
OpenEdition MARC Records Documentation

Release 1

Clément Corbin

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OpenEdition provides bibliographic metadata for the documents published on [OpenEdition Books](#) and [OpenEdition Journals](#) as [MARC records](#). Alternatively, OpenEdition metadata can be harvested using [OpenEdition OAI-PMH repository](#).

OpenEdition MARC records are provided in [UNIMARC](#) or [MARC21](#) formats. Files provided are [ISO 2709](#) compliant.

This documentation describes the specific elements related to OpenEdition but does not include a complete description of MARC specifications.

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- *Overview*
 - *Separator characters & graphical representation*
 - *Record identification*
 - *Example record*

MARC stands for **MA**chine **R**eadable **C**ataloging. This bibliographic metadata format was created by the [Library of Congress](#) to describe its collections and to provide a way to exchange standardized cataloging information between libraries.

1.1 Separator characters & graphical representation

MARC records follow a strict structure, consisting of a **leader**, a **directory** and **variable fields**. This structure relies on the use of separator characters called **record terminator**, **field terminator** and **subfield delimiter**. Those non-printing characters are usually graphically represented by other characters in documentations.

Being ISO 2709 compliant, OpenEdition MARC records use ISO 646 IS1, IS2 and IS3 as separator characters:

ISO 646	Character	Signification	MARC record use	Unicode	Graphical representation
IS1	US	Unit Separator	Subfield delimiter	\u001f	\$
IS2	RS	Record Separator	Field terminator	\u001e	^
IS3	GS	Group Separator	Record terminator	\u001d	\

The use of a record terminator character allows to concatenate multiple records in one `.iso2709` file without line-break nor carriage return.

MARC fields may be identified by indicators which may contain whitespaces. Indicators whitespaces will be graphically represented in this documentation as underscores (_).

1.2 Record identification

MARC records are identified by a unique identifier, located in field 001 in UNIMARC and MARC21. In OpenEdition records, this identifier is made of three groups of characters, separated by hyphens.

- First group indicates on which OpenEdition platform the resource is located: possible values are OB and OJ, standing for OpenEdition Books and OpenEdition Journals.
- Second group designates whether the publisher (if the resource is a book) or the journal.
- Third group is a numeric identifier for the resource itself. Third group is omitted if the resource is a journal.

Hence, a record of which field 001 is OB-pur-49456 (see example below) would correspond to item 49456 published by publisher pur (Presses Universitaires de Rennes) on OpenEdition Books. Then, matching URL for this resource is <https://books.openedition.org/pur/49456>

All records issued by OpenEdition are identified by its cataloging agency code FrMaCLE, standing for **France - Marseille - Centre pour L'Édition électronique Ouverte**. This information is located in field 040\$a in MARC21 and in field 801\$b in UNIMARC.

1.3 Example record

For illustrative purposes, here is a Marc21 record from OpenEdition Books, with separator characters substituted by their graphical representation and line-breaks added for readability. First line contains leader (first 24 octets) and directory, next lines are variable fields:

```
03061    a2200517    _
↳45000010013000000030008000130050009000210070015000300080041000450200018000860400015001040410008001
↳
OB-pur-49456^
FrMaCLE^
20180306^
cu |||||m|||^
000000e|||||||xx ||||s|||||||0|fre|d^
$a9782753559936^
$aFR-FrMaCLE^
$afre^
1 $aBonfante, Larissa^
00$aÉtrusques$bLes plus heureux des hommes$cDominique Frère, Laurent Hugot^
$aRennes$bPresses universitaires de Rennes$c2018^
$a367-XVI p.^
$aEbook^
$a« Les plus religieux des hommes. » La célèbre formule de Tite-Live a forgé l'idée
↳d'un peuple étrusque empreint de religiosité et particulièrement attentif au
↳respect des rituels religieux et funéraires. Les tombes aux fresques étonnantes, à
↳l'architecture monumentale et au riche matériel participent à cette vision d'une
↳civilisation soucieuse de vénérer ses dieux et d'honorer ses morts. Mais une
↳civilisation se révèle toujours plus riche et complexe que ce qu'en laissent les
↳témoignages écrits de ceux qui l'ont côtoyée, affrontée sans vraiment la connaître.
↳Pour approcher la réalité quotidienne et spirituelle de ce que fut la vie des
↳Étrusques, loin des stéréotypes qui en font une société figée dans des croyances
↳morbides et des pratiques rituelles contraignantes, il est vital de changer de
↳regard. Il faut observer, embrasser l'immense patrimoine culturel qu'il (continues on next page)
↳légué avec une curiosité insatiable, une volonté de comprendre au-delà des
↳simplifications et exagérations, des condamnations morales laissées par les Grecs
↳et les Latins. Ce livre est un hommage à Jean-René Jannot, étruscos. Chapter 1 Overview
↳qui a su avec bonheur transmettre un savoir, une passion pour un peuple si proche
↳par la géographie mais si différent de nous. Le sous-titre « Les plus heureux des
↳hommes » désigne les Étrusques bien-sûr mais aussi toutes celles et tous ceux qui
↳ont eu la chance de travailler avec Jean-René Jannot à la réhabilitation d'une des
```


