

ONIX DOI Serial Article Version 2.0 - Application Profile to access mEDRA/CrossRef services

This document describes the specification for the **DOI registration for the Serial Article Version 2.0** according to the Application Profile that is required to access the CrossRef services (CrossLinking and Cited-By) provided by mEDRA. The Application Profile consists of a subset of the metadata defined in the ONIX DOI schema 2.0 for the DOI registration on mEDRA and requires compliance with further requirements (CR Requirements) and recommendations (CR Recommendations) - not expressed in the schema - that are necessary for correct DOI and metadata communication to CrossRef and optimal use of the service. Where appropriate, the values in the "Cardinality" column and in the "Datatype" column were amended as against the ONIX schema 2.0 depending on CrossRef Requirements and Recommendations. These Requirements and Recommendations are shown in the "Notes" column. For each element, the "Used for" column specifies whether: the element is registered both on mEDRA and on CrossRef (mEDRA/CR DOI Deposit); or whether the element is only registered on mEDRA (mEDRA DOI Deposit). **The specifications for the deposit of citations (elements of the cl:CitationList group) are provided in a separate documentation.**

Element	Datatype (CR Application Profile)	Cardinality (CR Application Profile)	Notes	Used for:
ONIXDOISerialArticleVersionRegistrationMessage		1	A valid DOI registration message must begin with the element: <ONIXDOISerialArticleVersionRegistrationMessage xsi:schemaLocation="http://www.editeur.org/onix/DOIMetadata/2.0 http://www.medra.org/schema/onix/DOIMetadata/2.0/ONIX_DOIMetadata_2.0.xsd" xmlns:cl="http://www.medra.org/DOIMetadata/2.0/Citations" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.editeur.org/onix/DOIMetadata/2.0">	mEDRA/CR DOI Deposit
Header		1	A valid ONIXDOISerialArticleVersionRegistrationMessage must contain one and only one occurrence of the Header group	
Header/FromCompany	string	1	Message sender - Name of the organization performing the DOI registration	mEDRA/CR DOI Deposit
Header/FromPerson	string	0-1	Message sender - Name of the person performing the DOI registration	mEDRA/CR DOI Deposit
Header/FromEmail	string	1	The value in the FromEmail element will be used by the system to notify the feedback on the outcome of registration message submission, if it is specified in the NotificationResponse element, and for any other necessary notifications. Therefore please enter a valid e-mail message - <i>WARNING: as against version 1.1 of the ONIX DOI schema, the definition of the type EmailString has been changed: now the entered e-mail address is also checked for syntactic correctness. The regular expression has been derived from CrossRef (please see email address in common 4.3.0)</i>	mEDRA/CR DOI Deposit
Header/ToCompany	value: mEDRA	1	Message addressee; required value: mEDRA	mEDRA/CR DOI Deposit
Header/MessageNumber	positive integer	0-1	Sequence number assigned to messages sent in a series, to enable the receiver to check against gaps and duplicates.	mEDRA/CR DOI Deposit
Header/MessageRepeat	positive integer string in YYYYMMDD or YYYYMMDDHHM	0-1	A number which distinguishes any repeat transmissions of a message. The original is numbered 1, and repeats are numbered 2, 3 etc.	mEDRA/CR DOI Deposit
Header/SentDate	M format	1	The date on which the message is sent	mEDRA/CR DOI Deposit
Header/MessageNote	string	0-1	Free text giving additional information about the message	mEDRA/CR DOI Deposit
Header/NotificationResponse	Values: 01 (e-mail); 02 (callback); 03 (ftp)	1	For every registration message, please specify the chosen mode for the interaction with the mEDRA registration system. mEDRA will use the chosen mode for the notification of the feedback on the outcome of registration message submission. This element refers to a list of controlled values and may only take the values specified in the datatype column	mEDRA/CR DOI Deposit
/Header				
DOISerialArticleVersion		1-n	Every ONIXDOISerialArticleVersionRegistrationMessage must contain one or more occurrences of the DOISerialArticleVersion group	mEDRA/CR DOI Deposit

