LEIBNIZ-INFORMATIONSZENTRUM
TECHNIK UND NATURWISSENSCHAFTEN
UNIVERSITÄTSBIBLIOTHEK

CONSERVATION METADATA DATA DICTIONARY

VERSION 3.0

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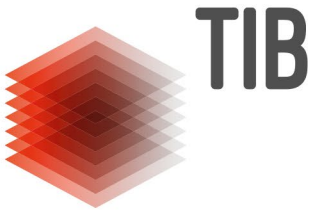

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ABBREVIATIONS & DEFINITIONS

IE – Intellectual Entity

"An Intellectual Entity is a distinct intellectual or artistic creation that is considered relevant to a designated community in the context of digital preservation: for example, a particular book, map, photograph, database, or hardware or software. An Intellectual Entity can include other Intellectual Entities; for example, a web site can include a web page and a web page can include an image. An Intellectual Entity may have one or more digital or non-digital Representations."

PREMIS Data Dictionary for Preservation Metadata, version 3.0 June 2015, p. 18, http://www.loc.gov/standards/premis/v3/premis-3-0-final.pdf

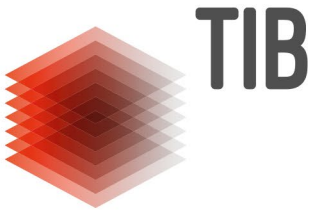
1. Purpose and Structure

During the project "Digitalisierung EthnoLogischer FilmbesTand" (DELFT)[1] we searched for a standardized way to record and store the finding of an inspection of an analogue film in order to document the state of the analogue object at the moment of digitization. We found out that usually existing reports follow certain rules, but are written as freetext in a not standardized way. They come in the form of a word-file, or a description field in a database.
Transferring the findings of an inspection into XML which follows a metadata scheme comes with advantages. The report can be checked for completeness as certain fields are declared as mandatory. For certain metadata a fixed set of possible answers are defined. Furthermore the schematic way of capturing the metadata allows a faster way of searching e.g. finding all copies which have a high pH-value.

The data dictionary describes each element and gives more information of the structure of the xml. For each element a table with the following rows describes the components:

definition	Definition of the element
rationale	Why is there a need for the element?
diagram	A diagram of the element and subelements
properties	Cardinality (if defined), content (complex if element consists of child elements, simple if no child elements), necessity (mandatory, required,optional)
children	Child elements
attributes	Attributes, their type and necessity (mandatory, required,optional)
annotation	Documentation in German
source	Section of the xsd-scheme
example in XML	Example

[1] https://projects.tib.eu/delft/

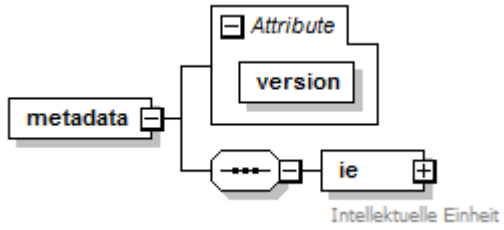


2. Elements of the Conservation Metadata Scheme

Schema **TIBFilmConservationMetadata.xsd**

schema location:	**https://github.com/TIB-Digital-Preservation/FilmConservationMetadata/blob/main/TIBFilmConservationMetadata.xsd**
attributeFormDefault:	**unqualified**
elementFormDefault:	**qualified**

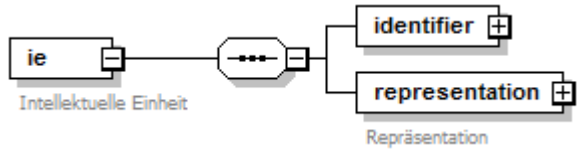
2.1. ELEMENT METADATA

definition	Groups all metadata
rationale	A set of content that is considered a single intellectual unit for purposes of management and description (PREMIS Editorial Committee, p. 33)
diagram	
properties	content / complex / mandatory
children	**ie**
attributes	Name Type Use version **xs:decimal** required
source	<xs:element name="metadata"> <xs:complexType> <xs:sequence> </xs:sequence> […] <xs:attribute name="version" type="xs:decimal" use="required"/> </xs:complexType> </xs:element>
example in XML	<ie xsi:noNamespaceSchemaLocation="https://github.com/TIB-Digital-Preservation/FilmConservationMetadata/blob/main/TIBFilmConservationMetadata.xsd" version="3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

