affiliation	element	role?	person	non-literal	plain	n/a	n/a
337	Language of the person	element	quality	person	non-literal	plain	n/a	RDA language
338	Field of activity of the person	element	role?	person	non-literal	plain	n/a	n/a
339	Profession or occupation	element	role?	person	non-literal	plain	n/a	n/a
340	Biographical information	element	role?	person	non-literal	plain	n/a	n/a
341	Identifier for the person	element	label	person	literal	typed	as specified for identifier (if applicable)	n/a
342						typed	RDA identifier	n/a
343	IDENTIFYING FAMILIES							
344	<i>Name</i>							
345	Preferred name for the family	element	label	family	literal	plain	n/a	n/a
346	Variant name for the family	element	label	family	literal	plain	n/a	n/a
347	Alternative linguistic form of name	element sub-type	label	family	literal	plain	n/a	n/a
348	Other variant name	element sub-type	label	family	literal	plain	n/a	n/a
349	<i>Other identifying attributes</i>							
350	Type of family	element	quality?	family	non-literal	plain	n/a	RDA type of family
351	Date associated with the family	element	role?	family	non-literal	plain	n/a	n/a
352	Place associated with the family	element	role?	family	non-literal	plain	n/a	n/a
353	Prominent member of the family	element	role?	family	non-literal	plain	n/a	n/a
354	Hereditary title	element	role?	family	non-literal	plain	n/a	n/a
355	Family history	element	role?	family	non-literal	plain	n/a	n/a
356	Identifier for the family	element	label	family	literal	typed	as specified for identifier (if applicable)	n/a
357						typed	RDA identifier	n/a
358	IDENTIFYING CORPORATE BODIES							
359	<i>Name</i>							
360	Preferred name for the corporate body	element	label	corporate body	literal	plain	n/a	n/a
361	Variant name for the corporate	element	label	corporate body	literal	plain	n/a	n/a
362	Expanded name	element sub-type	label	corporate body	literal	plain	n/a	n/a
363	Acronym / initialism / abbreviated form	element sub-type	label	corporate body	literal	plain	n/a	n/a
364	Alternative linguistic form of name	element sub-type	label	corporate body	literal	plain	n/a	n/a
365	Other variant name	element sub-type	label	corporate body	literal	plain	n/a	n/a

RDA Element Analysis

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
366	<i>Other identifying attributes</i>							
367	Place associated with the corporate body	element	role?	corporate body	non-literal	plain	n/a	n/a
368	Location of conference, etc.	element sub-type	role?	corporate body	non-literal	plain	n/a	n/a
369	Location of headquarters	element sub-type	role?	corporate body	non-literal	plain	n/a	n/a
370	Date associated with the corporate body	element	role?	corporate body	non-literal	plain	n/a	n/a
371	Date of conference, etc.	element sub-type	role?	corporate body	non-literal	plain	n/a	n/a
372	Date of establishment	element sub-type	role?	corporate body	non-literal	plain	n/a	n/a
373	Date of termination	element sub-type	role?	corporate body	non-literal	plain	n/a	n/a
374	Type of corporate body	element	quality?	corporate body	non-literal	plain	n/a	n/a
375	Other designation associated with the corporate body	element	label	corporate body	non-literal	plain	n/a	n/a
376	Language of the corporate body	element	quality	corporate body	non-literal	plain	n/a	RDA language
377	Address of the corporate body	element	role?	corporate body	non-literal	plain	n/a	n/a
378	Field of activity of the corporate body	element	role?	corporate body	non-literal	plain	n/a	n/a
379	Corporate history	element	role?	corporate body	non-literal	plain	n/a	n/a
380	Identifier for the corporate body	element	label	corporate body	literal	typed	as specified for identifier (if applicable)	n/a
381						typed		
382	RECORDING ATTRIBUTES OF CONCEPTS, OBJECTS, EVENTS, AND PLACES							
383	Scope of usage	element	role?	name	non-literal	plain	n/a	n/a
384	Status of preferred access point	element	quality	access point	non-literal	plain	n/a	n/a
385	Source consulted	element	quality	access point	non-literal	plain	n/a	n/a
386	Cataloguer's annotation	element	quality	access point	non-literal	plain	n/a	n/a
387	IDENTIFYING CONCEPTS							
388	Preferred term for the concept	element	label	concept	literal	plain	n/a	n/a
389	Variant term for the concept	element	label	concept	literal	plain	n/a	n/a
390	Type of concept	element	type	concept	non-literal	plain	n/a	RDA type of concept
391	Identifier for the concept	element	label	concept	literal	typed	as specified for identifier (if applicable)	n/a
392						typed		
393	IDENTIFYING OBJECTS							