DOI:SerialArticleVersion/NotificationType	Values: 06 (creation); 07 (update)	1	This element may only take the values specified in the datatype column: 06 indicates the first registration of a DOI; 07 indicates a subsequent update of the DOI metadata	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/DOI	string (6-2048 char)	1	The DOI assigned to the article, in the form "10.prefix/suffix". Example: 10.1472/abdc. <i>CR REQUIREMENTS: the length of the value specified in the <DOI> element must be between 6 and 2048 characters. In addition, it is not allowed to include two DOI:SerialArticleVersion records that refer to the same DOI in the same RegistrationMessage.</i>	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/DOIWebsiteLink	URI	1	Single resolution: URI of the resource that the registrant wants to associate to the DOI. To be used in order to associate one single resolution to the DOI (typically a web page). During the update it is possible to shift from single to multiple resolution and vice versa. <i>CR requirements: the value of the <DOIWebsiteLink> element must be a valid URI and have a length between 1 and 2048 characters.</i>	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/DOIResolution		0-1	Optional metadata group to enable the Multiple Resolution service (Multiple Resolution). It associates multiple resolutions (multiple URIs) to the DOI. For the specifications for the use of the DOIResolution group, please refer to the separate documentation doi: 10.1392/ONIX_DOI_MR available on mEDRA Website	mEDRA DOI Deposit
DOI:SerialArticleVersion/RegistrantName	string	1	Name of the organization performing the DOI registration	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/RegistrationAuthority	string	0-1	Name of the DOI Agency with which the DOI registration is made. Enter the value: mEDRA	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/ProductIdentifier		0-n	Group of elements that allows to specify one or more identifiers associated to the article (in addition to the DOI code). <i>CR requirements: are sent to Crossref: - the first ten <ProductIdentifier> with child element <ProductIDType> equal to 10 and value of the child element <IDValue> with a length smaller or equal to 255 characters; - the first three <ProductIdentifier> with child element <ProductIDType> equal to 01 and value of the child element <IDValue> with a length smaller or equal to 32 characters.</i>	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/ProductIdentifier/ProductIDType	see code lists sheet	1	The type of identifier associated to the article	mEDRA/CR DOI Deposit
DOI:SerialArticleVersion/ProductIdentifier/IDValue	string	1	Value of the identifier. <i>CR Requirements: SIC1 type identifiers (<ProductIDType> 10) must have a length smaller or equal to 255 characters; proprietary identifiers (<ProductIDType> 01) must have a length smaller or equal to 32 characters .</i>	mEDRA/CR DOI Deposit
SerialPublication		1	Every DOI:SerialArticleVersion record must contain one occurrence of the SerialPublication group. The SerialPublication group contains the bibliographic metadata of the journal in which the article is published.	mEDRA/CR DOI Deposit
SerialWork		1	Every DOI:SerialArticleVersion record must contain one SerialWork group within the SerialPublication group. The message structure requires that the title (mandatory) and the publisher (optional) of the journal are expressed at "work" level. The inclusion of any identifier at "work" level is optional.	mEDRA/CR DOI Deposit
SerialWork/WorkIdentifier/		0-1	Group of elements that allows to specify one or more identifiers of the journal. <i>WARNING: the element is repeatable in ONIX 2.0 and multiple identifier types (01, 06, 08) may be included for the deposit of the DOI on mEDRA. CR Recommendations: only the first <WorkIdentifier> with child element <WorkIDType> equal to 08 is sent to Crossref. CR Requirements: here the child element <IDValue> must have a maximum length of 6 characters</i>	mEDRA/CR DOI Deposit
SerialWork/WorkIdentifier/WorkIDType	see code lists sheet	1	Identifier type. <i>WARNING: In ONIX 2.0 for Serial Article Version multiple identifier types (01- Proprietary; 06- DOI, 08 CODEN) may be included. CR Recommendations: only the CODEN identifier (<WorkIDType> with value 08) is sent to CR;</i>	mEDRA/CR DOI Deposit
SerialWork/WorkIdentifier/IDValue	string	1	Identifier value. <i>CR requirements: maximum length of six characters</i>	mEDRA/CR DOI Deposit

