



NTM-Metadata-Schema Metadata-Schema for non-textual Materials

Version 2.2

Based on DataCite metadata scheme version 2.1

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Mandatory Properties

The indicator A/C shows whether the property being described is an attribute (A) or a child (C) of the corresponding property that has preceded it.

The column Occurrence (Occ) indicates cardinality/quantity constraints for the properties as follows:

0-n = optional and repeatable

1-n = required and repeatable

0-1 = optional, but not repeatable

1 = required, but not repeatable

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
1	Creator	Name of the persons, who are responsible for the content of the resource.		1-n	May be a corporate/institutional or personal name. The personal name format should be: family, given. Non-roman names should be transliterated according to the ALA-LC schemes found at http://www.loc.gov/catdir/cpsd/roman.html
1.1	creatorName	Name of the creator/ author.	C	1	Example: Smith, John; Miller, Elizabeth
1.2	nameIdentifier	Uniquely identifies an individual or legal entity, according to various schemes.	A	0-1	The format is dependent upon scheme.
1.2.1	nameIdentifierScheme	The name of the name identifier scheme.	A	1	If nameIdentifier is used, nameIdentifierScheme is mandatory. Examples: ORCID, ISNI
1.2.2	schemeURI	The URI of the name identifier scheme.	A	0-1	Examples: http://www.isni.org or http://www.orcid.org
<pre> <creators> <creator > <creatorName>Blümel, Ina</creatorName> <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org"/>orcid.org/0000-0002-3075-7640</nameIdentifier> </creator> </creators> </pre>					
2	Title	Title of the resource.		1-n	The format is open.
2.1	titleType	Type of the title.	A	0-n	Controlled Vocabulary: - Subtitle - AlternativeTitle
2.2	language	Language of the title.	A	0-1	Controlled Vocabulary: ISO 639-2/B Example: eng, fre, ger
<pre> <titles> <title language="eng">any title</title> <title titleType="Subtitle" language="eng">any subtitle</title> <title titleType="AlternativeTitle" language="ger">any alternativeTitle</title> </titles> </pre>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
3	Publisher	Persons or organization(s) who/which are making the film available to the general public.		1-n	May be a corporate/institutional or personal name. The personal name format should be: family, given. Non-roman names should be transliterated according to the ALA-LC schemes found at http://www.loc.gov/catdir/cpsd/roman.html
3.1	publisherName	Name of the publisher.	C	1	Examples: Leibniz Universität Hannover (LUH); Rachel Carson Center for Environment and Society (RCC);
3.2	nameIdentifier	Uniquely identifies an individual or legal entity, according to various schemes.	C	0-1	The format is dependent upon scheme.
3.2.1	nameIdentifierScheme	The name of the name identifier scheme.	A	1	Examples: ORCID, ISNI
3.2.2	schemeURI	The URI of the name identifier scheme.	A	0-1	Examples: http://www.isni.org oder http://www.orcid.org
<pre> <publishers> <publisher > <publisherName>Blümel, Ina</publisherName> <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org"/>orcid.org/0000-0002-3075-7640</nameIdentifier> </publisher> </publishers> </pre>					
4	PublicationYear	The year when the film was or will be made publicly available.		1	YYYY If an embargo period has been in effect, use the date when the embargo period ends.
<pre><publicationYear>2011</publicationYear></pre>					
5	Language	The primary language of the resource.		1	Controlled Vocabulary: ISO 639-2/B Example: eng, fre, ger Special codes: zzx = No linguistic content qot = Original sound, no spoken text qno = Silent film
<pre><language>ger</language></pre>					

Optional Properties

The indicator A/C shows whether the property being described is an attribute (A) or a child (C) of the corresponding property that has preceded it. The column Occurrence (Occ) indicates cardinality/quantity constraints for the properties as follows:

