



## Data Dictionary: Multimedia and Bibliographic Databases

- **Last Updated:** 2012-12-05
- **Editor:** Peter C. Gorman
- **Version:** 2.0 (transitional)
- **Supersedes:** v.1.2
- **Related Documents:**
  - [Entity-Relationship Diagram for this application](#)
  - [XML DTD for this application \(SiteSearch DTD\)](#)

This document does not specify database structures, record syntax, field labels, or element names. Rather, it defines the core data elements in terms of their internal encoding, semantics, appropriate use, and relationship to other metadata schemes. Methods for embedding these data elements in specific databases or [transfer formats](#) will be specified in other documents.

Jump to: [Key to heading abbreviations](#) | [Contributors](#) | [References](#)

### Objects defined for this application:

- [Resource](#)
- [Media](#)
- [ExtMedia](#)
- [Derivative](#)
- [LabeledURI](#)
- [Submitter](#)

Object: Resource										
Name	Type	Definition	Scheme	Format	Example	Req/Rep		Crosswalk		Comments
						Req	Rep	MARC	MODS	
Resource-DC.Title	Main	The name given to the Resource by the <a href="#">Creator</a> or <a href="#">Publisher</a> . If unknown, a descriptive title may be assigned by staff.	[none]	Text string	Procession bearing banners in honor of Doctor Dobson, a tribute to him on leaving for a year at home.	X		245 00 1a	<titleInfo> <title> </title> </titleInfo>	This title will be used in brief record displays.
	Other	A title other than the main title, such as a subtitle or translated title.	[none]	Text string	Procession with banners for Dr. Dobson in front of where present church is, west side of street, YK		X	246 33 1a	<titleInfo type="?"> <title> </title> </titleInfo>	
Resource-DC.Creator	[Role]	The person(s) or organization(s) primarily responsible for the intellectual content of the Resource.	<a href="#">AACR2</a>	Text string in AACR2/LCNAF form or a form consistent with AACR2/LCNAF practice (for most languages last name, first name, middle initial, dates)	Nicholson, Asenath, 1792-1855 Jónas Hallgrímsson, 1807-1845		X	720 ___ 1a le	<name> <namePart> </namePart> <role> </role> </name> <roleTerm> </roleTerm> </role> </name>	Values specified for [Role] will be used mainly for labeling and display, not for scoped indexing and retrieval.  Values will be linked to a browse of the combined <a href="#">DC.Creator</a> and <a href="#">DC.Contributor</a> fields.
		Person(s) or organization(s) in addition to the <a href="#">Creator</a> who have		Text string in AACR2/LCNAF form or a form consistent with					<name> <namePart>	Values specified for [Role] will be used mainly for labeling and display, not for scoped indexing