SerialWork/Title/		1-n	Group of elements that allows to describe the title of the journal. <i>WARNING: In ONIX 2.0 one or more <Title> groups may be included, regardless of the value of the <TitleType> element. CR Requirements: at least one Title group with child element <TitleType> equal to 01 (distinctive title) must be present. The first ten <Title> with child element <TitleType> equal to 01 are sent to Crossref. The value of the child element <TitleText> is truncated at the 255th character. If present, also the first ten <Title> with child element <TitleType> equal to 05 (abbreviated title) are sent to Crossref. Here the value of the child element <IDValue> is truncated at the 150th character</i>	mEDRA/CR DOI Deposit
SerialWork/Title/TitleType	see code lists sheet	1	Title type. <i>CR requirements: at least one Title group with child element <TitleType> equal to 01 (distinctive title) must be present.</i>	mEDRA/CR DOI Deposit
SerialWork/Title/TitleText	string (max 255 or 150 char., depending on the value of <TitleType>)	1	String of the publication title. <i>WARNING: in ONIX 2.0 the maximum length of <TitleText> is 600 characters. CR requirements: the value of the <TitleText> element with <TitleType> 01 (distinctive title) is truncated at the 255th character. The value of the <TitleText> element with <TitleType> 05 (abbreviated title) is truncated at the 150th character.</i>	mEDRA/CR DOI Deposit
SerialWork/Title/Subtitle	string	0-1	Publication subtitle.	mEDRA DOI Deposit
SerialWork/ImprintName	string	0-1	Publishing brand responsible for the publication of the journal	mEDRA DOI Deposit
SerialWork/Publisher		0-n	Group of elements that allows to specify the name of the publisher and of any co-publishers of the journal	mEDRA DOI Deposit
SerialWork/Publisher/PublishingRole	see code lists sheet	1	Publisher's role (publisher or co-publisher of the publication)	mEDRA DOI Deposit
SerialWork/Publisher/PublisherIdentifier		0-n	Group of elements that allows to specify one or more identifier associated to the publisher	mEDRA DOI Deposit
SerialWork/Publisher/PublisherIdentifier/PublisherIDType	Values: 01 (proprietary), 16 (ISNI)	1	Type of publisher identifier	mEDRA DOI Deposit
SerialWork/Publisher/PublisherIdentifier/IDTypeName	string (max 50 characters)	0-1	Element that allows to specify a proprietary identifier schema. This element must occur only if <PublisherIDType> value is 01 (proprietary)	mEDRA DOI Deposit
SerialWork/Publisher/PublisherIdentifier/IDValue	stringa	1	Identifier value	mEDRA DOI Deposit
SerialWork/Publisher/PublisherName	string	1	Publisher's name	mEDRA DOI Deposit
SerialWork/CountryOfPublication	ONIX 91 list	0-1	Country of publication, in the two-letter ISO 3166-1 format. For the full list of the values see the Onix 91 list	mEDRA DOI Deposit
/SerialWork				
SerialVersion		1	Every DOI SerialArticleVersion record must contain one SerialVersion group within the SerialPublication group. The SerialVersion group allows to specify the identifiers of the journal (including the ISSN, mandatory for CR) and to describe the publication format.	mEDRA/CR DOI Deposit
SerialVersion/ProductIdentifier	string consisting of: 4 digits + dash (optional) + 3 digits + 1 digit or the X character	1-n	Group of elements that allows to specify the identifiers of the journal. <i>WARNING: in ONIX 2.0 this group of elements is optional; in addition, other types of identifiers: 01 (proprietary) and 06 (DOI) other than the ISSN may be entered. CR requirements: it is mandatory to include the ISSN of the journal. In other words, at least one ProductIdentifier group with child element <ProductIDType> equal to 07 must be present. The value of the child element <IDValue> must comply with the ISSN syntax (4 digits + hyphen (optional) + 3 digits + 1 digit or the X character).</i>	mEDRA/CR DOI Deposit
SerialVersion/ProductIdentifier/IDValue	07 (ISSN)	1	Journal ISSN. <i>CR requirements: it is mandatory to include the ISSN of the journal.</i>	mEDRA/CR DOI Deposit
SerialVersion/ProductForm	see code lists sheet	1	Journal format in which the article is published. Use this element to specify whether the journal is published in paper, electronic form or on CD-ROM.	mEDRA/CR DOI Deposit
SerialVersion/EpubFormat	List 11	0-1	Electronic publication file format. It can only occur when <ProductForm> has JD value (Electronic journal, online)	mEDRA DOI Deposit
SerialVersion/EpubFormatVersion	string (max 10 char)	0-1	Electronic publication version number. It can occur only if when the <EpubFormat> element is present	mEDRA DOI Deposit

SerialVersion/EpubFormatDescription	string (max 200 char)	0-1	Text field that allows to further describe the features of the electronic publication. It can occur only if <ProductForm> has JD value but does not require the <EpubFormat> element to be present	mEDRA DOI Deposit
/SerialVersion				
/SerialPublication				
JournalIssue		1-n	Every DOI SerialArticleVersion record must contain at least one SerialIssue group with the data concerning the journal issue (issue number, issue date, etc.)	mEDRA/CR DOI Deposit
JournalIssue/JournalVolumeNumber	integer number, max 15 digits	0-1	Volume number, in which the journal appears. <i>CR Recommendations: the <JournalVolumeNumber> is only sent to Crossref if its value does not exceed 15 characters.</i>	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueNumber	integer number, max 15 digits	0-1	Journal number. <i>CR Recommendations: the <JournalIssueNumber> element is only sent to Crossref if its value does not exceed 15 characters.</i> . If <JournalIssueNumber> is not present or its value exceeds 15 characters, then the <JournalIssueDesignation> element will be sent to Crossref, but only if its value has a length smaller or equal to 15 characters.	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDesignation	string (max 15 char.)	0-1	Other journal indicators (where the journal number or the volume number is not available) in free-text format. <i>CR Recommendations: the <JournalIssueDesignation> element is only sent to Crossref if not even one <JournalIssueNumber> element is present with length value smaller or equal to 15 characters, but only if its value does not exceed 15 characters.</i>	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate		1	Group of elements that allows to specify the issue date of the journal. <i>WARNING: in ONIX 2.0 it is mandatory that at least one of the <JournalIssueNumber>, <JournalIssueDesignator>, <JournalIssueDate> elements is present within the SerialIssue group. CR Requirements: at least one <JournalIssueDate> element with child element <Date Format> other than 12 must be present. The format of the dates specified in the <Date> element must comply with ONIX specifications. In addition, the year must be between 1400 and 2200.</i>	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate/DateFormat	see code lists sheet string in the format as specified in	1	Publication date format. <i>WARNING: in ONIX 2.0 use of the value 12 (text string, when there is uncertainty about the date) is permitted for the <DateFormat> element. CR requirements: the value 12 for the <DateFormat> element is not permitted.</i>	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate/Date	<DateFormat>	1	Journal publication date	mEDRA/CR DOI Deposit
/JournalIssue				
ContentItem		1	Every DOI SerialArticleVersion record must contain one and only one occurrence of the ContentItem group with the descriptive metadata of the article to which the DOI is assigned	mEDRA/CR DOI Deposit
ContentItem/SequenceNumber	integer between 1 and 999 characters	0-1	Number that allows to specify the location of the article within the publication table of contents	mEDRA/CR DOI Deposit
ContentItem/TextItem		0-1	Group of elements that allows to specify the type of textual content of the article and the page numbering	mEDRA/CR DOI Deposit
ContentItem/TextItem/TextItemType	see code lists sheet	1	Type of textual content of the article	mEDRA DOI Deposit
ContentItem/TextItem/PageRun		0-n	Group of elements that allows to specify a run of contiguous pages on which the article appears. <i>CR Recommendations: only the first <PageRun> element is sent to Crossref, but only if the value of its child element <FirstPageNumber> has a length smaller or equal to 15 characters. The child element <LastPageNumber> is only sent to Crossref if its value has a length smaller or equal to 15 characters.</i>	mEDRA/CR DOI Deposit
ContentItem/TextItem/PageRun/FirstPageNumber	string, max 15 char.	1	Number of the first page of the article (expressed in Arabic digits, roman numerals, or as alphanumeric string)	mEDRA/CR DOI Deposit

