



ONIX DOI METADATA FOR MONOGRAPHS

Message specification, Version 2.0, January 2011

This document specifies an ONIX subset with a number of newly-defined elements intended to provide a communication format for metadata related to the registration of DOIs for monographs. The specification allows for the registration of a DOI that is assigned to a monograph-as-work or a DOI that is assigned to a monograph-as-manifestation, ie it gives the option of registering one DOI only, regardless of the different forms – paper or electronic – in which the monograph appears, or of registering separate DOIs for each form.

The specification allows for the registration of both single resolution DOIs and multiple resolution DOIs. A new composite has been added to specify multiple pointers (URI) to the online resources associated with the DOI to which the metadata package refers.

The document also includes a message header and a pair of “start of message” and “end of message” elements. Please see *ONIX for Books – Product Information Message – XML Message Specification* for details of other ONIX XML conventions.

An ONIX Monograph DOI Registration message must carry *either* Monographic Work records only *or* Monographic Manifestation records only. Different message names are used in each case.

Throughout the document, text in dark red is used to indicate content that applies only to monographs-as-works; text in blue-green is used to indicate content that applies only to monographs-as-manifestations; text in light red indicates areas where there are outstanding queries or uncertainties.

Pages 28 to 30 show a simple example of an ONIX Monographic Product DOI Registration message and of an ONIX Monographic Work DOI Registration message.

This ONIX format was developed in association with the [mEDRA](#) Project, supported in its initial stages by the [eContent](#) programme of the European Union, and has been extended to meet additional requirements specified by Nielsen BookData, OPOCE (The Office for Official Publications of the European Communities) and MVB(Marketing- und Verlagsservice des Buchhandels GmbH).

<ONIXDOI MonographicWorkRegistrationMessage>

An ONIX DOI registration metadata message for monographic works is an XML document beginning with an XML label <ONIXDOI MonographicWorkRegistrationMessage xmlns="http://www.editeur.org/onix/DOIMetadata/2.0"> (which includes an XML namespace declaration) and ending with an XML label </ONIXDOI MonographicWorkRegistrationMessage>. The content of the message comprises one mandatory instance of the <Header> composite defined below, and one or more instances of the <DOI MonographicWork> record. Separate messages will be used to carry registration metadata for other types of material, eg serial articles.

<ONIXDOI MonographicProductRegistrationMessage>

An ONIX DOI registration metadata message for monographic products is an XML document beginning with an XML label <ONIXDOI MonographicProductRegistrationMessage xmlns="http://www.editeur.org/onix/DOIMetadata/2.0"> (which includes an XML namespace declaration) and ending with an XML label </ONIXDOI MonographicProductRegistrationMessage>. The content of the message comprises one mandatory instance of the <Header> composite defined below, and one or more instances of the <DOI MonographicProduct> record. Separate messages will be used to carry registration metadata for other types of material, eg serial articles.

Header composite

A group of data elements which together constitute a message header.

Reference name <Header>

MMH.1 Sender company name

The name of the sender organization, which should always be stated in a standard form agreed with the addressee. Mandatory and non-repeating.

Format Variable-length ASCII text, suggested maximum 30 characters

Reference name <FromCompany>

Example *Mondadori*

MMH.2 Sender contact

Free text giving the name, department, phone number, etc for a contact person in the sender organization who is responsible for the content of the message. Optional and non-repeating.

Format Variable-length ASCII text, suggested maximum 300 characters

Reference name <FromPerson>

Example *Jackie Brown, 020 7979 6444*

MMH.3 Sender contact email address

A text field giving the email address for a contact person in the sender organization who is responsible for the content of the message. Mandatory and non-repeating.

Format Variable-length ASCII text, suggested maximum 100 characters

Reference name <FromEmail>

Example *jackie.brown@bigpublisher.co.uk*

MMH.4 Addressee company name

The name of the addressee organization, which should always be stated in a standard form agreed with the addressee. Mandatory and non-repeating.

Format Variable-length ASCII text, suggested maximum 30 characters
Reference name <ToCompany>
Example *mEDRA*

MMH.5 Message sequence number

A sequence number of the messages in a series sent between trading partners, to enable the receiver to check against gaps and duplicates. Optional and non-repeating.

Format Variable-length integer,
Reference name <MessageNumber>
Example 1234

MMH.6 Message repeat number

A number which distinguishes any repeat transmissions of a message. The original is numbered 1, and repeats are numbered 2, 3 etc. Optional and non-repeating.

Format Variable-length integer
Reference name <MessageRepeat>
Example 2

MMH.7 Message creation date/time

The date on which the message is sent. Optionally, the time may be added, using the 24-hour clock. Mandatory and non-repeating.

Format Eight or twelve numeric digits only (YYYYMMDD or YYYYMMDDHHMM)
Reference name <SentDate>
Example 200005220230

MMH.8 Message note

Free text giving additional information about the message. Optional and non-repeating.

Format Variable-length ASCII text, suggested maximum 500 characters
Reference name <MessageNote>
Example *New titles to be published September 2003*

End of header composite

<DOIMonographicWork> record

A monographic work is described by a group of data elements beginning with an XML label <DOIMonographicWork> and ending with an XML label </DOIMonographicWork>.

Reference name <DOIMonographicWork>

<DOIMonographicProduct> record

A monographic product is described by a group of data elements beginning with an XML label <DOIMonographicProduct> and ending with an XML label </DOIMonographicProduct>.

Reference name <DOIMonographicProduct>

MMG.1 Notification or update type code

An ONIX code which indicates the type of notification or update which is being sent. Mandatory and non-repeating.

Format Fixed-length, two numeric digits.

Code list 06 New: a new registration request
07 Update: a complete replacement for a record previously sent

Reference name <NotificationType>

Example 06

MMG.2 DOI

Digital Object Identifier. The international identifier for intellectual property in the digital environment. See <http://www.doi.org/>. Mandatory and non-repeating.

Format Variable-length text, suggested maximum length 300 characters.