Resource-DC.Contributor	[Role]	made significant intellectual contributions to the Resource but whose contribution is secondary to that of the <i>Creator</i> .	<a href="#">AACR2</a>	AACR2/LCNAF practice (for most languages last name, first name, middle initial, dates)	Kingler, Dick Haugen, Einar Ingvald, 1906-	X	720 __ la le	</namePart> <role> <roleTerm> </roleTerm> </role> </name>	and retrieval.  Values will be linked to a browse of the combined <i>DC.Creator</i> and <i>DC.Contributor</i> fields.
Resource-DC.Subject		The terms, phrases, or classifications used to provide topical access to the Resource.	[none] <a href="#">LCSH</a> <a href="#">MeSH</a> <a href="#">AAT</a> <a href="#">AFS</a> <a href="#">TGM</a>	Text string	Peddlers and peddling -- England -- London	X	650 _4 la 653 __ la 650 _0 la 650 _2 la 650 _7 la 12 650 _7 la 12	<subject> <topic> </topic> </subject> <subject authority="lcsch"> <topic> </topic> </subject> <subject authority="mesh"> <topic> </topic> </subject> <subject authority="aat"> <topic> </topic> </subject> <subject authority="afs"> <topic> </topic> </subject> <subject authority="lctgm"> <topic> </topic> </subject>	Schemes should be used as part of display label (e.g. "LCSH Subject: ")  Values will be linked to <b>browse</b> of all <i>unqualified</i> Subject fields.
Resource-DC.Description		A textual description of the content of the Resource.	[none]	Text string	UW-Madison TEI edition of work originally published in 1885. Encoded according to Guidelines for Markup of Electronic Texts: UW-Madison Libraries, version 1.0, Reading Level.	X	520 __ la	<note> </note>	
Resource-DC.Publisher		The entity responsible for making the Resource available in its present form, such as a corporate publisher, a university department, or a cultural institution.	[none]	Text string: Place: (optional) Publisher name	Madison, WI: University of Wisconsin-Madison, General Library System	X	260 __ la lb	<originInfo> <place> <placeTerm> </placeTerm> </place> </originInfo> OR <originInfo> <publisher> </publisher> </originInfo>	
Resource-Date-Certainty		Whether the date value in <a href="#">Resource-DC.Date</a> is certain.		Boolean: one of {y n}			260 __ lc	<originInfo> <dateCreated encoding="w3cdtf" qualifier="questionable"> </dateCreated> </originInfo>	A value of n should cause the interface to display the string ca. immediately before the value of <a href="#">Resource-DC.Date</a> .
Resource-DC.Date		The date the Resource was made available in its present form.	<a href="#">W3C-DTF</a>	YYYY(-MM(-DD)) format specified in W3C profile of ISO 8601	2001-06	X	260 __ lc	<originInfo> <dateCreated encoding="w3cdtf"> </dateCreated> </originInfo>	For summarized or uncertain entries, date ranges can be indicated in ISO 8601 format by separating the start and end dates with a forward slash (e.g., July-August 1998 = 1998-07/1998-08).  See also Markus Kuhn's article " <a href="#">A Summary of the International Standard Date and Time Notation</a> ".
Resource-DC.Type		The nature or genre of the content of the Resource [ <a href="#">DCES</a> ], such as text, image, physical object, or collection.	<a href="#">DCT1</a>	Text string: value drawn from DCMI List of Resource Types [ <a href="#">DCT1</a> ]	Image Text Collection	X	655 _7 la	<typeOfResource> </typeOfResource> OR <typeOfResource manuscript="yes" collection="yes"> </typeOfResource>	Values may be linked to new search of this field, though it may be more useful just to use values as search limits (e.g., in a drop-down list on a search form).
Resource-DC.Format		The physical or digital manifestation of the Resource. [ <a href="#">DCES</a> ]	[none] <a href="#">MIME</a>	Text String  Valid <a href="#">MIME Media Type</a>	color 35mm slide  image/jpeg	X	300 __ la 856 __ la	<physicalDescription> <form> </form> </physicalDescription> <physicalDescription> <internetMediaType> </internetMediaType> </physicalDescription>	
			[none] <a href="#">URL</a> <a href="#">ISBN</a>	Text string valid URL valid ISBN	FRUS http://www.lamp.ac.uk/hogarth/ 0571059228		024 8_ la 856 40 lu 020 __ la	<identifier> </identifier> <identifier type="uri"> </identifier> <identifier type="isbn"> </identifier>	
								<identifier type="issn">	