ContentItem/TextItem/PageRun/LastPageNumber	string, max 15 char.	0-1	Number of the last page of the article (expressed in Arabic digits, roman numerals, or as alphanumeric string)	mEDRA/CR DOI Deposit
ContentItem/TextItem/NumberOfPages	integer number, max 6 digits	0-1	Overall number of pages of the article expressed as integer number	mEDRA DOI Deposit
ContentItem/Extent		0-n	Group of elements that allows to describe the article (paper or electronic) size in terms of file size, number of pages, etc.	mEDRA DOI Deposit
ContentItem/Extent/ExtentType	ONIX 23 list integer or decimal number	1	The type of extent used to describe the article size (e.g. file size of the digital version of the journal article)	mEDRA DOI Deposit
ContentItem/Extent/ExtentValue		1	The numeric value of the extent specified in <ExtentType>	mEDRA DOI Deposit
ContentItem/Extent/ExtentUnit	ONIX 24 list	1	Measurement unit (e.g. megabyte)	mEDRA DOI Deposit
ContentItem/Title		1-n	Group of elements that allows to specify the article title. <i>WARNING: In ONIX for DOI 2.0 one or more <Title> groups may be included, regardless of the value of the <TitleType> element. CR Requirements: at least one Title group with child element <TitleType> equal to 01 must be present. Only the first 20 <Title> with value of the child element <TitleType> equal to 01 are sent to Crossref. No other values are allowed for the TitleType element.</i>	mEDRA/CR DOI Deposit
ContentItem/TitleType	value=01 (distinctive title)	1	<i>CR Requirements: at least one Title group with child element <TitleType> equal to 01 must be present. No other values are allowed for the TitleType element.</i>	mEDRA/CR DOI Deposit
ContentItem/Title/TitleText	string	1	Article title	mEDRA/CR DOI Deposit
ContentItem/Title/Subtitle	string	0-1	Article subtitle	mEDRA/CR DOI Deposit
ContentItem/Contributor		0-n	Repeatable group of elements that allows to describe, in every one of its occurrences, each author of the article and any other contributors (e.g. translator, editor, etc.). <i>CR requirements:</i> - the first author must always be provided, i.e. there must be one <Contributor> element with the value of the child element <SequenceNumber> equal to 1, 01 or 001, and the value of the child element <ContributorRole> equal to A01; - only <Contributor> with a child element <KeyNames> or a <CorporateName> and a child element <ContributorRole> with value equal to A01, B01, B02, B06, B11, B12, B13, B14, B15, B16, B19, B20 or B21 are sent to Crossref; - the values contained in the elements <KeyNames> and <NamesBeforeKey> are sent to Crossref after deleting any initial, final, and multiple internal spaces, any digits and the ? character; - the value of <KeyNames> without spaces, digits, and ? must be smaller or equal to 35 characters; - the <NamesBeforeKey> element is only sent if the length of its value without spaces, digits, and ? is smaller or equal to 35 characters; - the value of <CorporateName> must be smaller or equal to 511 characters.	mEDRA/CR DOI Deposit
ContentItem/Contributor/SequenceNumber	integer between 1 and 999 characters	0-1	Contributors' counter. <i>CR requirements: the first author must always be provided, i.e. there must be one <SequenceNumber> element equal to 1, 01, or 001</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/ContributorRole	see code lists sheet	1	Role of the contributor (author, translator, editor, etc.). <i>WARNING: in ONIX for DOI 2.0 ContributorRole may contain any value of the ONIX 17 list. CR Requirements: only some values of the list 17 are allowed, see code lists sheet.</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/NameIdentifier		0-n	Group of elements that allows to specify one or more identifier associated to the contributor	mEDRA/CR DOI Deposit
ContentItem/Contributor/NameIdentifier/NameIDType	Values: 01 (proprietary), 16 (ISNI), 21 (ORCID)	1	Type of contributor identifier	mEDRA/CR DOI Deposit
ContentItem/Contributor/NameIdentifier/IDTypeName	stringa (max 50 caratteri)	0-1	Element that allows to specify a proprietary identifier schema. This element must occur only if <NameIDType> value is 01 (proprietary)	mEDRA/CR DOI Deposit