0-n = optional and repeatable

0-1 = optional, but not repeatable

1-n = required and repeatable

1 = required, but not repeatable

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
6	VideoSubtitleLanguage	The subtitle language of the video.		0-1	Controlled Vocabulary: ISO 639-2/B Examples: eng, fre, ger
<code><videoSubtitleLanguage>ger</videoSubtitleLanguage></code>					
7	Contributor	All persons and organizations that were involved in the making of the resource.		0-n	The personal name format should be: family, given. The functions of the contributors may be given in brackets. Example: Fraser, Oliver (camera) Non-roman names should be transliterated according to the ALA-LC schemes found at http://www.loc.gov/catdir/cpsa/roman.html
7.1	contributorName	Name and function of the contributor.			Example: surname, first name (function)
7.2	nameIdentifier	Uniquely identifies an individual or legal entity, according to various schemes.	A	0-1	The format is dependent upon scheme.
7.2.1	nameIdentifierScheme	The name of the name identifier scheme.	A	1	Examples: ORCID, ISNI
7.2.2	schemeURI	The URI of the name identifier scheme.	A	0-1	Examples: http://www.isni.org or http://www.orcid.org
<pre> <contributors> <contributor> <contributorName>German National Library of Science and Technology Hannover</contributorName> <nameIdentifier nameIdentifierScheme="ISNI" schemeURI="http://www.isni.org">0000 0001 2174 6694</nameIdentifier> </contributor> <contributor><contributorName>Müller, Markus (Regie)</contributorName></contributor> </contributors> </pre>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
8	Producer			0-n	May be a corporate/institutional or personal name. The personal name format should be: family, given. Non-roman names should be transliterated according to the ALA-LC schemes found at http://www.loc.gov/catdir/cpsd/roman.html
8.1	producerName	Name of the producer.	C	1	
8.2	nameIdentifier	Uniquely identifies an individual or legal entity, according to various schemes.	C	0-1	The format is dependent upon scheme.
8.2.1	nameIdentifierScheme	The name of the name identifier scheme.	A	1	Examples: ORCID, ISNI
8.2.2	schemeURI	The URI of the name identifier scheme.	A	0-1	Examples: http://www.isni.org or http://www.orcid.org
<pre> <producers> <producer> <producerName>German National Library of Science and Technology Hannover</producerName> <nameIdentifier nameIdentifierScheme="ISNI" schemeURI="http://www.isni.org">0000 0001 2174 6694</nameIdentifier> </producer> </producers> </pre>					
9	ProductionYear	The year in which the film was produced.		0-1	YYYY Information of a time period should be indicated in the format "YYYY/YYYY". If an embargo period has been in effect, use the year when the embargo period ends.
<pre><productionYear>2011</productionYear></pre>					
10	ProductionPlace	The place of production.		0-1	
<pre><productionPlace>Berlin</productionPlace></pre>					
11	ResourceType	The type of the object.		0-1	Controlled List: - Audiovisual - Audio
<pre><resourceType>Audiovisual</resourceType></pre>					
12	Genre	Type of the genre.		0-1	Controlled List: - Computer Animation - Conference - Experiment - Interview - Lecture - Research Data - Video Abstract
<pre><genre>Lecture</genre></pre>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
13	SubjectArea	Classification into subject areas.		1-n	Controlled List: - Architecture - Information Science - Arts and Media - Information Technology - Chemistry - Life Sciences - Earth Sciences - Mathematics - Economics/Social Sciences - Medicine - Engineering - Physics - Environmental Sciences/Ecology - Psychology - Ethnology - Sports Science - History
<code><subjectAreas><subjectArea>Physics</subjectArea> </subjectAreas></code>					
14	Keywords	Assignment of keywords.		0-n	The format is open.
14.1	language	Language of the keywords.	A	0-1	Controlled Vocabulary: ISO 639-2/B Example: eng, fre, ger
<code><keywords> <keyword language="ger">Deskriptor 1</keyword> <keyword language="eng">Deskriptor 2</keyword> </keywords></code>					
15	Description	Abstract or comments about technical features, which must be considered in long-term archiving and encoding into another format, such as color or sound.		0-n	The format is open.
15.1	descriptionType	The type of the description.	A	1	Fixed Values: - Abstract - TechnicalRemarks
15.2	language	Language of the abstract.	A	0-1	Controlled Vocabulary: ISO 639-2/B Example: eng, fre, ger
<code><descriptions> <description descriptionType="Abstract" language="eng">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus congue arcu sed augue imperdiet pharetra. Vestibulum ac elit metus, id scelerisque erat. Pellentesque malesuada sem non.</description> </descriptions></code>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
16	Subject	Classification code or key phrase describing the resource.		0-n	
16.1	subjectScheme	The name of classification.	A	1	Controlled List: - BKL (Basic Classification) - DDC (Dewey Decimal Classification) - SWD (Schlagwortnormdatei) - Other
<pre><subjects> <subject subjectScheme="BK">31.00</subject> <subject subjectScheme="DCC">371.192</subject> <subject subjectScheme="SWD">Mathematische Optimierung</subject> </subjects></pre>					
17	DOI	Digital Object Identifier (DOI), if a DOI already exists.		0-1	Name of the DOI.
<pre><DOI>10.5446/44</DOI></pre>					
18	alternateIdentifier	An identifier other than DOIs.		0-n	Free text.
18.1	alternateIdentifierType	The type of the alternateIdentifier.	A	1	Free text.
<pre><alternateIdentifiers> <alternateIdentifier alternateIdentifierType="URL">http://example.de</alternateIdentifier> </alternateIdentifiers></pre>					
19	Series			0-1	
19.1	seriesTitle	Title of the series.	C	1	
19.2	seriesPublisher	Publisher of the series.	C	0-1	
19.3	totalPartNo	Total Part Number of all resources of the series.	C	0-1	
19.4	partNo	Part number of the resource.	C	0-1	
<pre><series> <seriesTitle>Philosophie in der Technik</seriesTitle> <seriesPublisher>the publisher of the series</seriesPublisher> <totalPartNo>6</totalPartNo> <partNo>3</partNo> </series></pre>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
20	AdditionalMaterial	Information about the additionalMaterial.		0-n	
20.1	additionalMaterialType	Type of the additionalMaterial: Link or a MS-Office-file.	A	1	Controlled List: - File - URL
20.2	additionalMaterialTitle	The title of the additionalMaterial.	A	0-1	
20.3	relatedIdentifier	Identifier of related resource.	A	0-n	Example: 10.1594/PANGAEA.726506
20.4	relatedIdentifierType	The type of the RelatedIdentifier.	A	0 -1	Controlled List: - ARK - ISBN - arXiv - ISSN - bibcode - ISTC - DOI - LISSN - EAN13 - LSID - EIDR - PURL - EISSN - URI - Handle - URL - PROBADO
20.5	relationType	Description of the relationship of the resource being registered (A) and the related resource (B).	A	1	Controlled List: - isCitedBy (indicates that B includes A in a citation) - cites (indicates that A includes B in a citation) - isSupplementedTo (indicates that A is a supplement to B) - isSupplementedBy (indicates that B is a supplement to A)
<pre> <additionalMaterials> <additionalMaterial additionalMaterialType="File" additionalMaterialTitle="title of the additional material" relatedIdentifier="10.1594/PANGAEA.726506" relatedIdentifierType="DOI" relationType="IsSupplementTo" >example.pdf</additionalMaterial> <additionalMaterial additionalMaterialType="URL" additionalMaterialTitle="title of the additional material" relatedIdentifier="10.1594/PANGAEA.726505" relatedIdentifierType="DOI" relationType="IsSupplementTo" >http://www.example.com</additionalMaterial> </additionalMaterials> </pre>					