Reference name <DOI>

Example 10.1006/jmbi.1998.2354

MMG.3 DOI website link

The URL for the primary website to which the DOI will resolve. Mandatory and non-repeating.

Format Variable-length text, suggested maximum length 300 characters

Reference name <DOIWebsiteLink>

Example <http://xyzbooks.com/0123456789.htm>

DOI resolution composite

A group of data elements which together identify and provide pointers (URI) to multiple online resources associated with the DOI, thus enabling the DOI Multiple Resolution service.

The composite is optional, but must be included whenever multiple URI are intended to be associated with the DOI to which the metadata package refers. Non-repeating.

Please refer to *DOI Multiple Resolution Metadata* separate documentation for details on the use of this composite (doi: 10.1392/ONIX_DOI_MR)

Reference name <DOIResolution>

End of DOI resolution composite

Website composite

An optional and repeatable group of data elements which together identify and provide pointers to other webpages associated with the DOI to which the metadata package refers. It is envisaged that the composite will be used to give the URLs associated with particular service types for multiple resolution.

Reference name <Website>

MMG.4 Website purpose

An ONIX code which identifies the role or purpose of the website which is linked through the <WebsiteLink> element. Mandatory and non-repeating.

Format Fixed-length, two numeric digits

Code list **Code values to be defined to cover multiple resolution for different service types**

Reference name <WebsiteRole>

Example

MMG.5 Link to website

The URL for the website. Mandatory in each occurrence of the <Website> composite, and non-repeating.

Format Variable-length text, suggested maximum length 300 characters

Reference name <WebsiteLink>

Example <http://xyzbooks.com/0123456789/service3.htm>

End of website composite

MMG.6 DOI structural type

An IDF value identifying the structural type of the entity to which the DOI in this metadata package is registered. Optional and non-repeating. This element is specified to be optional as it will not necessarily be required in metadata submitted for registration. Instead, it may be generated by the DOI registration agency by mapping from other content.

Format Variable-length character string values defined by IDF

Code list **The only permitted value for DOI registrations for monographic works is *Abstraction***

The permitted values for DOI registrations for monographic products are *PhysicalFixation, DigitalFixation*

Reference name <DOIStructuralType>

Example *PhysicalFixation*

MMG.7 DOI mode

An IDF value identifying the mode of the entity to which the DOI in this metadata package is registered. Optional and non-repeating. This element is specified to be optional as it will not necessarily be required in metadata submitted for registration. Instead, it may be generated by the DOI registration agency by mapping from other content.

Format	Variable-length character string values defined by IDF
Code list	The only permitted value for DOI registrations for monographic works is <i>Abstract</i> The permitted values for DOI registrations for monographic products are <i>Visual, Audio, Audiovisual</i>
Reference name	<DOIMode>
Example	<i>Visual</i>

MMG.8 DOI registrant name

The name of the person or corporate body responsible for registering the DOI to which this ONIX metadata package refers. Mandatory and non-repeating.

Format	Variable-length text, suggested maximum length 100 characters
Reference name	<RegistrantName>
Example	<i>Mondadori</i>

MMG.9 DOI registration authority

An IDF value identifying the registration agency with which the DOI in this ONIX metadata package is registered. Optional and non-repeating. This element is specified to be optional as it will NOT be required in metadata submitted by publishers for registration.

Format	Variable-length character string values defined by IDF
Code list	Values so far defined are: <i>mEDRA, NielsenBookData, OPOCE</i>
Reference name	<RegistrationAuthority>
Example	<i>mEDRA</i>

NOTE: the **<WorkIdentifier>** and **<ProductIdentifier>** composites specified on this and the following page are to be used for additional identifiers by which the monograph which is being registered for DOI assignment is known.

Work identifier composite

A group of data elements which together define the identifier of a work in accordance with a specified scheme, and used here for any additional identifiers for a monograph-as-work. In ONIX DOI registrations for monographs-as-works, one occurrence might carry the ISTC assigned to the work, if known. Optional and repeatable if the work has more than one identifier of different types. Not used in a record for a monograph-as-manifestation.

Reference name <WorkIdentifier>

MMG.10 Work identifier type code

An ONIX code identifying the scheme from which the identifier in the **<IDValue>** element is taken. Mandatory in each occurrence of the **<WorkIdentifier>** composite, and non-repeating.

Format	Fixed-length, 2 numeric digits
Code list	01 Proprietary, eg a publisher's internal work identifier 11 ISTC
Reference name	<WorkIDType>
Example	11

MMG.11 Identifier value

An identifier of the type specified in the **<WorkIDType>** element. Mandatory in each occurrence of the **<WorkIdentifier>** composite, and non-repeating.

Format	According to the identifier type specified in <WorkIDType>
Reference name	<IDValue>
Example	12345678

End of work identifier composite

See note on previous page.

Product identifier composite

A repeatable group of data elements which together define the identifier of a product in accordance with a specified scheme, and allowing new types of product identifier to be included without defining additional data elements. In ONIX DOI registrations for monographic products, the composite is not mandatory, but one occurrence should carry the ISBN assigned to the product, if applicable.

Reference name <ProductIdentifier>

MMG.12 Product identifier type code

An ONIX code identifying the scheme from which the identifier in the <IDValue> element is taken. Mandatory in each occurrence of the <ProductIdentifier> composite, and non-repeating.

Format	Fixed-length, 2 numeric digits
Code list	01 Proprietary, a publisher's or wholesaler's product number 02 ISBN-10 (unhyphenated) 03 EAN-13 15 ISBN-13 (unhyphenated)
Reference name	<ProductIDType>
Example	02

MMG.13 Identifier value

An identifier of the type specified in the <ProductIDType> element. Mandatory in each occurrence of the <ProductIdentifier> composite, and non-repeating.

Format	According to the identifier type specified in <ProductIDType>
Reference name	<IDValue>
Example	12345678

End of product identifier composite

MMG.14 Product form code

An ONIX code which indicates the primary form of the product. Mandatory in a <DOIMonographicProduct> record, and non-repeating. Not used in a <DOIMonographicWork> record.