ContentItem/Contributor/NameIdentifier/IDValue	stringa	1	Identifier value. <i>WARNING: group of elements not present in previous versions of ONIX for DOI schema. ORCID ID must be expressed in the following form: http://orcid.org/xxxx-xxxx-xxxx-xxxx. Only the first <NameIdentifier> group with child element <NameIDType> equal to 21 (ORCID ID) is sent to CrossRef</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/NamesBeforeKey	string (max 35 char)	0-1	First name of the author (or of other contributors). It should be used in combination with KeyNames. <i>WARNING: in ONIX for DOI 2.0 NamesBeforeKey is any non-empty string. CR requirements: the <NamesBeforeKey> element is only sent if the length of its value without spaces, digits, and ? is smaller or equal to 35 characters</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/KeyNames	string (max 35 char)	0-1	Last name of the author (or of other contributors). It should be used in combination with NamesBeforeKey. <i>WARNING: in ONIX for Books 2.1 KeyNames is any non-blank string. CR requirements: the value of <KeyNames> without spaces, digits and ? must be smaller or equal to 35 characters.</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/ProfessionalAffiliation		0-n	Group of elements that allows to describe the contributor's professional position or affiliation (e.g. University affiliation). Repeatable to indicate affiliations to multiple organizations. <i>WARNING: group of elements introduced in the version ONIX DOI 2.0, not available in previous versions of the schema.</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/ProfessionalAffiliation/ProfessionalPosition	string (max 100 char)	0-1	Professional position of the contributor at the time of his/her participation in the article.	mEDRA DOI Deposit
ContentItem/Contributor/ProfessionalAffiliation/Affiliation	string (max 512 char)	0-1	Name of the organization to which the contributor is affiliated. <i>CR Recommendations: only the first 5 <ProfessionalAffiliation> elements with the value of the child element <Affiliation> with a length smaller or equal to 512 characters are sent to Crossref.</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/CorporateName	string (max 511 characters)	0-1	To be used when the Contributor is not a physical person, but an organization or a company. <i>WARNING: in ONIX for DOI 2.0 CorporateName is any non-empty string. CR requirements: the value of <CorporateName> must be smaller or equal to 511 characters</i>	mEDRA/CR DOI Deposit
ContentItem/Contributor/BiographicalNote	string (max 500 characters)	0-1	Biographical note about the contributor. <i>WARNING: group of elements introduced in the version ONIX DOI 2.0, not available in previous versions of the schema.</i>	mEDRA DOI Deposit
ContentItem/Contributor/UnnamedPersons	see code lists sheet	0-1	To be used when the Contributor is anonymous or unknown	mEDRA DOI Deposit
ContentItem/Contributor/NoContributor		0-1	To be used if no Contributor groups are present, to confirm that the article has no contributor. The use of this element allows to make sure that no loss of information in relation to the contributor has occurred during the transmission of the xml message.	mEDRA DOI Deposit
ContentItem/Language		0-n	Group of elements that allows to specify the text language or languages. <i>WARNING: in ONIX for DOI 2.0 the Language group is repeatable, without restrictions to the value of the child elements LanguageRole and LanguageCode as provided by the ONIX lists. CR Recommendations: only the first <Language> element with child element <LanguageRole> equal to 01 and child element <LanguageCode> equal to eng, cat, dut, fre, ger, hun, ita, por, rus or spa is sent to Crossref.</i>	mEDRA/CR DOI Deposit
ContentItem/Language/LanguageRole	value=01 (text language)	1	Role of language with respect to the article. <i>WARNING: in ONIX for DOI 2.0 LanguageRole may contain any value of List 22. CR Recommendations: only the value 01 (text language) is allowed</i>	mEDRA/CR DOI Deposit
ContentItem/Language/LanguageCode	see code lists sheet	1	Text language, in the three-letter ISO 639-2/B format. <i>WARNING: in ONIX for DOI 2.0 LanguageCode may contain any value of the List 74. CR Recommendations: only some values of list 74 are allowed, see the code lists sheet</i>	mEDRA/CR DOI Deposit
ContentItem/MainSubject		0-n	Group of elements that allows to classify the article according to one or more among the main subject classification schemes (BIC, BISAC, etc.)	mEDRA DOI Deposit
ContentItem/MainSubject/MainSubjectSchemeIdentifier	ONIX 26 list	1	Subject classification scheme used to classify the article	mEDRA DOI Deposit
ContentItem/MainSubject/SubjectSchemeVersion	string (max 10 char)	0-1	Subject classification scheme version	mEDRA DOI Deposit
ContentItem/MainSubject/SubjectCode	string (max 20)	0-1	Subject classification code taken from the selected scheme. Mandatory in the absence of <SubjectHeadingText> within the <MainSubject> group	mEDRA DOI Deposit