ID	NTM-Property	Definition	A/C	Occ	Allowed values, examples, other constraints
21	Link	1. Link that leads to video on your own website, if the video will not be hosted by TIB. 2. Link that leads to the thumbnail of your video, if the video will not be hosted by TIB.		0-1	The link to the video and to the thumbnail are only mandatorily required, if the video will not be hosted by the TIB.
21.1	linkType	Type of the Link.	A	1	Controlled List: - linkToExternalData - linkToThumbnail
<pre><links> <linkType="linkToExternalData">http://www.linkexample/your_video</link> <link linkType="linkToThumbnail">www.linkexample/to_the_thumbnail_of_the_video</link> </links></pre>					
22	Rights	Name of the Creative Commons license valid for the object.		0-1	Use the abbreviated form of the Creative Commons license.
22.1	rightsURI	The URI of license.	A	1	The URI of the license.
<pre><rights rightsURI="https://creativecommons.org/licenses/by-sa/3.0/de">CC BY-SA 3.0 DE</rights></pre>					
23	Format	File Format. Use file extensions.		0-1	The format is open. Examples : „flv“, „mpg“
<pre><format>mpg</format></pre>					
24	Size	File Size		0-1	The format is open. Example: „300 MB“
<pre><size>155 MB</size></pre>					
25	Duration			0-1	Controlled Format: hh:mm:ss:ms
<pre><duration>00:20:16:09</duration></pre>					
26	IWFSignature	Signatures of the IWF-films.		0-1	This element is only relevant for the metadata export of the TIB.
<pre><iwfSignature>C 1907</iwfSignature></pre>					