Format	Fixed-length, two letters
Code list	ONIX List 7: see separate documentation
Reference name	<ProductForm>
Example	BB Hardback book

MMG.15 Epublication format code

An ONIX code identifying the file format of an epublication. Optional in a **<DOIMonographicProduct>** record, and non-repeating; and can occur only if the **<ProductForm>** code is *DG* or *DH*. Not used in a **<DOIMonographicWork>** record.

Format	Fixed-length, 2 numeric digits
Code list	ONIX List 11: see separate documentation
Reference name	<EpubFormat>
Example	02

MMG.16 Epublication format version number

A version number which applies to an epublication format. Optional in a **<DOIMonographicProduct>** record, and non-repeating; and can occur only if the **<EpubFormat>** field is present. Not used in a **<DOIMonographicWork>** record.

Format	Variable-length text, suggested maximum 10 characters
Reference name	<EpubFormatVersion>
Example	2.1

MMG.17 Epublication format description

A free text description of an epublication format. Optional in a **<DOIMonographicProduct>** record, and non-repeating. This element can occur only if the **<ProductForm>** code is *DG* or *DH*; but it does not require the **<EpubFormat>** field to be present. Not used in a **<DOIMonographicWork>** record.

Format	Variable-length text, suggested maximum 200 characters
Reference name	<EpubFormatDescription>
Example	<i>Screen optimized PDF, with low-res figures</i>

Note: The <Series> composite is included here for use in both <DOIMonographicWork> and <DOIMonographicProduct> records, but special care should be taken when deciding whether to use it in a “work” record. **“Series” detail should only be included in a <DOIMonographicWork> record if the work belongs inherently to a series that is grouped under the same collective title even if manifesting in different publications or forms of publication.**

Series composite

A group of data elements which together describe a series of which a monographic work or product is part. Optional, and repeatable if the work or product belongs to more than one series.

Reference name <Series>

Series identifier composite

A repeatable group of data elements which together define an identifier of a series or subseries. The composite is optional, and may only repeat if two or more identifiers of different types are sent. It is not permissible to have two identifiers of the same type. In a <DOIMonographicWork>, the composite is to be used only if the series has an established identifier at “work” level. (ISSNs are correctly assigned at “serial version” level, with a separate ISSN for print and electronic versions.)

Reference name <SeriesIdentifier>

MMG.18 Series identifier type code

An ONIX code identifying the scheme from which the identifier in the <IDValue> element is taken. Mandatory in each occurrence of the <SeriesIdentifier> composite, and non-repeating.

Format Fixed-length, two numeric digits

Code list Selected codes from ONIX List 13:

01 Proprietary

02 ISSN (unhyphenated): in <DOIMonographicProduct> records only

06 DOI

Reference name <SeriesIDType>

Example 01

MMG.19 Identifier type name

A name which identifies a proprietary identifier scheme when, and only when, the code in the <SeriesIDType> field indicates a proprietary scheme, eg a publisher’s own code. Optional and non-repeating.

Format Free text, suggested maximum length 50 characters

Reference name <IDTypeName>

Example Springer

MMG.20 Identifier value

An identifier of the type specified in the **<SeriesIDType>** field. Mandatory in each occurrence of the **<SeriesIdentifier>** composite, and non-repeating.

Format According to the identifier type specified in the **<SeriesIDType>** field.

Reference name <IDValue>

Example 12345678

End of series identifier composite**MMG.21 Series title**

The full title of the series, without abbreviation or abridgement. Non-repeating. The **<TitleOfSeries>** tag may optionally carry any of the following ONIX attributes: *textformat*, *language*, *transliteration*, *textcase*.

Format Variable-length text, suggested maximum length 300 characters

Reference name <TitleOfSeries>

Example *Blue Guides*

End of series composite

Title composite

A group of data elements which together give the text of a title, including a subtitle where applicable, and specify its type. The **<Title>** tag may optionally carry any of the following ONIX attributes: *textformat*, *language*, *transliteration*, *textcase*, where these are shared by all text elements within the composite. The **<Title>** composite is mandatory in each **<DOIMonographicWork>** or **<DOIMonographicProduct>** record, and is repeatable if more than one form of the title is sent.

Reference name **<Title>**

MMG.22 Title type code

An ONIX code indicating the type of a title. Mandatory in each occurrence of the **<Title>** composite, and non-repeating. Additional types of title can be defined by adding code values.

Format	Fixed-length, two numeric digits	
Code list	01	Distinctive title, in full
	05	Abbreviated or truncated title
Reference name	<TitleType>	
Example	01	

MMG.23 Title text

The text of the title specified by the **<TitleType>** code. Mandatory in each occurrence of the **<Title>** composite, and non-repeating.

Format	Variable-length text, suggested maximum 600 characters
Reference name	<TitleText>
Example	<i>Nicholas Nickleby</i>

MMG.24 Subtitle

The full text of a subtitle, if any. "Subtitle" means any added words which appear with the title given in an occurrence of the **<Title>** composite, and which amplify and explain the title, but which are not considered to be part of the title itself. Optional and non-repeating.

Format	Variable-length text, suggested maximum 300 characters
Reference name	<Subtitle>
Example	<i>The Russian Revolution 1891-1924</i>

End of title composite

Contributor composite

A repeatable group of data elements which together describe a personal or corporate contributor to the product.

Each instance of the **<Contributor>** composite must carry at least:

(a) one or more forms of representation of the person name

or:

(b) a **<CorporateName>** element

or:

(c) an **<UnnamedPersons>** element

But combinations of these elements are not permitted.

A new optional element **<NoContributor>** may be used to make a positive statement in an ONIX record that the item has no named authorship.

Reference name **<Contributor>**

MMG.24 Contributor sequence number

A number which specifies a single overall sequence of contributor names. Optional and non-repeating.