ContentItem/MainSubject/SubjectHeadingText	string (max 100 char)	0-1	Textual label of the subject classification code. Mandatory in the absence of <SubjectCode> within the <MainSubject> group	mEDRA DOI Deposit
ContentItem/Subject		0-n	Group of elements that allows to classify the article according to one or more additional schemes with respect to the main subject classification code, including proprietary classification systems used by the registrant	mEDRA DOI Deposit
ContentItem/Subject/SubjectSchemeIdentifier	ONIX 27 list	1	Subject classification scheme used to classify the article	mEDRA DOI Deposit
ContentItem/Subject/SubjectSchemeName		0-1	Subject classification scheme name. To be used when <SubjectSchemeIdentifier> has value 24 (proprietary scheme)	mEDRA DOI Deposit
ContentItem/Subject/SubjectSchemeVersion	string (max 10 char)	0-1	Subject classification scheme version	mEDRA DOI Deposit
ContentItem/Subject/SubjectCode	string (max 20)	0-1	Subject classification code taken from the selected scheme. Mandatory in the absence of <SubjectHeadingText> within the <Subject> group	mEDRA DOI Deposit
ContentItem/Subject/SubjectHeadingText	string (max 100 char)	0-1	Textual label of the subject classification code. Mandatory in the absence of <SubjectCode> within the <Subject> group	mEDRA DOI Deposit
ContentItem/AudienceCode	ONIX 28 list	0-n	Element that allows to specify the audience or readership for whom the publication is intended	mEDRA DOI Deposit
ContentItem/OtherText		0-n	Group of elements that allows to associate one or more texts related to the article (e.g. table of context, abstract, etc.)	mEDRA DOI Deposit
ContentItem/OtherText/TextTypeCode	ONIX 33 list	1	Type of text associated to the article	
ContentItem/OtherText/Text	string	1	Text associated to the article	
ContentItem/PublicationDate	8, 6, or 4 digits: YYYYMMDD, YYYYMM, YYYY	1	Article publication date, in the publication format to which the DOI registration applies. <i>CR requirements: the indication of a <PublicationDate> is mandatory. The publication year must be between 1400 and 2200.</i>	mEDRA/CR DOI Deposit
ContentItem/CopyrightStatement		0-n	Group of elements that allows to specify information on publication copyright owners (copyright year and copyright owner).	mEDRA DOI Deposit
ContentItem/CopyrightStatement/CopyrightYear	4 characters: YYYY	1	Copyright year	mEDRA DOI Deposit
ContentItem/CopyrightStatement/CopyrightOwner		0-n	Group of elements that allows to specify the ownership of the publication copyright. At least one occurrence of CopyrightOwner is mandatory within the CopyrightStatement group. Every CopyrightOwner group must contain, alternatively, a PersonName element or a CorporateName element, depending on whether the copyright owner is a physical person or an organization, such as for example the publisher.	mEDRA DOI Deposit
ContentItem/CopyrightStatement/CopyrightOwner/PersonName	string	0-n	Name of the copyright owner, to be used when the owner is a physical person	mEDRA DOI Deposit
ContentItem/CopyrightStatement/CopyrightOwner/CorporateName	string	0-n	Name of the copyright owner, to be used when the owner is an organization	mEDRA DOI Deposit
ContentItem/RelatedWork		0-n	Group of elements that allows to specify, in every one of its occurrences, the relationship to a work linked to the article, specifying the type of relationship.	mEDRA DOI Deposit
ContentItem/RelatedWork/RelationCode	see code lists sheet	0-n	Type of relationship between the article and the work	mEDRA DOI Deposit
ContentItem/RelatedWork/WorkIdentifier		0-n	Group of elements that allows to specify one or more identifiers of the work linked to the article	mEDRA DOI Deposit
ContentItem/RelatedWork/WorkIdentifier/WorkIDType	see code lists sheet	1	Work identifier type	mEDRA DOI Deposit
ContentItem/RelatedWork/WorkIdentifier/IDValue	string	1	Identifier value	mEDRA DOI Deposit
ContentItem/RelatedProduct		0-n	Group of elements that allows to specify, in every one of its occurrences, the relationship to a publication (manifestation) linked to the article, specifying the type of relationship.	mEDRA DOI Deposit
ContentItem/RelatedProduct/RelationCode	see code lists sheet	0-n	Type of relationship between the article and the publication	mEDRA DOI Deposit
ContentItem/RelatedProduct/ProductIdentifier		0-n	Group of elements that allows to specify one or more identifiers of the publication linked to the article	mEDRA DOI Deposit