Resource-DC.Identifier	An unambiguous reference to the Resource within a given context. [DCES]	ISSN	valid ISSN	0021-9584	X	022 __ la	</identifier>	
		Handle	valid <a href="#">Handle</a>	1711.dl/HistPriSrc.NichoAnnal		856 40 lu	<identifier type="hdl"> </identifier>	
		CallNo	Call number	E166 .B84		090	<identifier type="lccn"> </identifier>	
		BBA	Bertolt Brecht Archiv					
		GBA	Bertolt Brecht <i>große kommentierte Berliner und Frankfurter Ausgabe</i>					
bibliographicCitation	A bibliographic reference for the Resource. [DCBC]							
LocalID	Identifier for Resource; must be unique (at least) within scope of Collection	[none]	Text string, composed of characters valid for URN <a href="#">Namespace Specific String</a> , with the format [Collection-ID].[locally-unique-string].bib	AfricaFocus.r5210as01.bib	X	024 __ la	<recordInfo> <recordIdentifier> </recordIdentifier> </recordInfo>	This is qualified because of its special function as a unique record identifier. LTG will prefix supplied values with the Collection-ID and will suffix values with .bib, so data entry staff need only supply the locally-unique string.
Resource-DC.Source	A Reference to a resource from which the present Resource is derived. [DCES]	[none]	Text string	Tuer, Andrew White, 1838-1900. Old London street cries ; and, The cries of to-day : with heaps of quaint cuts including hand-coloured frontispiece. London: Field & Tuer, The Leadenhall Press, 1885.	X	786 0_ ln	<relatedItem> </relatedItem>	
Resource-DC.Language	A language of the intellectual content of the Resource. [DCES]	[ISO639-2]	Three-letter string from ISO 639-2/B Bibliographic Codes	eng	X	041 la	<language> <languageTerm type="code" authority="iso639-2b"> </languageTerm> </language>	Interface will map values to textual equivalents, e.g., eng -> English  Languages not represented in ISO 639-2 should use codes from the local use range qaa-qtz. Local codes currently in use are:  [none]
Resource-DC.Relation	A reference to a related resource [DCES] (relationship unspecified).	[none]	Text string or <a href="#">LabeledURI Object</a>	LocalID of another record on this collection	X	787 0_ ln	<relatedItem> <name> </name> <identifier type="uri"> </identifier> </relatedItem>	
		LocalID	<a href="#">Unique Identifier</a> of another record on this collection			787 0_ lo	<relatedItem> <name> </name> <recordInfo> <recordIdentifier> </recordIdentifier> </recordInfo> </relatedItem>	
	OtherFormat	A reference to a related resource. [DCES] The described Resource is the same intellectual content of the referenced resource, but presented in another format. [DCQ]	[none]	Text string or <a href="#">LabeledURI Object</a>	LocalID of another record on this collection	X	776 0_ ln 776 0_ lo	<relatedItem type="otherFormat"> <name> </name> <identifier type="uri"> </identifier> </relatedItem>
			<a href="#">Unique Identifier</a> of another record on this collection	[Text string:] William J. Dobson Collection[LocalID:] LostWorlds.rdb0017a.bib		776 0_ lo	<relatedItem type="otherFormat"> <name> </name> <recordInfo> <recordIdentifier> </recordIdentifier> </recordInfo> </relatedItem>	
	A reference to a related resource. [DCES] The described Resource is a physical	[none]	Text string or <a href="#">LabeledURI Object</a>	LocalID of another record on this collection		773 0_ ln 773 0_ lo	<relatedItem type="host"> <name> </name> <identifier type="uri"> </identifier> </relatedItem>	
			<a href="#">Unique Identifier</a> of another record on this collection				<relatedItem type="host">	

