ONIX DOI Serial Article Work 2.0 - Application Profile to access mEDRA/Crossref services

This document describes the specification for the DOI registration for the Serial Article Work 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:
ONIXDOISerialArticleWorkRegistrationMessage		1	A valid DOI registration message must begin with the element: <ONIXDOISerialArticleWorkRegistrationMessage 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 ONIXDOISerialArticleWorkRegistrationMessage must contain one and only one occurrence of the Header group	mEDRA/CR DOI Deposit
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 - 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)	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	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	string in YYYYMMDD or YYYYMMDDHHMM 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				
DOISerialArticleWork		1-n	Every ONIXDOISerialArticleWorkRegistrationMessage must contain one or more occurrences of the DOISerialArticleWork group	mEDRA/CR DOI Deposit

DOISerialArticleWork/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
DOISerialArticleWork/DOI	string (6-2048 char)	1	The DOI assigned to the article, in the form "10.prefix/suffix". Example: 10.1472/abdc. *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 DOISerialArticleWork records that refer to the same DOI in the same RegistrationMessage.*	mEDRA/CR DOI Deposit
DOISerialArticleWork/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 possbile to shift from single to multiple resolution and vice versa. *CR requirements: the value of the <DOIWebsiteLink> element must be a valid URI and have a length between 1 and 2048 characters.*	mEDRA/CR DOI Deposit
DOISerialArticleWork/Collection	attribute property="crawler-based"	0-n	Optional metadata group to enable Crossref Similarity Check service for antiplagiarism. The <Collection> element must carry the mandatory attribute property. For the antiplagiarism service, the attribute property must have the following value: crawler-based	mEDRA/CR DOI Deposit
DOISerialArticleWork/Collection/Item	attribute crawler="iParadigms"	1	Metadata group including the crawlable URL pointing to the full-text article to be sent to Crossref in order to enable Similarity Check service for antiplagiarism. The <Item> element must carry the attribute crawler. The attribute crawler must have the value iParadigms	mEDRA/CR DOI Deposit
DOISerialArticleWork/Collection/Item/Resource	URI	1	Crawlable URL pointing to the full-text article to be sent to Crossref in order to enable Similarity Check service	mEDRA/CR DOI Deposit
DOISerialArticleWork/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
DOISerialArticleWork/RegistrantName	string	1	Name of the organization performing the DOI registration	mEDRA/CR DOI Deposit
DOISerialArticleWork/RegistrationAuthority	string	0-1	Name of the DOI Agency with which the DOI registration is made. Enter the value: mEDRA	mEDRA/CR DOI Deposit
DOISerialArticleWork/WorkIdentifier		0-n	Group of elements that allows to specify one or more identifiers associated to the article (in addition to the DOI code).	mEDRA/CR DOI Deposit
DOISerialArticleWork/WorkIdentifier/WorkIDType	see code lists sheet	1	The type of identifier associated to the article	mEDRA/CR DOI Deposit
DOISerialArticleWork/WorkIdentifier/IDValue	string	1	Value of the identifier	mEDRA/CR DOI Deposit
SerialPublication		1	Every DOISerialArticleWork 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 DOISerialArticleWork 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. *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*	mEDRA/CR DOI Deposit
SerialWork/WorkIdentifier/WorkIDType	see code lists sheet	1	Identifier type. *WARNING: In ONIX 2.0 for Serial Article Work 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*	mEDRA/CR DOI Deposit
SerialWork/WorkIdentifier/IDValue	string	1	Identifier value. *CR requirements: maximum length of six characters*	mEDRA/CR DOI Deposit

