

# Mapping MARCXML data to Dublin Core

## 1 About this document

### **Author**

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### **Purpose**

This technical report outlines the way in which the EndNote to Fedora data migration scripts map fields in the MARCXML data to Dublin Core metadata.

### **Audience**

RUBRIC Project Partners and other users of EndNote and Fedora

### **Requirements**

An understanding of the structure of MARC tags and how they're represented in MARCXML

An understanding of the structure of the OAI compliant Dublin Core metadata

### **References**

RUBRIC Technical Report: Migrating EndNote data to Fedora

Official EndNote website

<http://www.endnote.com/>

Official ARROW Project website

<http://www.arrow.edu.au/>

Official MARCXML website at the Library of Congress

<http://www.loc.gov/standards/marcxml/>

Official Open Archives Initiative (OAI) Dublin Core Specification

<http://www.openarchives.org/OAI/openarchivesprotocol.html#dublincore>

### **Notes**

## 2 Background Information

In preparation for the EndNote to Fedora data migration it was necessary to map the available fields in the MARCXML data to the fields specified by the Open Archives Initiative implementation of the Dublin Core metadata standard. The map also had to take into consideration the requirements of the ARROW project.

The map outlined below was developed using the MARCXML templates provided by the ARROW project, and the “central register” a spreadsheet containing metadata guidelines for a variety of items.

The map deviates slightly from the specifications provided by the central register. Two notable deviations are that:

- There is one dc.subject field created for each subject. The existing ARROW guidelines produce one dc.subject field containing all subjects
- The order of information in some of the fields is different. For example the dc.publisher field has the publishers name appearing before the place of publication

These differences mean that if the Dublin Core metadata is regenerated by the VITAL manager the resulting metadata will not adhere to the map outlined in this technical report.

## 3 MARCXML to Dublin Core map

### 3.1 Data map definitions

The MARCXML to Dublin Core map contains the following columns:

**MARC Field**

The MARC field as specified by the ARROW template

**MARC Subfield**

The MARC subfield as specified by the ARROW template

**Description**

The description of the field

**OAI Dublin Core Field**

The OAI Dublin Core field

## 3.2 MARCXML to Dublin Core mapping

MARC Field	MARC Subfield	Description	OAI DC
245			
	a	Item Title	DC:Title
100			
	a	Author Name	DC:Creator
	u	Author's organisation	Concatenation of the \$a and \$u subfields is used to form the value of the field
700			
	a	Author Name	DC:Creator
	u	Author's Organisation	Concatenation of the \$a and \$u subfields is used to form the value of the field
710			
	a	University Name	DC:Creator
	b	Faculty / School / Dept	Concatenation of the \$a and all \$b subfields, if any, is used to form the value of this field
520			
	a	Abstract	DC:Description
260			
	a	Place of publication	DC:Publisher
	b	Publisher	Concatenation of the \$b and \$a subfields is used to form the value of this field
	c	Year of publication	DC:Date
787			
	t	Journal Title	DC:Relation
540			
	a	Copyright statement	DC:Rights
856			
	u	URL to publishers copy	DC:Identifier
653			
	a	Keyword	DC:Subject

<b>MARC Field</b>	<b>MARC Subfield</b>	<b>Description</b>	<b>OAI DC</b>
655			
	a	Item type	DC:Type
773			
	t	Repository Collection Title	DC:Relation
591			
	a	DEST collection year	DC:Description
592			
	a	DEST category	DC:Description
711			
	a	Conference Title	DC:Relation
013			
	a	Primary Patent Number	DC:Subject



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