		resource is a physical or logical part of the referenced resource. [DCQ]	LocalID	<a href="#">Unique Identifier</a> of another record on this collection				773 0_ lo	<name> </name> <recordIdentifier> </recordIdentifier> </recordInfo> </relatedItem>		
	HasPart	A reference to a related resource. [DCES] The described Resource includes the referenced resource either physically or logically. [DCQ]	[none]	Text string or <a href="#">LabeledURI Object</a>				774 0_ ln 774 0_ lo	<relatedItem type="constituent"> <name> </name> <identifier type="uri"> </identifier> </relatedItem>		
			LocalID	<a href="#">Unique Identifier</a> of another record on this collection				774 0_ lo	<relatedItem type="constituent"> <name> </name> <recordInfo> </recordIdentifier> </recordInfo> </relatedItem>		
Resource-DC.Coverage		The spatial location or temporal duration characteristic of the Resource.	[none]	Text string	Madison, WI					Retained in order to accommodate external or legacy data sources which might not specify one of the type qualifiers.	
	Spatial	The spatial location characteristic of the Resource.	[none]	Text string	Madison, WI					<subject> <geographic> or <hierarchicalGeographic>	Geographic hierarchies (city -> state -> country -> continent) should be represented as separate instances of this field, including as much of the hierarchy as is needed to disambiguate the most specific geographic name.
			<a href="#">TGN</a>	Text string	Akureyri Island Europe						
			<a href="#">LCSH</a>	Text string	Madison, Wis.						
			DecLat	Latitude, in decimal degrees	43.00861						
			DecLong	Longitude, in decimal degrees	-89.73833						
				PLSS	Township, range, principle meridian, and optional section	T49NR15W					
Temporal	The temporal duration characteristic of the Resource.	[none]	Text string	Colonial Period							
		<a href="#">AAT</a>	Text string	Late Iron Age							
		<a href="#">W3C-DTF</a>	YYYY-MM-DD format specified in W3C profile of ISO 8601	1960/1969							
Resource-DC.Rights	Ownership	Information about rights held in and over the Resource. [DCES]	[none]	Text string or <a href="#">LabeledURI Object</a>	Copyright © 2004 Board of Regents of the University of Wisconsin System				<accessCondition type="useAndReproduction"> </accessCondition> OR <accessCondition type="restrictionOnAccess"> </accessCondition> OR <accessCondition type="rightsOwnership"> </accessCondition>		
	Terms	Information about terms and conditions for use of the Resource or Media object.	[none]	Text string or <a href="#">LabeledURI Object</a>							
			Handle	valid <a href="#">Handle</a>							
Resource-Media		Digital surrogate for Resource	[none]	<a href="#">Media Object</a>				X	<relatedItem type="otherFormat"> </relatedItem>		
Resource-ExtMedia		External digital surrogate for Resource	[none]	<a href="#">ExtMedia Object</a>				X	<relatedItem type="otherFormat"> </relatedItem>	Used when a complex digital object (i.e., having multiple resolutions available) does not follow internally-defined file and directory naming conventions, for instance by being harvested from a remote collection.	
		Information about									

Resource-Note		Information about the Resource (or its surrogates) not intended for resource discovery.	[none]	Text string	Source text is partially damaged and illegible. (where <i>Resource</i> is an electronic edition)		X	500	1a	<extension> <note> </note> </extension>	Used only for Notes not appropriate for other elements such as <a href="#">Description</a> .	
Resource-Submitter		Entity submitting the Resource to the Collection	[none]	<a href="#">Submitter Object</a>			X	X	720	1a	<extension> <submitter> </submitter> </extension>	
Resource-Update		Date and time of last modification to the metadata	<a href="#">W3C-DTF</a>	YYYY(-MM(-DD)) format specified in W3C profile of ISO 8601	2003-07-01		X				<recordInfo> <recordChangeDate encoding="w3cdtf"> </recordChangeDate> </recordInfo>	Values should be created and maintained by processing applications.

