mEDRA Citations Message: xml message overview

This document describes the message specifications to perform citations deposit and update on mEDRA and CrossRef (CR) systems using the mEDRA Citations Message format. Citations must refer either to DOI Serial Article Work or to DOI Serial Article Version records registered in ONIX for DOI 2.0 format. In order to perform citations deposit on mEDRA and CR, citations must refer to DOI records already registered on mEDRA and CR. Citations deposit on CR requires compliance with further requirements (CR Requirements) and recommendations (CR Recommendations) - not expressed in mEDRA Citations Message schema - that are necessary for correct comunication of citations metadata 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 mEDRA Citations Message schema depending on CrossRef Requirements and Recommendations. These Requirements and Recommendations are shown in the "Notes" column.

Element	Attribute	Datatype	Cardinality	Notes	Used for:
mEDRACitationMessage			1	Every valid citation message starts with the element <mEDRACitationMessage xsi:schemaLocation="http://www.medra.org/DOIMetadata/2.0/Citations http://www.medra.org/schema/onix/DOIMetadata/2.0/ONIX_DOICitations_2.0.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.medra.org/DOIMetadata/2.0/Citations"> and contains one and only one <Header> group and one or more occurrences of the <DOICitations> group	ALL Citations
Header			1	A valid mEDRACitationMessage must contain one and only one occurrence of the Header group	ALL Citations
Header/RecordReferenceNumber		string (4-100 char)	1	Identification code to the message. The code must be freely defined by the user, as an alphanumeric string of minimum 4 digits or characters.	ALL Citations
Header/FromCompany		string (1-130 char)	0-1	Message sender - Name of the organisation performing the DOI registration *CR Recommendations: the length of the value specified in the FromCompany element must be between 1 and 130 characters, otherwise it will be truncated.*	ALL Citations
Header/FromEmail		string (6-200)	1	The value in the FromEmail element will be used by the system to notify the feedback on the outcome of citations deposit. *WARNING: the entered e-mail address is checked for syntactic correctness. The regular expression has been derived from CrossRef (please see email_address in common 4.3.0)*	ALL Citations
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	ALL Citations
/Header					
Citations			1	Every mEDRACitationsMessage contains one and only one occurrence of the Citations group	ALL Citations
DOICitations			1-n	Group of elementsthat allows to enter, in each one of its occurrences, the list of citations associated to a DOI previously registered. Repeateble, to perform the citations list deposit for more DOIs. Citations must refer either to DOI Serial Article Work or to DOI Serial Article Version records registered in ONIX for DOI 2.0 format. metadata of a citation.	ALL Citations
DOICitations/DOI		string (6-2048 char)	1	The DOI assigned to the article which the citations list refers to. The DOI string must be specified 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 .*	ALL Citations
CitationList			0-1	<CitationList> group in the DOICitations group which allows to insert the list of citations (or bibliographic references) referring to an article which has been previously assigned with the DOI. Every CitationList 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).**	ALL Citations
/CitationList					

/DOICitations

/Citations

/mEDRACitationMessage

Elements of the CitationList group					

This document describes the specifications of the format of the <CitationList> record within the DOICitations record. The <CitationList> record may be used to deposit/update 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 <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)

Use case 1: Citation of an article

Element	Attribute	Datatype	Cardinality	Notes	Used for:
Citations/DOICitations/CitationList/			0-1		
.../CitationList/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 <ArticleCitation> must be associated with the key 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.	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/ISSN	media_type	4 digits + hyphen (optional) + 3 digits + 1 digit or the X character	0-1	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 <ISSN> element may be associated, optionally, with the media_type attribute (see attributes sheet), which allows to specify the format of the cited publication	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalTitle		string	1	Title of the publication in which the article appears.	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/AuthorName	referent-type	string	1	Name of the main author of the cited article. The <AuthorName> element must be mandatorily associated with the *referent-type* attribute, to specify whether the author is a physical person or an organization.	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalVolumeNumber		string (max 15 char)	0-1	Number of the volume, in which the journal appears. *Recommendations: the <JournalVolumeNumber> element is only sent to Crossref if its value length is smaller or equal to 15 characters.*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalIssueNumber		string (max 15 char)	0-1	Number of the cited publication. *Recommendations: the <JournalIssueNumber> element is only sent to Crossref if its value length is smaller or equal to 15 characters.*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalIssueDesignation		string	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
.../CitationList/ArticleCitation/FirstPageNumber		string (max 15 char)	1	Number of the first page of the cited publication (article or monograph). *CR Recommendations: the <FirstPageNumber> element is only sent to Crossref if its value length is smaller or equal to 15 characters .*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalIssueDate			0-1	Group of elements that allows to specify the issue date of the cited publication	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalIssueDate/DateFormat		ONIX 55 list	1	Date format. All date formats are allowed for the transfer to CR. *CR Recommendations: to optimally exploit the CR service it is recommended to use the format YYYY (value 05 in code list 55) or the format YYYYYYYY (value 11 in code list 55)*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/JournalIssueDate/Date		string in the format specified in <DateFormat>	1	Date string, in the format specified in the DateFormat element.	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/DOI		string (6-2048 char)	0-1	DOI of the cited article, in the form "10.prefix/suffix". Example: 10.1472/abdc. *CR Requirements: the <DOI> element value length must be between 6 and 2048 characters*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/ArticleTitle		string	0-1	Title of cited article	

