MARC to Dublin Core Crosswalk

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Table of Contents

I. Introduction

The following is a crosswalk between core MARC 21 bibliographic data elements and elements in the Dublin Core Element Set. It may be used in conversion of metadata from MARC into Dublin Core. Since MARC is richer in data than Dublin Core, it differs from the Dublin Core to MARC Crosswalk in that multiple MARC fields are mapped to a Dublin Core element. The Dublin Core to MARC crosswalk maps a Dublin Core element to a single MARC field. In both crosswalks there are different mappings for Dublin Core simple or qualified. Not all possible MARC fields are included in this mapping, but only those considered useful for broad cross-domain resource discovery. Applications may wish to include other MARC elements that are prevalent in their data but are not listed here, or they may not include all that are listed.

MARC 21 fields are listed by field number with specific subfields if applicable. In many cases specific subfields are not provided, since applications may differ in subfields used. Applications may not need control subfields such as $2, $5. Notes concerning implementation are given. Further information about the mapping is given at the end of the document. Definitions of MARC elements may be found at the MARC Bibliographic format site and definitions of Dublin Core elements from the Dublin Core Metadata Element Set Reference Description, Version 1.1 and DCMI Metadata Terms.

Note that it is not expected that round-trip mapping is possible using this crosswalk. Once MARC data is converted to Dublin Core, not enough information is retained to allow for mapping back to MARC accurately. This is inevitable when mapping a complex set of data elements to a simpler set. Where a tag is used in mapping to more than one DC element, a decision may need to be made which Dublin Core element to map it to.

II. MARC to Dublin Core Crosswalk (Unqualified)

Conventions:
1. "$" is used to specify the subfield used. If none is specified, use all subfields.
2. DC element is repeated if multiple MARC fields are used.

MARC fields	DC Element	Implementation Notes
100, 110, 111, 700, 710, 711	Contributor	

MARC fields	DC Element	Implementation Notes
720		
651, 662	Coverage	
751, 752		
	Creator	Creator element not used.
008/07-10	Date	
260cg		
500-599, except 506, 530, 540, 546	Description	
340	Format	
856$q		
020$a, 022$a, 024$a	Identifier	
856$u		
008/35-37	Language	
041abdefghj		
546		
260ab	Publisher	
530, 760-787ot	Relation	
506, 540	Rights	
534$t	Source	
786ot		
050, 060, 080, 082	Subject	
600, 610, 611, 630, 650, 653		
245, 246	Title	Repeat dc:title for each. Some applications may wish to include 210, 222, 240, 242, 243, and 247.
Leader06, Leader07	Type	See Appendix 2 for Leader-Type rules.
655		

III. MARC to Dublin Core Crosswalk (Qualified)

MARC fields	DC Element	DC Qualifier(s)	Implementation Notes
541$c	Accrual Method		
310$a	Accrual Periodicity		
521	Audience		

100, 110, 111, 700, 710, 711$e	Contributor	Value in $e.	Roles may be used as refinements of Contributor if using qualified DC. See "Roles" note below.
720$e			
255, 034	Coverage	Spatial	Some 255 information equivalent to DC encoding scheme but different syntax.
522			
650$z, 651, 662			
751, 752			
043$c,044$c	Coverage	Spatial ISO3166	
651 if ind2=7 & $2=tgn		Spatial TGN	
033$a	Coverage	Temporal	
533$b			
260$c if precedes date	Date	Copyrighted	
542$g			This field was defined in MARC in January 2008.
260cg	Date	Created	
533$d			
008/07-10	Date	Issued	
260$c			
046$j	Date	Modified	
046mn	Date	Valid	
520 if ind1=# or 3	Description	Abstract	
505	Description	TableofContents	
300$a	Format	Extent	
533$e			
856$q		IMT	
340$a		Medium	
856$u	Identifier	URI	
008/35-37	Language	IS0369-2	
041 with no $2		ISO639-2	
041 with $2=iso639-3		ISO639-3	
041 with		RFC1766	

$2=rfc1766			
041 with $2=rfc3066		RFC3066	
041 with $2=rfc4646		RFC4646	
561	Provenance		
530 776nt	Relation	HasFormat	
530$u 776$o	Relation	HasFormat URI	
774nt	Relation	HasPart	
774$o	Relation	HasPart URI	
775nt	Relation	HasVersion	
775$o	Relation	HasVersion URI	
530 776nt	Relation	IsFormatOf	
530$u 776$o	Relation	IsFormatOf URI	
440, 490, 800, 810, 811, 830 760, 773nt	Relation	IsPartOf	
760, 773$o	Relation	IsPartOf URI	
510	Relation	IsReferencedBy	
785nt	Relation	IsReplacedBy	
785$o	Relation	IsReplacedBy URI	
775,786nt	Relation	IsVersionOf	
775, 786$o	Relation	IsVersionOf URI	
780nt	Relation	Replaces	
780$o	Relation	Replaces URI	
538	Relation	Requires	
506ad	Rights	AccessRights	

540ad			
542$d	Rights	RightsHolder	This field was defined in MARC in January 2008.
786$o	Source	URI	
082	Subject	DDC	
050	Subject	LCC	
600, 610, 611, 630, 650 if ind2=0	Subject	LCSH	
600, 610, 611, 630, 650 if ind2=2	Subject	MeSH	
060	Subject	NLM	
655 if ind2=7 & $2=tgn	Subject	TGN	
080	Subject	UDC	
245	Title		
130, 210, 240, 242, 246, 730, 740	Title	Alternative	
Leader06, Leader07	Type	DCMI Type Vocabulary	See Appendix 2 for Leader-Type rules.
655 if $2=dct			

Appendix 1--Notes

DC Refinements and encoding schemes. Some DC refinements or encoding schemes have not been included because they are not generally found or can not be specifically identified in MARC data. Examples include DCMI Point, DCMI Box and Mediator.

Roles. Those roles in the MARC Relators list that indicate that they refine "Contributor" may be used in qualified DC. See: Relator Terms and Dublin Core Elements.

Appendix 2 - Conversion rules for Leader06 - dc:Type mapping

Multiple Type fields may be used; conversions below may result in 2 or 3 Type fields. There are several additional sources of type information in the MARC record; only coded values in Leader/06 and Leaader/07 are detailed in this chart. Field 655 may also be used for more specific type information.

Leader/06 value	Leader/07 value	Type value
a,c,d,t		text
e,f,g,k		image
i,j		sound
m,o,p,r		no type provided
p	c,s	collection

Institutions may want to consider generating additional type values, such as "map" or "cartographic" for codes e or g; "musical notation" for codes c or d, etc.

Go to:

> [Dublin Core to MARC Crosswalk](#)
> [MARC Home Page](#)
> [Library of Congress Home Page](#)

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