**Object: Media**

Data Element												
Name	Type	Definition	Scheme	Format	Example	Req/Rep	Req	Rep	MARC	Crosswalk	Comments	
										MARC	MODS	
Resource-ID		Unique identifier ( <a href="#">DC.Identifier.LocalID</a> ) for Resource		Text string, composed of characters valid for <a href="#">URN Namespace Specific String</a>	NoLenMadsn	X					<recordInfo> <recordIdentifier> </recordIdentifier> </recordInfo>	Foreign key from <a href="#">Resource</a>
Media-Sequence-No		Sequencer for Media or ExtMedia object; unique within scope of Resource identified by <a href="#">Resource-ID</a> .		Number: 2 digits, zero-padded.	03	X					<extension> <mediaString n="?"> </mediaString> </extension>	This should start with 01 for the first Media object for the Resource, and continue in unbroken sequence through the last. If Media objects are added or removed, the sequence must be recalculated. These values may be created during preprocessing.
Media-Base-Path		File system path to all objects of this <i>Media-DC.Format</i> for the parent Collection		Text string: directory names, separated by (and ending with) forward slash (/)	/db/otmap/LostWorlds/htdocs/data/images/	X			856ld Component of 856lu		<extension> <mediaString> <basePath> </basePath> </mediaString> </extension>	Determined dynamically by interface software
Media-Local-Path		File system path to this object, starting from <i>Media-Base-Path</i>		Text string: directory names, separated by (and ending with) forward slash (/)	dobson/04/	X			856ld Component of 856lu		<extension> <mediaString> <localPath> </localPath> </mediaString> </extension>	This should <i>not</i> include any predefined resolution-specific directories such as thumb, reference, etc.
Media-Object-ID		Object identifier; must be unique within Collection		Text string	db0429a	X			024 500		<extension> <mediaString> <objectID> </objectID> </mediaString> </extension>	
Media-Num-Components		Number of serial components of this object		Number	1						<extension> <mediaString> <numComponents> </numComponents> </mediaString> </extension>	Used for series of media files, when the series <i>taken as a whole</i> represents the Media object; default is "1".
Media-Relative-Size		Relative size(s) available for this object		One of <a href="#">predefined values</a> (i t r l x s h)	r	X	X				<extension> <mediaString> <relativeSize> </relativeSize> </mediaString> </extension>	This refers to a defined (and extensible) set of relative sizes only, not absolute resolutions such as pixel dimensions or sampling rates. In some contexts, multiple values may be separated by a vertical bar ( ). Used in conjunction with <i>Media-DC.Format</i> to locate appropriate file; defaults are "r" for images and audio.
												Supported types are: <ul style="list-style-type: none"> <li>• application/pdf</li> <li>• audio/mpeg</li> <li>• audio/x-pn-realaudio (sometimes used for Real Video)</li> <li>• image/jp2 (planned)</li> <li>• image/jpeg</li> </ul>

Media-DC.Format		MIME type of Media object	<a href="#">MIME</a>	Valid <a href="#">MIME Media Type</a>	image/jpeg		X		8561q	<extension> <mediaString> <dc.format> </dc.format> </mediaString> </extension>	<ul style="list-style-type: none"> <li>video/mpeg</li> <li>video/quicktime</li> <li>video/vnd.rn-realvideo</li> </ul> <p>Values should be available in application server's mime.types file. Note that in the case of streamed media (including video), the Media object will usually consist of a .ram metafile (audio/x-pn-realaudio).</p>
Media-Label		Display label associated with Media object		Text string	Cover image				8561z	<extension> <mediaString> <label> </label> </mediaString> </extension>	Text should serve to distinguish multiple media objects described by a single Resource record.
Media-DC.Rights		Information about rights held in and over the Media object. [DCES]	[none]	Text string or <a href="#">LabeledURI Object</a>	Copyright © 2001 Board of Regents of the University of Wisconsin System						<p><b>Note:</b> The only values currently supported at this level are Terms statements with the scheme Handle.</p> <p>Current Handle values are:</p> <ul style="list-style-type: none"> <li>1711.policy/UnrestrictedReadAccess</li> <li>1711.policy/UWMadisonReadAccess</li> <li>1711.policy/UWSystemReadAccess</li> </ul>
	Ownership	Information about owner of rights held in and over the Resource or Media object.	[none]	Text string or <a href="#">LabeledURI Object</a>			X	540 __ la 856 42 lu ly	<extension> <mediaString> <dc.rights> </dc.rights> </mediaString> </extension>		
	Terms	Information about terms and conditions for use of the Resource or Media object.	[none]	Text string or <a href="#">LabeledURI Object</a>							
			Handle	valid <a href="#">Handle</a>							

