CATEGORY	ITEM	DESCRIPTION	NOTES ON FORMAT	SAMPLE TAG STRUCTURES
	_			
Batch File	DOI batch	Indicates the beginning/ending of file.	Mandatory element	<doi_batch version="0.3"></doi_batch>
			Takes a version attribute which is the version	
			of the DTD used for output	
** 1	1 . 1 . 1 . 1	The state of the s	current DTD version: 1.0	
Head	doi_batch_id	This is a Publisher generated item that identifies the batch. It will be used as a	Mandatory element.	<head> <doi_batch_id> 123456</doi_batch_id></head>
		reference in error messages sent by the	Format and content of this element is decided	<pre><ti><ti><tiy< pre=""><pre><ti><tiy< pre=""><pre><ti><tiy< pre=""><pre><ti><tiy< pre=""><pre><ti><tiy< pre=""><pre><ti><ti><ti><ti><tiy< pre=""><pre><ti><ti><ti><ti><ti><ti><ti><ti><ti><ti< td=""></ti<></ti></ti></ti></ti></ti></ti></ti></ti></ti></pre></tiy<></ti></ti></ti></ti></pre></tiy<></ti></pre></tiy<></ti></pre></tiy<></ti></pre></tiy<></ti></pre></tiy<></ti></ti></pre>
		MDDB	by the publisher.	<depositor></depositor>
				<name>Name of the Depositor</name>
				<pre><email_address>xyz@authorized_depositor.com </email_address></pre>
				<registrant>Name of Registrant</registrant>
	Time stamp	Indicates version of this batch file. This	Mandatory element.	
	Time sump	will be used to uniquely identify batch		
	limit: 35 chars.	files	This is an integer representation of date and	
			time. Publisher can determine format. Higher version numbers replace previously	
			received files with lower version control	
			numbers	
	Depositor	Information about the organization that		
		is sending the batch name	Mandatory element	
		name	Wandatory element	
			The name of the organization	
		email_address	Mandatory element	
			e-mail address to which batch success and/or	
			error messages are sent	
	Registrant	The organization that owns the	Mandatory element	
	1: 1: 1:20	information being registered		
Body	limit 130 chars Body	Indicates the beginning/ending of	Mandatory element	<body></body>
Dody	Dody	complete record set	ivialidatory element	Coody
		1	Contains one or more DOI/metadata record	
			sets	

CATEGORY	ITEM	DESCRIPTION	NOTES ON FORMAT	SAMPLE TAG STRUCTURES
Record	DOI Record	Indicates the beginning/ending of new DOI assignment Accepts a mandatory type attribute containing one of the following: • "full_text" - DOI points to full-text or to a response page that provides the user with option to select full text • "abstract_only" - DOI points to an article's abstract or to a response page that provides the user with option to select the abstract • "bibliographic_record" - DOI points to the article citation in (e.g. in a bibliographic database.) This may also include the abstract	Mandatory element. Type attribute default is "full_text" If the DOI maps in any way to the full text – even if it resolves to an intermediate screen that ultimately points to the full text, then the type should be "full text"	<doi_record type="full_text"></doi_record>
	Timestamp limit: 35 chars	Indicates version of the DOI record. This will be used to uniquely identify DOI assignments	Optional element This is an integer representation of date and time. Publisher can determine format. Higher version numbers replace previously received files with lower version control numbers	<timestamp>19990628123304</timestamp>
DOI data	DOI limit 256 chars	The DOI assigned to the record	Mandatory element	<doi_data> <doi>10.9876/S000369519903216</doi> <url>http://ojps.aip.org/link/?apl/74/2268/ab</url> </doi_data>
	URL limit 256 chars	The URL assigned to the DOI	Mandatory element	
Metadata for Journal Articles*	Article	Items that identify the article	Mandatory element	<article></article>
	Title*	The title of the article limit 512 chars	Optional element	<title> The complete title of the article</title>