Format Variable-length integer, 1, 2, 3 etc, suggested maximum length 3 digits

Reference name **<SequenceNumber>**

Example 3

MMG.25 Contributor role

An ONIX code indicating the role played by a person or corporate body in the creation of the monograph. Mandatory in each occurrence of a **<Contributor>** composite, and may be repeated if the same person or corporate body has more than one role in relation to the monograph.

Format Fixed-length, one letter and two numeric digits

Code list ONIX List 17: see separate documentation

Reference name **<ContributorRole>**

Example A01

MMG.26 Person name

The name of a person who contributed to the creation of the monograph, unstructured, and presented in normal order. Optional and non-repeating: see introductory text for the **<Contributor>** composite above for valid options.

Format Variable-length text, suggested maximum length 100 characters

Reference name **<PersonName>**

Example James J. Johnson III

MMG.27 Person name, inverted

The name of a person who contributed to the creation of the monograph, presented in inverted order, with the element used for alphabetical sorting placed first. Optional and non-repeating: see introductory text for the **<Contributor>** composite above for valid options.

Format Variable-length text, suggested maximum length 100 characters

Reference name <PersonNameInverted>

Example *Johnson, James J., III*

Names before key name

Name(s) and/or initial(s) preceding a person's key name(s), eg *James J.* Optional and non-repeating: see introductory text for the **<Contributor>** composite above for valid options.

Format Variable-length text, suggested maximum length 100 characters

Reference name <NamesBeforeKey>

Example *James J.*

Key name(s)

Key name(s), ie the name elements normally used to open an entry in an alphabetical list, eg *Smith* or *Garcia Marquez* or *Madonna* or *Francis de Sales* (in *Saint Francis de Sales*). Optional and non-repeating: see introductory text for the **<Contributor>** composite above for valid options.

Format Variable-length text, suggested maximum length 100 characters

Reference name <KeyNames>

Example *Johnson*

Name Composite

A group of data elements which together represent a personal name, and specify its type. The **<Name>** composite may be used to send alternate names for the same person, eg. to handle such cases as *Ian Rankin writing as Jack Harvey*. Optional and not repeating.

Reference name <Name>

Person name type

An ONIX code indicating the type of the person name sent in an occurrence of the **<Name>** composite. Mandatory in each occurrence of the composite, and non-repeating.

Format Fixed-length, two numeric digits

Code list ONIX List 18: see separate documentation

Reference name <PersonNameType>

Example *01 Pseudonym*

Other elements in the name composite

Within the **<Name>** composite, all the other forms of representation of the person name may be used in exactly the same way as specified on preceding pages.

End of name composite

NEW- Professional affiliation composite

A repeatable group of data elements which together identify a contributor's professional position and/or affiliation, allowing multiple positions and affiliations to be specified.

Reference name <ProfessionalAffiliation>

NEW- Professional position

A professional position held by a contributor to the product at the time of its creation. Optional and non-repeating.

Format Variable-length text, suggested maximum length 100 characters

Reference name <ProfessionalPosition>

Example *Humboldt Professor of Oceanograph*

NEW- Affiliation

An organisation to which a contributor to the product was affiliated at the time of its creation, and – if the <ProfessionalPosition> element is also present – where s/he held that position. Optional and non-repeating.

Format Variable-length text, suggested maximum length 100 characters

Reference name <Affiliation>

Example *Universidad de La Laguna*

End of Professional affiliation composite**MMG.28 Corporate contributor name**

The name of a corporate body which contributed to the creation of the monograph, unstructured. Optional and non-repeating: see introductory text for the <Contributor> composite above for valid options.

Format Variable-length text, suggested maximum length 200 characters

Reference name <CorporateName>

Example *Good Housekeeping Institute*

NEW - Biographical note

A biographical note about a contributor to the product. Optional and non-repeating. May occur with a person name or with a corporate name. A biographical note in ONIX should always contain the name of the person or body concerned, and it should always be presented as a piece of continuous text consisting of full sentences. Some recipients of ONIX data feeds will not accept text which has embedded URLs.

Format Variable-length text, suggested maximum length 500 characters

Reference name <BiographicalNote>

Example *Example Umberto Eco, professor of semiotics at the University of Bologna, and author of "The Name Of The Rose"*

MMG.29 Unnamed person(s)

An ONIX code allowing a positive indication to be given when authorship is unknown or anonymous, or when as a matter of editorial policy only a limited number of contributors are named. Optional and non-repeating: see introductory text for the **<Contributor>** composite above for valid options.

Format	Fixed-length, two numeric digits
Code list	01 Unknown 02 Anonymous 03 et al (“and others”, when additional contributors are not listed) 04 Various authors (when the monograph combines a number of titles by different authors)
Reference name	<UnnamedPersons>
Example	02 Anonymous

End of contributor composite

No Authorship Indicator

An empty element that provides a positive indication that a product has no stated authorship. Intended to be used in an ONIX accreditation scheme to confirm that author information is being consistently supplied in publisher ONIX feeds. Optional and non-repeating. It should only be sent in a record that has no other occurrence of the **<Contributor>** composite.

Format	XML empty element
Reference name	<NoContributor/>
Example	<NoContributor/>

MMG.30 Edition type code

An ONIX code indicating the type of a version or edition. Optional, and repeatable if the edition has characteristics of two or more types (eg revised and annotated).

Format	Fixed-length, three upper-case letters
Code list	ONIX List 21: see separate documentation
Reference name	<EditionTypeCode>
Example	<i>ILL</i>

MMG.31 Edition number

The number of a numbered edition. Optional and non-repeating. Normally sent only for the second and subsequent editions of a work, but by agreement between parties to an ONIX exchange a first edition may be explicitly numbered.