**Object: ExtMedia**

Data Element						Req/Rep		Crosswalk		Comments
Name	Type	Definition	Scheme	Format	Example	Req	Rep	MARC	MODS	
Resource-ID		Unique identifier ( <a href="#">DC.Identifier.LocalID</a> ) for Resource		Text string, composed of characters valid for URN <a href="#">Namespace Specific String</a>	No1enMadsn	X			<recordInfo> <recordIdentifier> </recordIdentifier> </recordInfo>	Foreign key from <a href="#">Resource</a>
ExtMedia-Sequence-No		Sequencer for ExtMedia object; unique within scope of Resource identified by <a href="#">Resource-ID</a> .		Number: 2 digits, zero-padded.	03	X	†			This should start with 01 for the first ExtMedia or Media object for the Resource, and continue in unbroken sequence through the last. If ExtMedia or Media objects are added or removed, the sequence must be recalculated. These values may be created during preprocessing.
ExtMedia-Object-ID		Object identifier; must be unique within Collection		Text string	Tuer01dLdn.1	X		024 500		
ExtMedia-DC.Format		MIME type of ExtMedia object	<a href="#">MIME</a>	Valid <a href="#">MIME Media Type</a>	image/jpeg	X		8561q		<ul style="list-style-type: none"> <li>application/pdf</li> <li>audio/mpeg</li> <li>audio/x-pn-realaudio (also used for Real Video)</li> <li>image/jp2 (planned)</li> <li>image/jpeg</li> <li>video/mpeg</li> <li>video/quicktime</li> </ul> <p>Values should be available in application server's mime.types file.</p>
ExtMedia-Derivative		<a href="#">Derivative Object</a>								
ExtMedia-Label		Display label associated with ExtMedia object		Text string	Cover image				8561z	Text should serve to distinguish multiple Media or ExtMedia objects described by a single Resource record.

ExtMedia-DC.Rights		Information about rights held in and over the ExtMedia object. [DCES]	[none]	Text string or LabeledURI Object	Copyright © 2005 Board of Regents of the University of Wisconsin System							<b>Note:</b> The only values currently supported at this level are Terms statements with the scheme Handle. Current Handle values are: <ul style="list-style-type: none"> <li>• 1711.policy/UnrestrictedReadAccess</li> <li>• 1711.policy/UWMadisonReadAccess</li> <li>• 1711.policy/UWSystemReadAccess</li> </ul>
	Ownership	Information about owner of rights held in and over the ExtMedia object.	[none]	Text string or LabeledURI Object		X	540 __ la	<extension> <mediaString>				
	Terms	Information about terms and conditions for use of the ExtMedia object.	[none]	Text string or LabeledURI Object			856 42 lu	<dc.rights> </dc.rights>				

**Object: Derivative**

Data Element						Req/Rep	Crosswalk			Comments
Name	Type	Definition	Scheme	Format	Example	Req	Rep	MARC	MODS	
Derivative-Relative-Size		Relative size of this Derivative object		One of predefined values { t r l x s h }		X				This refers to a defined (and extensible) set of relative sizes only, not absolute resolutions such as pixel dimensions or sampling rates. Defaults are "r" for images and audio.
Derivative-DC.Identifier		Location of Derivative object	URL	Valid URL	http://libtext.library.wisc.edu/History/data/images/Tuer0ldLn/thumb/001t.gif	X				

**Object: LabeledURI**

Data Element						Req/Rep	Crosswalk			Comments
Name	Type	Definition	Scheme	Format	Example	Req	Rep	MARC	MODS	
LabeledURI-Label		A brief label describing the target of a URI	[none]	Text string	Historical Primary Sources				*varies	Value will be displayed before the URI it describes, but will not itself be part of link.
LabeledURI-URI		A URI linking to an external resource.	URL	valid URL	http://digital.library.wisc.edu/1711.dl/HistPriSrc	X			*varies	The URI will be both displayed and linked.

**Object: Submitter**

Data Element						Req/Rep	Crosswalk			Comments
Name	Type	Definition	Scheme	Format	Example	Req	Rep	MARC	MODS	
Submitter-Name		The personal or corporate name of the submitting agency	AACR2	Text string in AACR2/LCNAF form or a form consistent with AACR2/LCNAF practice (for most languages last name, first name, middle initial, dates)	Ringler, Dick University of Wisconsin--Madison. African Studies Program.	X		720 __ la	<extension> <submitter> <name> </name> </submitter> </extension>	
Submitter-Affiliation		The affiliation of the Submitter-Name.	AACR2	Text string in AACR2/LCNAF form or a form consistent with AACR2/LCNAF practice (for most languages last name, first name, middle initial, dates)	University of Wisconsin--Madison. Department of Scandinavian Studies.	X†		720 __ la	<extension> <submitter> <affiliation> </affiliation> </submitter> </extension>	

† when applicable

**Key to heading abbreviations**

Req	Required
Rep	Repeatable
MARC	Machine-Readable Cataloging record

**Key to sizes**

For images:

t	Thumbnail
r	Reference
l	Large
x	Extra Large

For sound:

s	Sample
l	Low (resolution, bandwidth, quality...)
r	Reference (esp. for multiple bit-rate streaming)
h	High (resolution, bandwidth, quality...)