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
394	Preferred name for the object	element	label	object	literal	plain	n/a	n/a
395	Variant name for the object	element	label	object	literal	plain	n/a	n/a
396	Type of object	element	type	object	non-literal	plain	n/a	RDA type of object
397	Date of production	element	role?	object	non-literal	plain	n/a	n/a
398	Place of production	element	role?	object	non-literal	plain	n/a	n/a
399	Producer / fabricator	element	role?	object	non-literal	plain	n/a	n/a
400	Physical medium	element	quality	object	non-literal	plain	n/a	RDA physical medium
401	Identifier for the object	element	label	object	literal	typed	as specified for identifier (if applicable)	n/a
402						typed	RDA identifier	n/a
403	IDENTIFYING EVENTS							
404	Preferred name for the event	element	label	event	literal	plain	n/a	n/a
405	Variant name for the event	element	label	event	literal	plain	n/a	n/a
406	Date associated with the event	element	role?	event	non-literal	plain	n/a	n/a
407	Place associated with the event	element	role?	event	non-literal	plain	n/a	n/a
408	Identifier for the object	element	label	event	literal	typed	as specified for identifier (if applicable)	n/a
409						typed	RDA identifier	n/a
410	IDENTIFYING PLACES							
411	<i>Name</i>							
412	Preferred name for the place	element	label	place	literal	plain	n/a	n/a
413	Variant name for the place	element	label	place	literal	plain	n/a	n/a
414	Expanded name	element sub-type	label	place	literal	plain	n/a	n/a
415	Initialism / abbreviated form	element sub-type	label	place	literal	plain	n/a	n/a
416	Alternative linguistic form of name	element sub-type	label	place	literal	plain	n/a	n/a
417	Other variant name	element sub-type	label	place	literal	plain	n/a	n/a
418	<i>Other identifying attributes</i>							
419	Coordinates	element	quantity?	place	non-literal	plain	n/a	n/a
420	Other geographical information	element	quality?	place	non-literal	plain	n/a	n/a
421	Identifier for the place	element	label	place	literal	typed	as specified for identifier (if applicable)	n/a
422						typed	RDA identifier	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
423	RECORDING PRIMARY RELATIONSHIPS BETWEEN WORK, EXPRESSION, MANIFESTATION, AND ITEM							
424	<i>Relationship between a work and an expression of the work</i>							
425	Expressed as	element	role	work	non-literal	typed	as specified for identifier	n/a
426						typed	RDA preferred access point [expression]	n/a
427						plain	n/a	n/a
428	Expresses	element	role	expression	non-literal	typed	as specified for identifier	n/a
429						typed	RDA preferred access point [work]	n/a
430						plain	n/a	n/a
431	<i>Relationship between a manifestation and a work or expression embodied in the manifestation</i>							
432	Manifested as	element	role	-	non-literal	typed	as specified for identifier	n/a
433						plain	n/a	n/a
434	Manifests	element	role	manifestation	non-literal	typed	as specified for identifier	n/a
435						typed	RDA preferred access point [work / expression]	n/a
436						plain	n/a	n/a
437	<i>Relationship between an item and a manifestation exemplified by the item</i>							
438	Exemplified by	element	role	manifestation	non-literal	typed	as specified for identifier	n/a
439						plain	n/a	n/a
440	Exemplifies	element	role	item	non-literal	typed	as specified for identifier	n/a
441						plain	n/a	n/a
442	RECORDING RELATIONSHIPS TO PERSONS, FAMILIES, AND CORPORATE BODIES ASSOCIATED WITH A RESOURCE							
443	Relationship designator	element	role	-	non-literal	plain	n/a	RDA relationship designator