Format	Variable-length integer, suggested maximum length 4 digits.
Reference name	<EditionNumber>
Example	3

MMG.32 Edition statement

A short free-text description of a version or edition. Optional and non-repeating. When used, the **<EditionStatement>** must carry a complete description of the nature of the edition, ie it should not be treated as merely supplementary to an **<EditionTypeCode>** or an **<EditionNumber>**. The **<EditionStatement>** should describe features of the content of the edition, and should *not* include aspects such as rights or market restrictions (which are covered elsewhere in a full ONIX record).

Format	Variable-length text, suggested maximum length 100 characters.
Reference name	<EditionStatement>
Example	<i>3rd edition, revised with an introduction and notes</i>

Language composite

A group of data elements which together represent a language, and specify its role, used here to represent the language of a monograph. Optional and repeatable.

Reference name	<Language>
----------------	------------

MMG.33 Language role

An ONIX code indicating the "role" of a language in the context of the ONIX record. Mandatory in each occurrence of the **<Language>** composite, and non-repeating.

Format	Fixed-length, two numeric digits
Code list	ONIX List 22: see separate documentation
Reference name	<LanguageRole>
Example	<i>01</i>

MMG.34 Language code

An ISO code indicating a language. Mandatory in each occurrence of the **<Language>** composite, and non-repeating.

Format	Fixed-length, three lower-case letters. Note that ISO 639 specifies that these codes should always be in lower-case.
Code list	ONIX List 74 (ISO 639-2/B three-letter codes): see separate documentation
Reference name	<LanguageCode>
Example	<i>eng</i>

End of language composite

MMG.35 Approximate number of pages

An indication of the total number of pages in a book or other printed product. This is not intended to represent a precise count of numbered and unnumbered pages. It is usually sufficient to take the number from the last numbered page. If there are two or more separate numbering sequences (eg *xviii + 344*), the numbers in each sequence may be added together to make an overall total (in this case 362), but do not count unnumbered pages except if the book does not have numbered pages at all.

For multi-volume books, enter the total for all the volumes combined.

This field is optional, but it is normally required for a printed book unless the **<PagesRoman>** and **<PagesArabic>** elements are used, and is non-repeating.

Format	Variable length integer, suggested maximum length 6 digits.
Reference name	<NumberOfPages>
Example	442

MMG.36 Number of pages, roman

The number of pages numbered in roman numerals. The **<PagesRoman>** and **<PagesArabic>** elements together represent an alternative to **<NumberOfPages>** where there is a requirement to specify these numbering sequences separately. For most ONIX applications, however, **<NumberOfPages>** will be preferred. Optional and non-repeating.

Format	Variable length alphabetic, suggested maximum length 10 characters.
Reference name	<PagesRoman>
Example	<i>xxiii</i>

MMG.37 Number of pages, Arabic

The number of pages numbered in Arabic numerals. Optional and non-repeating.

Format	Variable length numeric, suggested maximum length 6 characters.
Reference name	<PagesArabic>
Example	442

Extent composite

A repeatable group of data elements which together describe an extent pertaining to the product.

Reference name <Extent>

MMG.38 Extent type code

An ONIX code which identifies the type of extent carried in the composite, eg file size for a digital product. Mandatory in each occurrence of the <Extent> composite, and non-repeating.

Format Fixed-length, two numeric digits.

Code list ONIX List 23: see separate documentation

Reference name <ExtentType>

Example 22 File size

MMG.39 Extent value

The numeric value of the extent specified in <ExtentType>. Mandatory in each occurrence of the <Extent> composite, and non-repeating.

Format Numeric, with decimal point where required, as specified in field MMG.38

Reference name <ExtentValue>

Example 2.5

MMG.40 Extent unit

An ONIX code indicating the unit used for the <ExtentValue> and the format in which the value is presented. Mandatory in each occurrence of the <Extent> composite, and non-repeating.

Format Fixed-length, two numeric digits

Code list ONIX List 24: see separate documentation

Reference name <ExtentUnit>

Example 19 Megabytes

End of extent composite

Main subject composite

An optional and repeatable group of data elements which together describe a main subject classification or subject heading which is taken from a recognized scheme.

Reference name <MainSubject>

MMG.41 Main subject scheme identifier

An ONIX code which identifies a subject scheme which is designated for use in a <MainSubject> composite. Mandatory in each occurrence of the composite, and non-repeating.

When the scheme in the code list is annotated "Code", use the associated <SubjectCode> element to carry the value (if so required, the <SubjectHeadingText> element can be used simultaneously to carry the text equivalent of the code). When the scheme is annotated "Text", use the <SubjectHeadingText> element to carry the text of the subject heading.

Format Fixed-length, two numeric digits.
 Code list ONIX List 26: see separate documentation
 Reference name <MainSubjectSchemeIdentifier>
 Example 25

MMG.42 Subject scheme version number

A number which identifies a version or edition of the subject scheme specified in the associated <MainSubjectSchemeIdentifier> element. Optional and non-repeating.

Format Free form. Suggested maximum length 10 characters
 Reference name <SubjectSchemeVersion>
 Example 2.1

MMG.43 Subject code

A subject class or category code from the scheme specified in the <MainSubjectSchemeIdentifier> element. Either <SubjectCode> or <SubjectHeadingText> or both must be present in each occurrence of the <MainSubject> composite. Non-repeating.

Format Variable-length, alphanumeric, suggested maximum length 20 characters.
 Code list The scheme specified in <MainSubjectSchemeIdentifier>
 Reference name <SubjectCode>
 Example 623.95

MMG.44 Subject heading text

The text of a heading taken from the scheme specified in the <MainSubjectSchemeIdentifier> element; or the text equivalent to the <SubjectCode> value, if both code and text are sent. Either <SubjectCode> or <SubjectHeadingText> or both must be present in each occurrence of the <MainSubject> composite. Non-repeating.

Format Variable-length text, suggested maximum length 100 characters.
 Reference name <SubjectHeadingText>
 Example *Labor and industrial relations*

End of main subject composite

Additional subject composite

An optional and repeatable group of data elements which together describe a subject classification or subject heading which is additional to the BISAC, BIC or other main subject category.