Use case 2: Citation of a monograph

Element	Attribute	Datatype	Cardinality	Notes	
Citations/DOICitations/CitationList/			0-1		
.../CitationList/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 <ArticleCitation> must be associated with the key 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.	mEDRA/CR Citation deposit
.../ArticleCitation/BookTitle		string	1	Title of the cited monograph	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/ISBN		string (10 or 13 char.)	0-1	ISBN of the cited monograph, without hyphens	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/AuthorName	referent-type		1	Name of the main author of the cited monograph. The referent-type attribute is mandatory	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/ISSN	media_type	4 digits + hyphen (optional) + 3 digits + 1 digit or the X character	0-1	ISSN of the series in which the monograph appears. The media_type attribute is optional	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/TitleOfSeries		string (1-n)	0-1	Title of the series in which the cited monograph appears	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/NumberWithinSeries		string (max 15)	0-1	Number of the monograph within the series *CR Recommendations: the <NumberWithinSeries> is only sent to Crossref if its value length is smaller or equal to 15 characters.*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/EditionNumber		string (max 15)	0-1	Edition number of the cited monograph. *CR Recommendations: the <EditionNumber> element is only sent to Crossref if its value length is smaller or equal to 15 characters.*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/PublicationDate		8 or 4 characters: YYYY, YYYY-YYYY	1-n	Publication date of the cited monograph. *CR Recommendations: use the YYYY or the YYYY-YYYY format*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/ComponentNumber		string (1-50)	0-1	Number of a unit of content, section, chapter, within the cited monograph. *CR Recommendations: the <ComponentNumber> element is only sent to Crossref if its value length is smaller or equal to 50 characters.*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/FirstPageNumber		string (max 15 char)	0-1	Number of the first page of the cited monograph. *CR Recommendations: the <FirstPageNumber> element is only sent to Crossref if its value length is smaller or equal to 15 characters*	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/DOI		string (6-2048 char) with regex for the syntax	0-1	DOI of the cited monograph, in the form "10.prefix/suffix". Example: 10.1472/abdc. *CR Requirements: the <DOI> element value length must be between 6 and 2048 characters*	mEDRA/CR Citation deposit

Use case 3: DOI citation

Element	Attribute	Datatype	Cardinality	Notes	
Citations/DOICitations/CitationList/			0-1		
.../CitationList/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 <ArticleCitation> must be associated with the key 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.	mEDRA/CR Citation deposit

Element	Attribute	Datatype	Cardinality	Notes	
.../CitationList/ArticleCitation/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. *CR Requirements: the <DOI> element value length must be between 6 and 2048 characters*	mEDRA/CR Citation deposit
Use case 4: Citation of an unstructured format					
Element	**Attribute**	**Datatype**	**Cardinality**	**Notes**	
Citations/DOICitations/CitationList/			0-1		
.../CitationList/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 <ArticleCitation> must be associated with the key 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.	mEDRA/CR Citation deposit
.../CitationList/ArticleCitation/UnstructuredCitation		string	1	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

Attributes				
Element	Attribute	Cardinality	Format/Values	Notes
CitationList/ArticleCitation	*key*	1	string of minimum 11 characters with regex for the syntax	The *key* attribute is mandatory for each occurrence of <ArticleCitation>, to allow for the identification of the citation and the correct processing within the system. The *key* 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 <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.
CitationList/ArticleCitation/ISSN	*media_type*	0-1	print electronic	It allows to specify the publication format (paper or electronic of the cited publication)
CitationList/ArticleCitation/AuthorName	**referent-type**	1	person corporate	The *referent-type* attribute is mandatory and must be used to specify whether the cited author is a physical person or an organization