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
444	PERSONS, FAMILIES, AND CORPORATE BODIES ASSOCIATED WITH A WORK							
445	Creator	element	role	work	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
446	Originating body	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
447	Other person, family, or corporate body associated with the work	element	role	work	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
448	<i>Persons, families, and corporate bodies associated with legal works</i>							
449	Jurisdiction governed	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
450	Enacting jurisdiction	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
451	Head of state, chief executive, or ruling executive body	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
452	Legislative body	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
453	Issuing agency or agent	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
454	Promulgating agency or agent	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
455	Court governed	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
456	Body governed	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
457	Issuing jurisdiction	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
458	Signatory to a treaty, etc.	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
459	International conference resulting in a treaty, etc.	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
460	Court, tribunal, etc.	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
461	Reporter [of court proceedings]	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
462	Person or corporate body prosecuted	element	role	work	non-literal	typed	RDA preferred access point [person / corporate body]	n/a
463	Person or corporate body indicted	element	role	work	non-literal	typed	RDA preferred access point [person / corporate body]	n/a
464	Person or corporate body bringing the action	element	role	work	non-literal	typed	RDA preferred access point [person / corporate body]	n/a
465	Person or corporate body on the opposing side	element	role	work	non-literal	typed	RDA preferred access point [person / corporate body]	n/a
466	Judge	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a
467	Party to a case	element	role	work	non-literal	typed	RDA preferred access point [person / corporate body]	n/a
468	Lawyer representing a party	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a
469	<i>Persons and corporate bodies associated with religious works</i>							
470	Person associated with the sacred scripture	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
471	Harmonizer	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a
472	Church or denominational body associated with the creed, etc.	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
473	Person associated with the creed, etc.	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a
474	Church or denominational body associated with the liturgical work	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
475	Body within the church, etc., associated with the liturgical work	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
476	<i>Persons and corporate bodies associated with official communications</i>							
477	Official issuing an official communication	element	role	work	non-literal	typed	RDA preferred access point [corporate body]	n/a
478	Person issuing an official communication	element	role	work	non-literal	typed	RDA preferred access point [person]	n/a
479	PERSONS, FAMILIES, AND CORPORATE BODIES ASSOCIATED WITH AN EXPRESSION							
480	Contributor	element	role	expression	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
481	PERSONS, FAMILIES, AND CORPORATE BODIES ASSOCIATED WITH A MANIFESTATION							
482	Producer	element	role	manifestation	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
483	Publisher	element	role	manifestation	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
484	Distributor	element	role	manifestation	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
485	PERSONS, FAMILIES, AND CORPORATE BODIES ASSOCIATED WITH AN ITEM							
486	Owner	element	role	item	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
487	Custodian	element	role	item	non-literal	typed	RDA preferred access point [person / family / corporate body]	n/a
488	RECORDING SUBJECT RELATIONSHIPS							
489	Relationship designator	element	role	-	non-literal	plain	n/a	RDA relationship designator

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
490	RECORDING RELATIONSHIPS BETWEEN WORKS, EXPRESSIONS, MANIFESTATIONS, AND ITEMS							
491	Relationship designator	element	role	-	non-literal	plain	n/a	RDA relationship designator
492	Explanation of relationship	element	role	-	non-literal	plain	n/a	n/a
493	Source consulted	element	role?	access point				
494	Cataloguer's annotation	element	?	?				
495	RELATED WORKS							
496	<i>Derivative relationships</i>							
497	Source work	element	role	-	non-literal	typed	as specified for identifier	n/a
498						typed	RDA preferred access point [work]	n/a
499						typed	n/s	n/a
500						plain	n/a	n/a
501						typed	as specified for identifier	n/a
502	Derivative work	element	role	-	non-literal	typed	RDA preferred access point [work]	n/a
503						typed	n/s	n/a
504						plain	n/a	n/a
505						typed	as specified for identifier	n/a
506	Whole work	element	role	-	non-literal	typed	as specified for identifier	n/a
507						typed	RDA preferred access point [work]	n/a
508						typed	n/s	n/a
509						plain	n/a	n/a
510						Part of work	element	role
511	typed	RDA preferred access point [work]	n/a					
512	typed	n/s	n/a					