Reference name <Subject>

MMG.45 Subject scheme identifier

An ONIX code which identifies the subject scheme which is used in an occurrence of the <Subject> composite. Mandatory in each occurrence of the composite, and non-repeating.

When the scheme in the code list is annotated "Code", use the associated <SubjectCode> element to carry the value (if so required, the <SubjectHeadingText> element can be used simultaneously to carry the text equivalent of the code). When the scheme is annotated "Text", use the <SubjectHeadingText> element to carry the text of the subject heading.

Format Fixed-length, two numeric digits.
 Code list ONIX List 27: see separate documentation
 Reference name <SubjectSchemeIdentifier>
 Example 03

MMG.46 Proprietary subject scheme name

A name identifying a proprietary subject scheme when <SubjectSchemeIdentifier> is coded "24". Optional and non-repeating.

Format Variable-length text, suggested maximum length 100 characters.
 Reference name <SubjectSchemeName>
 Example 21

MMG.47 Subject scheme version number

A number which identifies a version or edition of the subject scheme specified in the associated <SubjectSchemeIdentifier> element. Optional and non-repeating.

Format Free form. Suggested maximum length 10 characters, for consistency with other version number elements.
 Reference name <SubjectSchemeVersion>
 Example 21

MMG.48 Subject code

A subject class or category code from the scheme specified in the <SubjectSchemeIdentifier> element. Either <SubjectCode> or <SubjectHeadingText> or both must be present in each occurrence of the <Subject> composite. Non-repeating.

Format Variable-length, alphanumeric, suggested maximum length 20 characters.
 Code list The scheme specified in the associated <SubjectSchemeIdentifier> element.
 Reference name <SubjectCode>
 Example 623.95

MMG.49 Subject heading text

The text of a subject heading taken from the scheme specified in the **<SubjectSchemeIdentifier>** element, or of free language keywords if the scheme is specified as “keywords”; or the text equivalent to the **<SubjectCode>** value, if both code and text are sent. Either **<SubjectCode>** or **<SubjectHeadingText>** or both must be present in each occurrence of the **<Subject>** composite. Non-repeating.

Format	Variable-length text, suggested maximum length 100 characters.
Reference name	<SubjectHeadingText>
Example	<i>Labor and industrial relations</i>

End of additional subject composite**MMG.50 Audience code**

An ONIX code that identifies the broad audience or readership for whom a publication is intended. Optional, and repeatable if the publication is intended for two or more groups.

Format	Fixed-length, two numeric digits.
Code list	ONIX List 28: see separate documentation
Reference name	<AudienceCode>
Example	<i>04</i>

Other text composite

An optional and repeatable group of data elements that carries descriptive text related to the publication. Used here either for a short annotation or for a longer description.

Reference name <OtherText>

MMG.51 Other text type code

An ONIX code which identifies the type of text which is sent in the <Text> element. Mandatory in each occurrence of the <OtherText> composite, and non-repeating.

Format Fixed-length, two characters (initially allocated as 01, 02 etc)

Code list ONIX List 33 :see separate documentation

Reference name <TextTypeCode>

Example 33

MMG.52 Other text

The text specified in the <TextTypeCode> element. In this context, mandatory in any occurrence of the <OtherText> composite, and non-repeating.

The <Text> element may carry any of the following ONIX attributes: *textformat*, *language*, *transliteration*, *textcase*.

For consistency with full ONIX messages, XHTML is enabled in this element: see *ONIX for Books – Product Information Message – XML Message Specification*, Section 7

Format Variable length text

Reference name <Text>

Example

End of other text composite

MMG.53 Imprint or brand name

The full name of the imprint or brand under which the product is issued, as it appears on the title page of a book or in a corresponding position on a non-book product. Optional and non-repeating.

Format Variable length text, suggested maximum length 100 characters.

Reference name <ImprintName>

Example *Secker & Warburg*

Publisher composite

A group of data elements which together identify an entity which is associated with the publishing of a product. Optional and repeatable. Each occurrence of the composite must carry a publishing role code and a publisher name.

Reference name <Publisher>

MMG.54 Publishing role code

An ONIX code which identifies a role played by an entity in the publishing of a product. Mandatory in each occurrence of the <Publisher> composite, and non-repeating.

Format Fixed-length, two numeric digits.

Code list
01 Publisher
02 Co-publisher

Reference name <PublishingRole>

Example 02

MMG.55 Publisher name

The name of an entity associated with the publishing of a product. Mandatory in each occurrence of the <Publisher> composite, and non-repeating.

Format Variable length text, suggested maximum length 100 characters.

Reference name <PublisherName>

Example *Reed International Books*

End of publisher composite

MMG.56 Country of publication

A code identifying the country where the product is published. Mandatory and non-repeating.

Format Fixed-length, two upper-case letters. Note that ISO 3166 specifies that these codes should always be in upper-case.

Code list ONIX List 91 (ISO 3166-1 two-letter codes): see separate documentation

Reference name <CountryOfPublication>

Example US

MMG.57 Publication date

The date of first publication of this product in the country of publication (that is, under the current ISBN or other identifier, as distinct from the date of first publication of the *work*). In advance information, this will be an expected date, which should be replaced by the actual date of publication when known. The date should be given as precisely as possible, but in early notifications a month and year are sufficient; and for backlist titles the year of publication is sufficient.

Mandatory and non-repeating.

Format Four, six or eight numeric digits (YYYY, YYYYMM, or YYYYMMDD).

Reference name <PublicationDate>

Example 20010315

Copyright statement composite

An optional and repeatable group of data elements which together represent a structured copyright statement for the monograph.

Reference name <CopyrightStatement>

MMG.58 Copyright year

The copyright year as it appears in a copyright statement on the monograph. Mandatory in each occurrence of the <CopyrightStatement> composite, and repeatable if several years are listed.