(continued from previous page)

```
4$aAntiquité^
4$aÉtrusques^
4$aAnthropologie historique^
1 $aBouke van der Meer, L.^
1 $aBriquel, Dominique^
1 $aCamporeale, Giovannangelo^
1 $aCherici, Armando^
1 $aColas-Rannou, Fabienne^
1 $aGaultier, Françoise^
1 $aGran-Aymerich, Jean^
1 $aHaack, Marie-Laurence^
1 $aHaumesser, Laurent^
1 $aJolivet, Vincent^
1 $aJoncheray, Claire^
1 $aLubtchansky, Natacha^
1 $aMaffre, Jean-Jacques^
1 $aMassa-Pairault, Françoise-Hélène^
1 $aPiel, Thierry^
1 $aSanrot, Jacques^
1 $aSanrot, Marie-Hélène^
1 $aThuillier, Jean-Paul^
1 $aWhitehead, Jane K.^
1 $aFrère, Dominique^
1 $aHugot, Laurent^
0 $x2111-496X^
$z9782753534360^
4 $uhttp://books.openedition.org/pur/49456$yÉtrusques^\
```


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2.1 Complete MARC records

Anyone can freely download a full record of OpenEdition MARC metadata, consisting of all records concatenated in one file. For each available format (UNIMARC & MARC21), four files are available:

- **OpenEdition Journals Collections** This record provides bibliographic metadata for all journals published on OpenEdition Journals:
 - <http://marc.openedition.org/openedition-journals-collections-UNIMARC.iso2709> (UNIMARC)
 - <http://marc.openedition.org/openedition-journals-collections-MARC21.iso2709> (MARC21)
- **OpenEdition Journals Issues** This record provides bibliographic metadata for all journals issues published on OpenEdition Journals:
 - <http://marc.openedition.org/openedition-journals-issues-UNIMARC.iso2709> (UNIMARC)
 - <http://marc.openedition.org/openedition-journals-issues-MARC21.iso2709> (MARC21)
- **OpenEdition Books** This record provides bibliographic metadata for all books published on OpenEdition Books:
 - <http://marc.openedition.org/openedition-books-UNIMARC.iso2709> (UNIMARC)
 - <http://marc.openedition.org/openedition-books-MARC21.iso2709> (MARC21)

- **All OpenEdition** Alternatively, one may download a compressed folder (zip file) containing all three dumps described above:
 - <http://marc.openedition.org/all-openedition-unimarc.zip> (UNIMARC)
 - <http://marc.openedition.org/all-openedition-marc21.zip> (MARC21)

2.2 Selected MARC records

Note: Access to specific MARC records is only available for authorized users ([OpenEdition Freemium partners](#))

OpenEdition offers to its partners the possibility to specifically download MARC records for the content they subscribed to. This can be achieved connecting to the [Library Back Office](#).

2.3 Z39.50

Note: Access to OpenEdition Z39.50 server is only available for authorized users ([OpenEdition Freemium partners](#))

OpenEdition also provides a [Z39.50 Server](#), fed daily by our MARC metadata. Server can be queried for UNIMARC and MARC21 formats, depending on selected port:

- marc.openedition.org:9999 (UNIMARC)
- marc.openedition.org:9998 (MARC21)

CHAPTER 3

UNIMARC records

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- *UNIMARC records*
 - *Books*
 - *Journals*
 - *Journals issues*

This page provides a full description of OpenEdition UNIMARC records metadata structure, *i.e.* mapping between UNIMARC fields & subfields and OpenEdition bibliographic metadata.