Note that the same value can have different interpretations, depending on the MIME type.

**Contributors**

This document is the result of a number of meetings held in the winter and spring of 2001, and subsequent discussions. Participants include:

- Jaqui Alvarez
- Cate Cooney
- Charles Dean
- Sue Dentinger
- Kirstin Dougan
- Mark Foster
- Amy Glassel
- Peter Gorman (chair)
- Lee Konrad
- Amy Rudersdorf
- Mike Simpson
- Rose Smith
- Jamie Woods

**References**

- [AACR2] Joint Steering Committee for Revision of AACR. *Anglo-American cataloguing rules, second edition* Chicago: American Library Association, 1986. See especially ch. 22, "Headings for Persons", and ch. 24, "Headings for Corporate Bodies".
- [AAT] Getty Research Institute. *Art & Architecture Thesaurus Introductory Page (Getty Vocabulary Program)*  
<URL: [http://www.getty.edu/research/conducting\\_research/vocabularies/aat/](http://www.getty.edu/research/conducting_research/vocabularies/aat/)>
- [DCES] Dublin Core Metadata Initiative. *Dublin Core Element Set, Version 1.1 – Reference Description*  
<URL: <http://dublincore.org/documents/dces/>>
- [DCBC] Dublin Core Metadata Initiative. *DCMI Metadata Terms [bibliographicCitation]*  
<URL: <http://dublincore.org/documents/dcmi-terms/#bibliographicCitation>>
- [DCQ] Dublin Core Metadata Initiative. *Dublin Core Qualifiers*  
<URL: <http://dublincore.org/documents/dcmes-qualifiers/>>
- [DCT1] Dublin Core Metadata Initiative. *DCMI Type Vocabulary*  
<URL: <http://dublincore.org/documents/dcmi-type-vocabulary/>>
- [Handle] Corporation for National Research Initiatives. *Handle Syntax*  
<URL: <http://digital.library.wisc.edu/4263537/4072>>
- [ISBN] International ISBN Agency. *What is an ISBN*  
<URL: <http://www.isbn.spk-berlin.de/html/whatis.htm>>
- [ISSN] ISSN International Centre. *Basic explanations about the ISSN (International Standard Serial Number)*  
<URL: <http://www.issn.org/brochure/issnbroc.htm>>
- [ISO639-2] Library of Congress. *Codes for the representation of names of languages (ISO 639-2)*  
<URL: <http://www.loc.gov/standards/iso639-2/langcodes.html>>
- [LCSH] Library of Congress. *Library of Congress subject headings* Washington: Library of Congress, 1975-
- [MESH] U.S. National Library of Medicine. *Medical Subject Headings*.  
<URL: <http://www.nlm.nih.gov/mesh/meshhome.html>>
- [MIME] Internet Engineering Task Force Working Group on RFC 822 Extensions. *Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types (RFC 2046)*  
<URL: <ftp://ftp.isi.edu/in-notes/rfc2046.txt>>
- [TGM] Library of Congress. *LC Thesaurus for Graphic Materials I: Subject Terms (TGM I)*  
<URL: <http://www.loc.gov/rr/print/tgm1/>>



- [TGN] Getty Research Institute. *Getty Thesaurus of Geographic Names (Research at the Getty)*  
<URL: <http://www.getty.edu/research/tools/vocabulary/tgn/>>
- [URL] Berners-Lee, Tim; Masinter, Larry; McCahill, Mark. *Uniform Resource Locators (URL) (RFC 1738)*  
<URL: <http://ftp.ics.uci.edu/pub/ietf/rfc1738.txt>>
- [URN] Moats, Ryan. *URN Syntax (RFC 2141)*  
<URL: <http://www.ietf.org/rfc/rfc2141.txt>>
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