SerialWork/Title/		1-n	Group of elements that allows to describe the title of the journal. *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*	mEDRA/CR DOI Deposit
SerialWork/Title/TitleType	see code lists sheet	1	Title type. *CR requirements: at least one Title group with child element <TitleType> equal to 01 (distinctive title) must be present.*	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. *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.*	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	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-n	Every DOISerialArticleWork record must contain at least 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. *WARNING: in ONIX DOI 2.0 the SerialVersion group is optional. In CR Application profile this group is mandatory to comply with Crossref requirements.*	mEDRA/CR DOI Deposit
SerialVersion/ProductIdentifier		1-n	Group of elements that allows to specify the identifiers of the journal. *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: there must be at least one ProductIdentifier group with child element <ProductIDType> equal to 07 (ISSN, if the journal has an ISSN) or 06 (DOI, if the journal does not have an ISSN). If the journal has an ISSN, the value of the child element <IDValue> must comply with the ISSN syntax (4 digits + dash (optional) + 3 digits + 1 digit or the X character). The first six <ProductIdentifier> with child element <ProductIDType> of 07 are sent to Crossref.* *If the journal does not have an ISSN, in order to be able to submit articles of that journal to Crossref you first need to register only on mEDRA a DOI for the journal using the Serial Title Work format, and then include that DOI as value of the child element <IDValue>. Only one <ProductIdentifier> with child element <ProductIDType> equal to 06 can be included.*	mEDRA/CR DOI Deposit
SerialVersion/ProductIdentifier/IDType	07 (ISSN), 06 (DOI)	1	Journal identififer. *CR requirements: it is mandatory to include the ISSN or the DOI of the journal.*	mEDRA/CR DOI Deposit

SerialVersion/ProductIdentifier/IDValue	If there is the ISSN, string consisting of: 4 digits + dash (optional) + 3 digits + 1 digit or the X character	1	Identifier value. *CR Requirements: if there is the ISSN, max length nine characters*	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 DOISerialArticleWork 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. *CR Recommendations: the <JournalVolumeNumber> is only sent to Crossref if its value does not exceed 15 characters.*	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueNumber	integer number, max 15 digits	0-1	Journal number. *CR Recommendations: the <JournalIssueNumber> element is only sent to Crossref if its value does not exceed 15 characters . 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. *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.*	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate		1	Group of elements that allows to specify the issue date of the journal. *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 datespecified in the <Date> element must comply with ONIX specifications. In addition, the year must be between 1400 and 2200.*	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate/DateFormat	see code lists sheet	1	Publication date format. *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.*	mEDRA/CR DOI Deposit
JournalIssue/JournalIssueDate/Date	string in the format as specified in <DateFormat>	1	Journal publication date	mEDRA/CR DOI Deposit
/JournalIssue				

ContentItem		1	Every DOISerialArticleWork 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. *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.*	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/Title		1-n	Group of elements that allows to specify the article title. *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.*	mEDRA/CR DOI Deposit
ContentItem/TitleType	value=01 (distinctive title)	1	*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.*	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.). *CR requirements:* *- 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. *CR requirements: the first author must always be provided, i.e. there must be one <SequenceNumber> element equal to 1, 01, or 001*	mEDRA/CR DOI Deposit
ContentItem/Contributor/ContributorRole	see code lists sheet	1	Role of the contributor (author, translator, editor, etc.). *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.*	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. 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	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. *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*	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. *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.*	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. *WARNING: group of elements introduced in the version ONIX DOI 2.0, not available in previous versions of the schema.*	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. *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.*	mEDRA 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. *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*	mEDRA/CR DOI Deposit
ContentItem/Contributor/BiographicalNote	string (max 500 characters)	0-1	Biographical note about the contributor. *WARNING: group of elements introduced in the version ONIX DOI 2.0, not available in previous versions of the schema.*	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. *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.*	mEDRA/CR DOI Deposit
ContentItem/Language/LanguageRole	value=01 (text language)	1	Role of language with respect to the article. *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*	mEDRA/CR DOI Deposit
ContentItem/Language/LanguageCode	see code lists sheet	1	Text language, in the three-letter ISO 639-2/B format. *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*	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. *CR requirements: the indication of a <PublicationDate> is mandatory. The publication year must be between 1400 and 2200.*	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	Copyight 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 CopyirghtOwner 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
ContentItem/RelatedProduct/Productdentifier/ProductIDType	01 (Proprietary), 02 ISBN-10 03 EAN-13 06 DOI 10 SICI 15 ISBN-13	1	Publication identifier type	mEDRA DOI Deposit
ContentItem/RelatedProduct/ProductIdentifier/IDValue	string	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
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 DOISerialArticleWork 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				
/DOISerialArticleWork				
/ONIXDOISerialArticleWorkRegistrationMessage				