3.1 Books

3.1.1 Available fields

The following fields are used for books description : 001, 010, 100, 101, 200, 210, 230, 310, 330, 336, 337, 452, 610, 615, 701, 801, 856

3.1.2 Fields description

Field	Indicator	Subfield	Metadata desc
001			Record identifier (identification)
010		a	Electronic ISBN
100		a	General processing
101		a	Publication language

Field	Indicator	Subfield	Metadata desc
200		a	Book title
		b	Document type:
		d	Parallel title (opt
		e	Book subtitle (op
		f	First mention of scientific editor)
		g	Head of publicat
		z	Language of sub
210		a	Place of publicat
		c	Publishing instit
		d	Online publicati
230		a	Electronic resou
310		a	Access policy:
			Value
			<i>L'accès complet au document est ouvert à tous dans sa version imprimée et en ligne. L'accès complet au document est réservé aux usagers des établissements qui en ont fait l'acquisition.</i>
			<i>L'accès complet au document est réservé aux usagers des établissements qui en ont fait l'acquisition.</i>
330		a	Book abstract (li
336		a	Type of electron
337		a	Required configu
452	_0 do not make a note		Other edition (print):
		c	Place of publicat
		n	Publishing instit
		y	Print ISBN
610	0_ level of subject term not specified	a	Uncontrolled sub
615		a	Controlled categ
701	_1 name entered under surname		Mention of responsibility:
		a	Surname
		b	First name
		4	Function codes:
			70
			340
651			
730			
801	_0 function: original cataloging agency	a	Metadata source
		b	Cataloging agen
		c	Resource last up
856	4_ access method: HTTP	u	Uniform Resour
		2	Display title for

3.2 Journals

3.2.1 Available fields

The following fields are used for journals description : 001, 011, 100, 101, 200, 210, 230, 330, 801, 856

3.2.2 Fields description

Field	Indicator	Sub-field	Metadata description
001			Record identifier (see the <i>Overview</i> section of this documentation for details about OpenEdition Marc records identification)
011		a	Electronic ISSN
100		a	General processing data (control field)
101		a	Publication language (ISO 639-2 code)
200		a	Publication title
210		c	Publishing institution or publisher's name
230		a	Electronic resource characteristics: always contains <i>Données informatiques</i>
330		a	Journal's presentation
801		a	Metadata source: Two letters country code, always contains FR
		b	Cataloging agency: always contains FrMaCLE
856		u	Uniform Resource Identifier
		2	Display title for 856\$u (equals 200\$a)

3.3 Journals issues

3.3.1 Available fields

The following fields are used for journals issues description : 001, 005, 100, 200, 210, 230, 336, 337, 701, 801, 856

3.3.2 Fields description

Field	Indicator	Sub-field	Metadata description	
001			Record identifier (see the <i>Overview</i> section of this documentation for details about OpenEdition Marc records identification)	
005			Last record update (formatted as ISO 8601-1988: YYYYMMDDhhmmss.0)	
100		a	General processing data (control field)	
200		a	Issue title	
		b	Document type: always contains <i>Ressource électronique</i>	
		d	Parallel title (optional subfield)	
		e	Issue subtitle (optional subfield)	
		f	First mention of responsibility: Subfield repeated for each possible role (main contributor, author, translator and scientific editor). Inside of each subfield, contributors are concatenated and separated by commas	
		g	Head of publication (optional subfield, repeated for each contributor)	
		z	Language of subfield 200\$d parallel title, if present (optional subfield)	
210		a	Place of publication or [S. I.] if data not available	
		c	Publishing institution or publisher's name	
		d	Online publication date (ISO 8601: YYYY-MM-DDThh:mm:ssZ)	
230		a	Electronic resource characteristics: always contains <i>Données textuelles</i>	
336		a	Type of electronic resource: always contains HTML	
337		a	Required configuration for accessing resource: always contains <i>Navigateur Web</i>	
701	_1 name entered under surname	Mention of responsibility: one 701 field per contributor		
		a	Surname	
		b	First name	
		4	Function codes:	
			70	Author or main contributor
			340	Scientific editor
			651	Head of publication
730	Translator			
801	_0 function: original cataloging agency	a	Metadata source: Two letters country code, always contains FR	
		b	Cataloging agency: always contains FrMaCLE	
		c	Resource last update (ISO 8601: YYYY-MM-DDThh:mm:ssZ)	
856	4_access method: HTTP	u	Uniform Resource Identifier	
		2	Display title for 856\$u (equals 200\$a)	

MARC21 records

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This page provides a full description of OpenEdition MARC21 records metadata structure, *i.e.* mapping between MARC21 fields & subfields and OpenEdition bibliographic metadata.