CATEGORY	ITEM	DESCRIPTION	NOTES ON FORMAT	SAMPLE TAG STRUCTURES
<u> </u>	1			
	Author*	Author of the journal article to which the DOI points – not the author of the bibliographic record that may be a citation to the article. Author tag takes a mandatory author_sequence attribute indicating author status: • "first" – The first author listed on the article (this is not necessarily the corresponding author) "additional" – Any author who is not the first author	First author is mandatory if it exists. Additional authors are optional. Format of the names themselves is determined by the publisher. Publishers are encouraged to adopt consistent formatting. Where no standard has been established, publishers should consider using initials in the given name field to mimic what might be seen in a reference. Punctuation will be ignored by the MDDB	<author sequence="first"> <given_name>D. L.</given_name> <surname>Peng</surname> </author> <author sequence="additional"> <given_name>Kenneth C.</given_name> <surname>Smith</surname> </author> <author> <author sequence="additional"> <given_name>S.</given_name> <surname>S. <surname>Jones, III</surname> </surname></author></author>
		Given Name - Author's first name limit 35chars	This is the author's first name. The given name would also include middle name(s) or initials if they are available	
		Surname - Author's last name • limit 35chars	Last name information should also include suffix information (e.g. "jr." or "III") if available	
	Date	Publication dates that are seasonal rather than actual dates should not be converted to dates. See notes on issue numbering under "enumeration" for handling seasons.	Mandatory element. This element can repeat to accommodate multiple types of publication dates Takes an optional type attribute: • "print"-publication date of the print version • "online" -publication date of the electronic version • "other" publication date of type other than online or print Type attribute default is "print"	<date date_type="print"> <month>06</month> <day>15</day> <year>1999</year> </date> or: <date date_type="print"> <year>1999</year> </date>
		Month limit: exactly 2 digits	Format: mm	
		Day limit: exactly 2 digits Year limit: exactly 4 digits	Format: dd Mandatory element. Format: yyyy	
		i eai iiiiiii. exactiy 4 digits	ivianuatory element. Format: yyyy	

CATEGORY	ITEM	DESCRIPTION	NOTES ON FORMAT	SAMPLE TAG STRUCTURES
	<u> </u>			
	Enumeration limit 15 chars for each element in the enumeration	Consists of the following: Volume Issue first_page last_page article_number – publisher assigned number special_numbering – Issue level numbering for supplements or special issues	These elements are all mandatory, if they exist. Data may be alpha, numeric or a combination. Notes on issue numbering: Only one issue name should be used for the <issue> element. The issue number takes precedent over any other name. For example, if an issue has only a seasonal name, then the season should be listed in the <issue> element. However, if an issue has a number and a season, then only the number should be listed in the <issue> element. See example.</issue></issue></issue>	volume 74, issue 3 Spring 1999 should be represented as follows: <enumeration> <volume>74</volume> <issue>3</issue> <first_page>76</first_page> <last_page> 80 </last_page> </enumeration> volume 74 Spring 1999 should be represented as follows: <enumeration> <volume>74</volume> <issue>Spring</issue> <first_page>76</first_page> <last_page>80 </last_page> </enumeration> <volume>74</volume> <issue>Spring</issue> <first_page>76</first_page> <last_page>80 </last_page>
	identifier limit 256 chars for each element identified Journal	Article identifiers Items that identify the journal	Optional element. Can repeat to indicate any identifiers used in referring to this article: Type attribute is mandatory • pii – Publisher Item Identifier • sici – Serial Item and Contribution Identifier • doi – digital object identifier • other – article id other than what is listed above Mandatory element. Must contain at least one of the journal elements listed (full_title, abbrev_title, issn or coden)	<identifier type="pii"> S0003695199019014</identifier> <pre> <journal> <full_title>Journal Title</full_title> <abbrev_title>Jrnl. Title</abbrev_title> <issn type="print">1234-5678</issn> <issn type="electronic">9876-5432</issn> <coden>applab</coden> </journal></pre>
	full_title	the complete journal title limit: limit 256 chars	Mandatory element.	

CATEGORY	ITEM	DESCRIPTION	NOTES ON FORMAT	SAMPLE TAG STRUCTURES
	abbrev_title	abbreviated title	Optional element.	
		limit: 150 chars	Can be a repeating element containing common abbreviations used in referencing this title	
	issn	ISSN	Mandatory element – if it exists.	
		limit: exactly 8 chars (in database). Exactly 8 chars. or exactly 9 chars. are allowed for submission	Format should conform with ISSN standards. Stored in the MDDB as an 8 character field. Any hyphens, spaces, periods as the 5 th element will be ignored by the MDDB. This element can be repeated to indicate	
			multiple ISSN	
			ISSN contains a mandatory type attribute.: • "print" – for Print ISSN	
			• "electronic" – for Electronic ISSN Type attribute default is "print"	
	coden	codenlimit: 6 chars	Optional element	

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*NOTE: Character Set

All non-ASCII characters should be in Unicode. This can be done by a character reference in either hex or decimal. For example, Müller, containing a u with an umlaut could be Mü ller or Mü ller. You can also explicitly include multi-byte characters using UTF-8, a multi-byte encoding. SGML entities are not valid in XML submissions to CrossRef.