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
513						plain	n/a	n/a
514	Accompanying relationships							
515	Augmenting work	element	role	-	non-literal	typed	as specified for identifier	n/a
						typed	RDA preferred access point [work]	n/a
516						typed	n/s	n/a
517						plain	n/a	n/a
518						plain	n/a	n/a
519	Primary work	element	role	-	non-literal	typed	as specified for identifier	n/a
						typed	RDA preferred access point [work]	n/a
520						typed	n/s	n/a
521						plain	n/a	n/a
522						plain	n/a	n/a
523	Complementary work	element	role	-	non-literal	typed	as specified for identifier	n/a
						typed	RDA preferred access point [work]	n/a
524						typed	n/s	n/a
525						plain	n/a	n/a
526						plain	n/a	n/a
527	Sequential relationships							
528	Preceding work	element	role	-	non-literal	typed	as specified for identifier	n/a
						typed	RDA preferred access point [work]	n/a
529						typed	n/s	n/a
530						plain	n/a	n/a
531						plain	n/a	n/a
532	Succeeding work	element	role	-	non-literal	typed	as specified for identifier	n/a
						typed	RDA preferred access point [work]	n/a
533						typed	n/s	n/a
534								

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
535						plain	n/a	n/a
536	RELATED EXPRESSIONS							
537	<i>Derivative relationships</i>							
538	Source expression	element	role	-	non-literal	typed	as specified for identifier	n/a
539						typed	RDA preferred access point [expression]	n/a
540						typed	n/s	n/a
541						plain	n/a	n/a
542	Derivative expression	element	role	-	non-literal	typed	as specified for identifier	n/a
543						typed	RDA preferred access point [expression]	n/a
544						typed	n/s	n/a
545						plain	n/a	n/a
546	<i>Whole-part relationships</i>							
547	Whole expression	element	role	-	non-literal	typed	as specified for identifier	n/a
548						typed	RDA preferred access point [expression]	n/a
549						typed	n/s	n/a
550						plain	n/a	n/a
551	Part of expression	element	role	-	4	typed	as specified for identifier	n/a
552						typed	RDA preferred access point [expression]	n/a
553						typed	n/s	n/a
554						plain	n/a	n/a
555	<i>Accompanying relationships</i>							
556	Augmenting expression	element	role	-	non-literal	typed	as specified for identifier	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
557						typed	RDA preferred access point [expression]	n/a
558						typed	n/s	n/a
559						plain	n/a	n/a
560	Primary expression	element	role	-	non-literal	typed	as specified for identifier	n/a
561						typed	RDA preferred access point [expression]	n/a
562						typed	n/s	n/a
563						plain	n/a	n/a
564	Complementary expression	element	role	-	non-literal	typed	as specified for identifier	n/a
565						typed	RDA preferred access point [expression]	n/a
566						typed	n/s	n/a
567						plain	n/a	n/a
568	Sequential relationships							
569	Preceding expression	element	role	-	non-literal	typed	as specified for identifier	n/a
570						typed	RDA preferred access point [expression]	n/a
571						typed	n/s	n/a
572						plain	n/a	n/a
573	Succeeding expression	element	role	-	non-literal	typed	as specified for identifier	n/a
574						typed	RDA preferred access point [expression]	n/a
575						typed	n/s	n/a
576						plain	n/a	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
577	RELATED MANIFESTATIONS							
578	<i>Equivalence relationships</i>							
579	Equivalent manifestation	element	role	manifestation	non-literal	typed	as specified for identifier	n/a
580						typed	RDA preferred access point [manifestation]	n/a
581						typed	n/s	n/a
582						plain	n/a	n/a
583						typed	as specified for identifier	n/a