	01 (Proprietary), 02 ISBN-10 03 EAN-13 06 DOI 10 SICI		Publication identifier type	
ContentItem/RelatedProduct/ProductIdentifier/ProductIDType	15 ISBN-13	1	Identifier value. On the case of the ISBN, the ISBN code must be entered without hyphens (format: 10 or 13 characters)	mEDRA DOI Deposit
ContentItem/RelatedProduct/ProductIdentifier/IDValue	string	1		mEDRA DOI Deposit
cl:CitationList		1	<cl:CitationList> record (defined in the schema http://www.medra.org/schema/onix/DOIMetadata/2.0/ONIX_DOICitations_2.0.xsd) and included in the ONIX DOI schema via the alias "cl:") which allows to insert the list of citations (or bibliographic references) of the article for which the DOI registration/update is carried out. The <CitationList> record may be included within the ContentItem group in the DOI SerialArticleVersion record and deposited at the time of DOI registration/update or afterwards with a separate registration message. Every CitationList group may contain a) the descriptive metadata of the cited publication (article or monograph), b) the DOI of the cited publication c) both d) the <UnstructuredCitations> element. For the specifications of the deposit of different citation types, please refer to the separate documentation (CitationList sheet).	mEDRA/CR Citations Deposit
/cl:CitationList				
/ContentItem				
/DOI SerialArticleVersion				
/ONIX DOI SerialArticleVersion RegistrationMessage				

Code Lists

For some ONIX code lists, the CR Application Profile requires the use of subset of values. Here below only the code lists for which these constraints exist are reported; in all the other cases, please refer to the complete ONIX for DOI lists, available both on the mEDRA Website (www.medra.org) and on the Editeur Website (www.editeur.org)

Element	Onix List	Allowed values	Label
DOI:SerialArticleVersion/ProductIdentifier/ProductIDType	List 5	1 10	Proprietary code SICI
SerialWork/WorkIdentifier/WorkIDType	List 16	08	CODEN
SerialWork/Title/TitleType	List 15	01 05	Distinctive title Abbreviated title
SerialWork/Publisher/PublishingRole	List 45	01 02	Publisher Co-publisher
SerialVersion/ProductForm	List 7	JB JC JD	Printed journal CD-ROM journal Electronic journal, online
JournalIssueDate/DateFormat	List 55	00 01 02 03 04 05 06 07 08 09 10 11	YYYYMMDD Year month day (default) YYYYMM Year month YYYYWW Year and week number YYYYQ Year and quarter (Q = 1, 2, 3, 4) YYYYS Year and season (S = 1, 2, 3, 4 with 1 = "Spring") YYYY Year YYYYMMDDYYYYMMDD Spread of exact dates YYYYMMYYYYMM Spread of months YYYYWWYYYYWW Spread of week numbers YYYYQYYYYQ Spread of quarters YYYYSYYYYS Spread of seasons YYYYYYYY Spread of years
ContentItem/TextItem/TextItemType	List 42	10 11 12 13 14 15	Serial item, miscellaneous or unspecified Research article Review article Letter Short communication Erratum

		16	Abstract
		17	Book review
		18	Editorial
		19	Product review
		20	Index
		21	Obituary
ContentItem/Contributor/ContributorRole	List 17	A01	By (author)
		B01	Edited by
		B02	Revised by
		B06	translated by
		B11	Editor-in-chief
		B12	Guest editor
		B13	Volume editor
		B14	Editorial board member
		B15	Editorial coordination by
		B16	Managing editor
		B19	Associate editor
		B20	Consultant editor
		B21	General editor
ContentItem/Contributor/UnnamedPersons	List 19	01	Unknown
		02	Anonymous
		03	Et al ("and others", when additional contributors are not listed)
		04	Various authors (when the product combines a number of titles by different authors)
ContentItem/Language/LanguageCode	List 74	eng	English
		cat	Catalan
		dut	Dutch; Flemish
		fre	French
		ger	German
		hun	Hungarian
		ita	Italian
		por	Portuguese
		rus	Russian
		spa	Spanish
ContentItem/RelatedWork/WorkIdentifier/WorkIDType	List 16	01	Proprietary code
		06	DOI
		11	ISTC
ContentItem/RelatedProduct/RelationCode		80	Includes

		81	Is part of
		82	Is a new version of
		83	Has a new version
		84	Is a different form of
		85	Is a different language version of
		86	Is a resource about
		87	Is continued by
		88	Is a continuation of
ContentItem/RelatedProduct/ProductIdentifier/ProductIDType	List 5	01	Proprietary code
		02	ISBN-10
		03	EAN-13
		06	DOI
		10	SICI
		15	ISBN-13