Format Date as year only (YYYY)

Reference name <CopyrightYear>

Example 2003

Copyright owner composite

A repeatable group of data elements which together name a copyright owner. At least one occurrence is mandatory in each occurrence of the <CopyrightStatement> composite. Each occurrence of the <CopyrightOwner> composite must carry a single name (personal or corporate). (In a full ONIX record, an identifier may also be used.)

Reference name <CopyrightOwner>

MMG.59 Person name

The name of a person, used here for a personal copyright holder. Non-repeating. One occurrence of either <PersonName> or <CorporateName>, but not both, must be present in each occurrence of the <CopyrightStatement>.

Format Variable-length text, suggested maximum length 100 characters

Reference name <PersonName>

Example *James J. Johnson III*

MMG.60 Corporate name

The name of a corporate body, used here for a corporate copyright holder. Non-repeating.

Format Variable-length text, suggested maximum length 200 characters

Reference name <CorporateName>

Example *Johnson & Johnson Inc*

End of copyright owner composite

End of copyright statement composite

Related work composite

A group of data elements which together identify a work which has a specified relationship to the monograph which is described in the ONIX metadata package. Optional, and repeatable if the monograph is linked to more than one related work. The mandatory content of an occurrence of the **<RelatedWork>** composite is a **<RelationCode>** and a work identifier.

Reference name <RelatedWork>

MMG.61 Relation code

An ONIX code which identifies the nature of the relationship between two entities, which may be either works or manifestations of works. Mandatory in each occurrence of the **<RelatedWork>** composite, and non-repeating. In the code lists below, "X" represents the related work that is identified in an occurrence of the composite.

Format	Fixed length, two numeric digits		
Code list (in records describing a monograph-as-work)	80	Includes	
	81	Is part of	
	82	Is a new version of	Is a new version of X, with different content
	83	Has a new version	Has a new version X, with different content
	85	Is a different language version of	
	86	Is a resource about	
	87	Is continued by	
	88	Is a continuation of	
Code list (in records describing a monograph-as-manifestation)	80	Includes	Includes a manifestation of X
	81	Is part of	Is a manifestation of part of X
	82	Is a new version of	Is a manifestation of a new version of X, with different content
	83	Has a new version	Is a manifestation of a work that has a new version X, with different content
	85	Is a different language version of	Is a manifestation of a work that is a different language version of X
	86	Is a resource about	Is a manifestation of a work that is a resource about X
	87	Is continued by	Is a manifestation of a work that is continued by X
	88	Is a continuation of	Is a manifestation of a work that is a continuation of X
	90	Is a manifestation of	
Reference name	<RelationCode>		
Example	81	Is part of	

Work identifier composite

A group of data elements which together define the identifier of a work in accordance with a specified scheme, and allowing other types of work identifier for a related work to be included without defining additional data elements. One occurrence is mandatory in each instance of the **<RelatedWork>** composite. Repeatable if the work has more than one identifier of different types.

Reference name <WorkIdentifier>

MMG.62 Work identifier type code

An ONIX code identifying the scheme from which the identifier in the **<IDValue>** element is taken. Mandatory in each occurrence of the **<WorkIdentifier>** composite, and non-repeating.

Format	Fixed-length, 2 numeric digits
Code list	01 Proprietary, eg a publisher's work identifier 06 DOI 11 ISTC
Reference name	<WorkIDType>
Example	06 DOI

MMG.63 Identifier value

An identifier of the type specified in the **<WorkIDType>** element. Mandatory in each occurrence of the **<WorkIdentifier>** composite, and non-repeating.

Format	According to the identifier type specified in <WorkIDType>
Reference name	<IDValue>
Example	12345678

End of work identifier composite

End of related work composite

Related product composite

A group of data elements which together identify a product (or “manifestation”) which has a specified relationship to the monograph which is described in the ONIX metadata package. Optional, and repeatable if the monograph is linked to two or more related products. The minimum required content of an occurrence of the **<RelatedProduct>** composite is a **<RelationCode>** and a product identifier.

Reference name <RelatedProduct>

MMG.64 Relation code

An ONIX code which identifies the nature of the relationship between two entities, which may be either works or manifestations of works. Mandatory in each occurrence of the **<RelatedProduct>** composite, and non-repeating. In the code lists below, “Y” represents the related product or manifestation that is identified in an occurrence of the composite.

Format Fixed length, two numeric digits

Code list (in records describing a monograph-as-work)	80	Includes	Includes the work manifested in Y
	81	Is part of	Is part of the work manifested in Y
	82	Is a new version of	Is a new version of the work manifested in Y, with different content
	83	Has a new version	Has a new version manifested in Y, with different content
	85	Is a different language version of	Is a different language version of the work manifested in Y
	86	Is a resource about	Is a resource about the work manifested in Y
	87	Is continued by	Is continued by the work manifested in Y
	88	Is a continuation of	Is a continuation of the work manifested in Y
	89	Is manifested in	
Code list (in records describing a monograph-as-manifestation)	80	Includes	
	81	Is part of	
	82	Is a new version of	Is a manifestation of a new version of the work manifested in Y, with different content
	83	Has a new version	Is a manifestation of a work that has a new version manifested in Y, with different content
	84	Is a different form of	
	85	Is a different language version of	Is a manifestation of a work that is a different language version of the work manifested in Y
	86	Is a resource about	Is a manifestation of a work that is a resource about the work manifested in Y
	87	Is continued by	
	88	Is a continuation of	
Reference name	<RelationCode>		
Example	82		

Product identifier composite

A repeatable group of data elements which together define the identifier of a product in accordance with a specified scheme, and allowing other types of product identifier for a related product to be included without defining additional data elements. Mandatory in each occurrence of the **<RelatedProduct>** composite. Repeatable only if two different identifiers (eg DOI and ISBN) for the same related item are sent.

Reference name <ProductIdentifier>

MMG.65 Product identifier type code

An ONIX code identifying the scheme from which the identifier in the **<IDValue>** element is taken. Mandatory in each occurrence of the **<ProductIdentifier>** composite, and non-repeating.