4.1 Books

4.1.1 Available fields

The following fields are used for books description : 001, 003, 005, 007, 008, 020, 040, 041, 100, 245, 260, 300, 500, 520, 650, 700, 760, 776, 856

4.1.2 Fields description

Field	Indicator	Sub-field	Metadata description
001			Record identifier (see the <i>Overview</i> section of this documentation for details about OpenEdition Marc records identification)
003			Cataloging agency: always contains FRMaCLE
005			Online publication date (YYYYMMDD)
007			Physical characteristics of electronic resource. Always contains string cu m (unspecified electronic resource, multiple file formats available)
008			Control field
020		a	Electronic ISBN
040		a	Cataloging agency: always contains FR-FRMaCLE
041		a	Publication language (ISO 639-2 code)
100	1_ name entered under surname	a	Main contributor
245	0X where X stands for the number of nonfiling characters	a	Book title
		b	Book subtitle (optional subfield)
		c	Head of publication or scientific editor
260		a	Place of publication or [S . I .] if data not available
		c	Publishing institution or publisher's name
		d	Online publication year
300		a	Number of pages, followed by a whitespace and p . (optional field)
500		a	General note on material: always contains Ebook
520		a	Book abstract (limited to 2000 characters length)
650	_4 level of subject not specified, thesaurus not specified	a	Controlled category (Thomson <i>Institute for Scientific Information</i> classification): one 650 field for each category.
			Uncontrolled subject terms: keywords. One 650 field for each keyword.
700	1_ name entered under surname	a	Contributors: author, head of publication, scientific editor, translator. One 700 field per contributor.
760	0_ display note	x	Electronic ISSN (optional field)
776		z	Print ISBN (optional field)
856	4_ access method: HTTP	e	Author
		u	Uniform Resource Identifier
		y	Display title for 856\$u (equals 245\$a)

4.2 Journals

4.2.1 Available fields

The following fields are used for journals description : 008, 022, 040, 041, 245, 256, 260, 520, 856

4.2.2 Fields description

Field	Indicator	Sub-field	Metadata description
008			Record identifier (see the <i>Overview</i> section of this documentation for details about OpenEdition Marc records identification)
022		a	Electronic ISSN
040		a	Cataloging agency: always contains FR-FrMaCLE
041		a	Publication language (ISO 639-2 code)
245	00	a	Publication title
256		a	Electronic resource characteristics: always contains <i>Données informatiques</i>
260		b	Publishing institution or publisher's name (or [s.n.] if no data available)
520		a	Journal's presentation
856		u	Uniform Resource Identifier
		y	Display title for 856\$u (equals 245\$a)

4.3 Journals issues

4.3.1 Available fields

The following fields are used for journals issues description : 001, 003, 005, 007, 008, 040, 100, 245, 260, 650, 700, 760, 856

4.3.2 Fields description

Field	Indicator	Sub-field	Metadata description
001			Record identifier (see the <i>Overview</i> section of this documentation for details about OpenEdition Marc records identification)
003			Cataloging agency: always contains FrMaCLE
005			Online publication date (YYYYMMDD)
007			Physical characteristics of electronic resource. Always contains string <code>cu m </code> (unspecified electronic resource, multiple file formats available)
008			Control field
040		a	Cataloging agency: always contains FR-FrMaCLE
100	1_ name entered under surname	a	Head of publication or first author
245	0X where X stands for the number of nonfiling characters	a	Journal issue title
		b	Journal issue subtitle (optional subfield)
260		b	Publishing institution or publisher's name
		c	Publication year
650	_4 level of subject not specified, thesaurus not specified	a	Uncontrolled subject terms: keywords. One 650 field for each keyword. (optional field)
700	1_ name entered under surname	a	Name of contributor: one 700\$a subfield per contributor
		e	Contributor's function: always contains <code>author</code>
760	0_ display note	x	Electronic ISSN
856	4_ access method: HTTP	u	Uniform Resource Identifier
		y	Display title for 856\$u (equals 245\$a)

CHAPTER 5

OpenEdition

OpenEdition is a comprehensive digital publishing infrastructure at the service of scientific information in the Humanities and Social Sciences. The [OpenEdition portal](#) includes four publishing and information platforms in the humanities and social sciences: [OpenEdition Journals](#), [OpenEdition Books](#), [Hypotheses](#) (research blogs) and [Calenda](#) (announcements of international academic events). The portal is thus a space dedicated to the promotion of research, publishing tens of thousands of scientific documents that promote open access, while respecting the economic equilibrium of publications.

<https://www.openedition.org>

CHAPTER 6

License



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CHAPTER 7

Need help ?

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CHAPTER 8

Changelog

Will be available with the first version.