Elements of the CitationList group					
<p>This document describes the specifications of the format of the <cl:CitationList> record within the DOI:SerialArticleVersion record. The <CitationList> record may be included within the DOI:SerialArticleVersion record and deposited upon DOI registration/update. The <cl:CitationList> record may be used to deposit on mEDRA and CrossRef the following citation types: i) article citations (deposit of articles references), ii) monograph citations (deposit of monographs references), iii) DOI citations (deposit of references containing just the DOI of the cited publication), iv) citations in unstructured format (deposit of free-text citations). Different citation types may be submitted within the same <cl:CitationList> record. In order for the system to perform the correct parsing of citations, it is recommended to comply with the metadata order indicated in the specifications below. The column "Used for" specifies whether the element is deposited both on mEDRA and CrossRef (mEDRA/CR citation deposit) or only on mEDRA (mEDRA Citation Deposit)</p>					
Use case 1: Citation of an article					
Element	Attribute	Datatype	Cardinality	Notes	Used for:
DOI:SerialArticleVersion/ContentItem/cl:CitationList/			0-1	Repeatable group of elements that allows to enter, in each one of its occurrences, the metadata of a citation. Each occurrence of <cl:ArticleCitation> must be associated with the <i>key</i> attribute, to allow for the identification of the citation and the correct processing within the system. The key attribute must be created by the user according to the syntax rules as specified in the Attributes sheet.	
.../cl:CitationList/cl:ArticleCitation	<i>key</i>	4 digits + hyphen (optional) + 3 digits + 1 digit or the X	0-n	ISSN of the journal in which the cited article appears. The string must comprise 4 digits + hyphen (optional) + 3 digits + one digit or the X. The <cl:ISSN> element may be associated, optionally, with the <i>media_type</i> attribute (see attributes sheet), which allows to specify the format of the cited publication	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:ISSN	<i>media_type</i>	character	0-1	Title of the publication in which the article appears.	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalTitle		string	1	Name of the main author of the cited article. The <cl:AuthorName> element must be mandatorily associated with the <i>referent-type</i> attribute, to specify whether the author is a physical person or an organization.	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:AuthorName	<i>referent-type</i>	string	1	Number of the volume, in which the journal appears. <i>Recommendations: the <cl:JournalVolumeNumber> element is only sent to CrossRef if its value length is smaller or equal to 15 characters.</i>	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalVolumeNumber		string (max 15 char)	0-1	Number of the cited publication. <i>Recommendations: the <cl:JournalIssueNumber> element is only sent to CrossRef if its value length is smaller or equal to 15 characters.</i>	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalIssueNumber		string (max 15 char)	0-1	Other designators of the cited publication (in the absence of the journal number or the volume number) in free-text format.	mEDRA Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalIssueDesignation		string	0-1	Number of the first page of the cited publication (article or monograph). <i>CR Recommendations: the <cl:FirstPageNumber> element is only sent to CrossRef if its value length is smaller or equal to 15 characters .</i>	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:FirstPageNumber		string (max 15 char)	1	Group of elements that allows to specify the issue date of the cited publication	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalIssueDate			0-1	Date format. All date formats are allowed for the transfer to CR. <i>CR Recommendations: to optimally exploit the CR service it is recommended not to use the free text string format (value 12 from List 55)</i>	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalIssueDate/cl:DateFormat		ONIX 55 list string in the format specified in	1		mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:JournalIssueDate/cl:Date		<DateFormat> string (6-2048 char)	1	Date string, in the format specified in the cl:DateFormat element.	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:DOI		string (6-2048 char)	0-1	DOI of the cited article, in the form "10.prefix/suffix". Example: 10.1472/abdc. <i>CR Requirements: the <DOI> element value length must be between 6 and 2048 characters</i>	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:ArticleTitle		string	0-1	Title of cited article	mEDRA/CR Citation deposit

.../cl:CitationList/cl:ArticleCitation/cl:DOI		string (6-2048 char)	1	DOI of the cited publication. Please be advised that a valid DOI always has the form "10.prefix/suffix". Example: 10.1472/abdc. <i>CR Requirements: the <DOI> element value length must be between 6 and 2048 characters</i>	mEDRA/CR Citation deposit
Use case 4: Citation of an unstructured format					
Element	Attribute	Datatype	Cardinality	Notes	
/DOI/SerialArticleVersion/ContentItem/cl:CitationList/			0-1		
.../cl:CitationList/cl:ArticleCitation	key		0-n	Repeatable group of elements that allows to enter, in each one of its occurrences, the metadata of a citation. Each occurrence of <cl:ArticleCitation> must be associated with the <i>key</i> attribute, to allow for the identification of the citation and the correct processing within the system. The key attribute must be created by the user according to the syntax rules as specified in the Attributes sheet. Element which allows to enter a citation as free-text field. The text string may contain the following face-markup (if any): (b) bold, (i) italic, (u) underline, (ovl) over-line, (sup) superscript, (sub) subscript, (scp) small caps, (tt) typewriter text	mEDRA/CR Citation deposit
.../cl:CitationList/cl:ArticleCitation/cl:UnstructuredCitation		string	1		mEDRA/CR Citation deposit

Attributes				
Element	Attribute	Cardinality	Format/Values	Notes
cl:CitationList/cl:ArticleCitation	key	1	string of minimum 11 characters with regex for the syntax	The <i>key</i> attribute is mandatory for each occurrence of <cl:ArticleCitation>, to allow for the identification of the citation and the correct processing within the system. The <i>key</i> attribute is an alphanumeric string. The string integrates within it the DOI code (for example the DOI of the article from which the citations are taken) plus a numeric reference to the citation contained in <cl:ArticleCitation>, according to the syntax: "10.prefix/suffix_ref + variable-length number". Examples: 10.1472/abc_ref01, 10.1472/abc_ref02, 10.1472/abc_ref03, ecc.
cl:CitationList/cl:ArticleCitation/cl:ISSN	media_type	0-1	print electronic	It allows to specify the publication format (paper or electronic of the cited publication)
cl:CitationList/cl:ArticleCitation/cl:AuthorName	referent-type	1	person corporate	The <i>referent-type</i> attribute is mandatory and must be used to specify whether the cited author is a physical person or an organization