584	Whole manifestation	element	role	-	non-literal	typed	RDA preferred access point [manifestation]	n/a
585						typed	n/s	n/a
586						plain	n/a	n/a
587						typed	as specified for identifier	n/a
588	Part of manifestation	element	role	-	non-literal	typed	RDA preferred access point [manifestation]	n/a
589						typed	n/s	n/a
590						plain	n/a	n/a
591						typed	as specified for identifier	n/a
592	Accompanying manifestation	element	role	-	non-literal	typed	RDA preferred access point [manifestation]	n/a
593						typed	n/s	n/a
594						plain	n/a	n/a
595						typed	as specified for identifier	n/a
596	RELATED ITEM							
597	Equivalent item	element	role	manifestation	non-literal	typed	as specified for identifier	n/a
598						typed	RDA preferred access point [item]	n/a
599						typed	n/s	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
599						plain	n/a	n/a
600	Whole item	element	role	-	non-literal	typed	as specified for identifier	n/a
601						typed	RDA preferred access point [item]	n/a
602						typed	n/s	n/a
603						plain	n/a	n/a
604						typed	as specified for identifier	n/a
605	Part of item	element	role	-	non-literal	typed	RDA preferred access point [item]	n/a
606						typed	n/s	n/a
607						plain	n/a	n/a
608						typed	as specified for identifier	n/a
609	Accompanying item	element	role	-	non-literal	typed	RDA preferred access point [item]	n/a
610						typed	n/s	n/a
611						plain	n/a	n/a
612						typed	as specified for identifier	n/a
612	RECORDING RELATIONSHIPS BETWEEN PERSONS, FAMILIES, AND CORPORATE BODIES							
613	Relationship designator	element	role	-	non-literal	plain	n/a	RDA relationship designator
614	Explanation of relationship	element	role	-	non-literal	plain	n/a	n/a
615	Source consulted	element	role?	access point				
616	Cataloguer's annotation	element	?	?				
617	RELATED PERSONS							
618	Related person	element	role	-	non-literal	typed	as specified for identifier	n/a
619						typed	RDA preferred access point [person]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
620	RELATED FAMILIES							
621	Related family	element	role	-	non-literal	typed	as specified for identifier	n/a
622						typed	RDA preferred access point [family]	n/a
623	RELATED CORPORATE BODIES							
624	Related corporate body	element	role	-	non-literal	typed	as specified for identifier	n/a
625						typed	RDA preferred access point [corporate body]	n/a
626	RECORDING RELATIONSHIPS BETWEEN CONCEPTS, OBJECTS, EVENTS, AND PLACES							
627	Relationship designator	element	role	-	non-literal	plain	n/a	RDA relationship designator
628	Explanation of relationship	element	role	-	non-literal	plain	n/a	n/a
629	Source consulted	element	role?	access point				
630	Cataloguer's annotation	element	?	?				
631	RELATED CONCEPTS							
632	Related concept	element	role	-	non-literal	typed	as specified for identifier	n/a
633						typed	RDA preferred access point [person]	n/a
634	RELATED OBJECTS							
635	Related object	element	role	-	non-literal	typed	as specified for identifier	n/a
636						typed	RDA preferred access point [family]	n/a

RDA Element Analysis

5JSC/RDA/Element analysis/Rev

	A	B	C	D	E	F	G	H
1	RDA element	Classification	<index> attribute type	Domain	Value surrogate	Value string	Syntax encoding scheme	Vocabulary encoding scheme
637	RELATED EVENTS							
638	Related event	element	role	-	non-literal	typed	as specified for identifier	n/a
639						typed	RDA preferred access point [corporate body]	n/a
640	RELATED PLACES							
641	Related place	element	role	-	non-literal	typed	as specified for identifier	n/a
642						typed	RDA preferred access point [corporate body]	n/a