Format	Fixed-length, 2 numeric digits
Code list	01 Proprietary, a publisher's or wholesaler's product number 02 ISBN-10 (unhyphenated) 03 EAN-13 06 DOI 10 SICI 15 ISBN-13 (unhyphenated)
Reference name	<ProductIDType>
Example	02

MMG.66 Identifier value

An identifier of the type specified in the **<ProductIDType>** element. Mandatory in each occurrence of the **<ProductIdentifier>** composite, and non-repeating.

Format	According to the identifier type specified in <ProductIDType>
Reference name	<IDValue>
Example	12345678

End of product identifier composite

End of related product composite

End of <DOIMonographicWork> record

End of <DOIMonographicProduct> record

Example of an ONIX DOI Monographic Product Registration Message

This example shows only elements that might be included in a registration package sent by a publisher, ie it does not carry DOI-related elements that the registration agency itself might generate.

Note that a valid DOI Metadata message must include a namespace declaration on the top-level element with the following URI: <http://www.editeur.org/onix/DOIMetadata/2.0> The example below shows the namespace declaration in the first line. For further technical information on the purpose and use of namespaces see the W3C Recommendation 'Namespaces in XML' (<http://www.w3.org/TR/REC-xml-names/>).

```
<ONIXDOI MonographicProductRegistrationMessage xmlns="http://www.editeur.org/onix/DOIMetadata/2.0">
  <Header>
    <FromCompany>Adelphi</FromCompany>
    <FromPerson>??????????</FromPerson>
    <FromEmail>?????@?????</FromEmail>
    <ToCompany>mEDRA</ToCompany>
    <MessageNumber>123</MessageNumber>
    <MessageRepeat>1</MessageRepeat>
    <SentDate>200305281324</SentDate>
    <MessageNote>????????????????</MessageNote>
  </Header>
  <DOIMonographicProduct>
    <NotificationType>06</NotificationType>
    <DOI>10.99999/????????????????</DOI>
    <DOIWebsiteLink>http://www.??????????</DOIWebsiteLink>
    <RegistrantName>Adelphi Edizioni SPA Milano</RegistrantName >
    <ProductIdentifier>
      <ProductIDType>02</ProductIDType>
      <IDValue>8845911918</IDValue>
    </ProductIdentifier>
    <ProductForm>BC</ProductForm>
    <Title language="ita">
      <TitleType>01</TitleType>
      <TitleText>Il mare colore del vino</TitleText>
    </Title>
    <Contributor>
      <ContributorRole>A01</ContributorRole>
      <PersonNameInverted>Sciascia, Leonardo</PersonNameInverted>
    </Contributor>
    <EditionNumber>3</EditionNumber>
    <Language>
      <LanguageRole>01</LanguageRole>
      <LanguageCode>ita</LanguageCode>
    </Language>
    <ImprintName>Adelphi</ImprintName>
    <Publisher>
      <PublishingRole>01</PublishingRole>
      <PublisherName>Adelphi Edizioni</PublisherName>
    </Publisher>
    <CountryOfPublication>IT</CountryOfPublication>
    <PublicationDate>200003</PublicationDate>
```

```
<CopyrightStatement>
  <CopyrightYear>1996</CopyrightYear>
  <CopyrightOwner>
    <CorporateName>Adelphi Edizioni SPA Milano</CorporateName>
  </CopyrightOwner>
</CopyrightStatement>
</DOIMonographicProduct>
</ONIXDOIMonographicProductRegistrationMessage>
```

Example of an ONIX DOI Monographic Work registration message

This example includes the DOI-related elements that the registration agency might itself generate.

Note that a valid DOI Metadata message must include a namespace declaration on the top-level element with the following URI: <http://www.editeur.org/onix/DOIMetadata/2.0>. The example below shows the namespace declaration in the first line. For further technical information on the purpose and use of namespaces see the W3C Recommendation 'Namespaces in XML' (<http://www.w3.org/TR/REC-xml-names/>).

```
<ONIXDOI MonographicWorkRegistrationMessage xmlns="http://www.editeur.org/onix/DOIMetadata/2.0">
  <Header>
    <FromCompany>Adelphi</FromCompany>
    <FromPerson>??????????</FromPerson>
    <FromEmail>?????@?????</FromEmail>
    <ToCompany>mEDRA</ToCompany>
    <MessageNumber>123</MessageNumber>
    <MessageRepeat>1</MessageRepeat>
    <SentDate>200305281324</SentDate>
    <MessageNote>????????????????</MessageNote>
  </Header>
  <DOI MonographicWork>
    <NotificationType>06</NotificationType>
    <DOI>10.99999/????????????????</DOI>
    <DOIWebsiteLink>http://????????????????</DOIWebsiteLink>
    <DOIStructuralType>Abstraction</DOIStructuralType>
    <DOI Mode>Abstract</DOI Mode>
    <RegistrantName>Adelphi Edizioni SPA Milano</RegistrantName >
    <RegistrationAuthority>mEDRA</RegistrationAuthority>
    <Title language="ita">
      <TitleType>01</TitleType>
      <TitleText>Il mare colore del vino</TitleText>
    </Title>
    <Contributor>
      <ContributorRole>A01</ContributorRole>
      <PersonNameInverted>Sciascia, Leonardo</PersonNameInverted>
    </Contributor>
    <Language>
      <LanguageRole>01</LanguageRole>
      <LanguageCode>ita</LanguageCode>
    </Language>
    <CopyrightStatement>
      <CopyrightYear>1996</CopyrightYear>
      <CopyrightOwner>
        <PersonName>Leonardo Sciascia</PersonName>
      </CopyrightOwner>
    </CopyrightStatement>
    <RelatedProduct>
      <RelationCode>89</RelationCode>
      <ProductIdentifier>
        <ProductIDType>02</ProductIDType>
        <IDValue>8845911918</IDValue>
      </ProductIdentifier>
    </RelatedProduct>
  </DOI MonographicWork>
</ONIXDOI MonographicWorkRegistrationMessage>
```