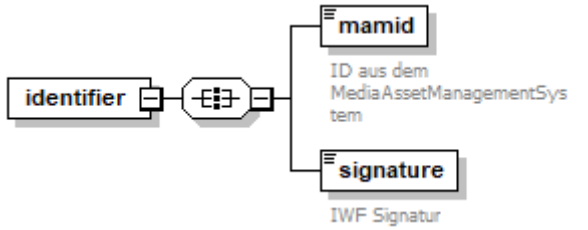
2.1.1. ATTRIBUTE IE/@VERSION

definition	describes the version of the metadata scheme which is applicable.
rationale	Changes in the metadata scheme lead to a new version of it. The metadata can be validated against the applicable metadata scheme.
type	xs:decimal
properties	use / - / required
source	<xs:attribute name="version" type="xs:decimal" use="required"/>
example in XML	<ie xsi:noNamespaceSchemaLocation="https://github.com/TIB-Digital-Preservation/FilmConservationMetadata/blob/main/TIBFilmConservationMetadata.xsd" version="3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

2.2. ELEMENT METADATA/IE

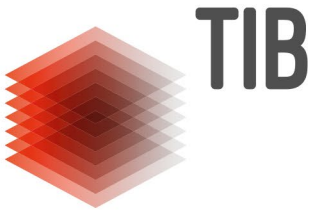
definition	describes an intellectual entity (IE).
rationale	A set of content that is considered a single intellectual unit for purposes of management and description (PREMIS Editorial Committee, p. 33)
diagram	
properties	content / complex / mandatory
children	**Identifier, total_parts, reel**
attributes	Name Type Use version **xs:decimal** required
source	<xs:element name="ie"> <xs:annotation> <xs:documentation xml:lang="de">Intellektuelle Einheit</xs:documentation> <xs:documentation xml:lang="en">intellectual entity</xs:documentation> </xs:annotation> <xs:complexType> [...] </xs:complexType> </xs:element>
example in XML	<ie xsi:noNamespaceSchemaLocation="https://projects.tib.eu/fileadmin/data/delft/img/DelftConservationMetadata.xsd" version="2.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

2.2.1. ELEMENT METADATA/IE/IDENTIFIER

definition	contains internal identifiers of the intellectual entity.
rationale	The identifier is unique to the intellectual entity therefore the relation between metadata concerning the intellectual entity from different systems is maintained.
diagram	
properties	content / complex / mandatory
children	mamid, signature
source	<xs:element name="identifier"> <xs:complexType> <xs:all> <xs:element name="mamid" type="xs:integer"> <xs:annotation> <xs:documentation>ID aus dem MediaAssetManagementSystem</xs:documentation> </xs:annotation> </xs:element> <xs:element name="signature" type="xs:string"> <xs:annotation> <xs:documentation>IWF Signatur</xs:documentation> </xs:annotation> </xs:element> </xs:all> </xs:complexType> </xs:element>
example in XML	<identifier> <mamid>16605</mamid> <signature>E 1399</signature> </identifier>

2.2.1.1. ELEMENT METADATA/IE/IDENTIFIER/MAMID

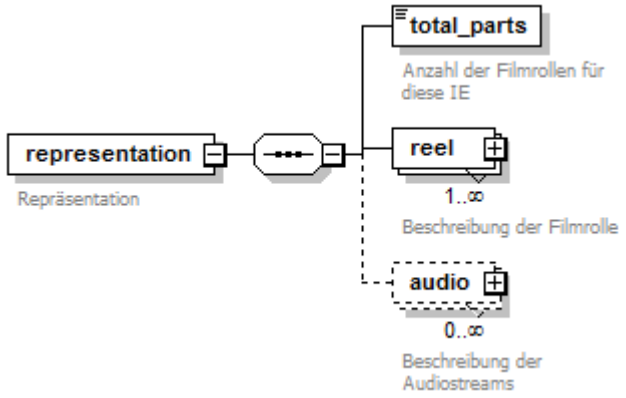
definition	contains the Media Asset Management Identifier (MAMID). The MAMID is a running number and identifies a particular language version of the intellectual entity inside the Media Asset Management System of TIB.
rationale	The MAMID is the identifier which is used in the Media Assett Management System.
type	xs:integer
properties	content / simple / mandatory
annotation	documentation ID aus dem MediaAssetManagementSystem
source	<xs:element name="mamid" type="xs:integer"> <xs:annotation> <xs:documentation xml:lang="de">Identifier aus dem MediaAssetManagementSystem</xs:documentation> <xs:documentation xml:lang="en">Identifier from MediaAssetManagementSystem</xs:documentation> </xs:annotation> </xs:element>
example in XML	<identifier> <mamid>16605</mamid> <signature>E 1399</signature> </identifier>



2.2.1.2. ELEMENT METADATA/IE/IDENTIFIER/SIGNATURE

definition	contains the signature of the intellectual entity
rationale	The Signature is an identifier for the intellectual entity regardless the language version. It can be found on the physical item. For holdings of the TIB the Signature was assigned by the IWF and is furthermore searchable in the backend of the Media Asset Management System of TIB.
type	xs:string
properties	content / simple / mandatory
annotation	documentation IWF Signatur
source	<xs:element name="signature" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="de">IWF Signatur</xs:documentation> <xs:documentation xml:lang="en">IWF signature</xs:documentation> </xs:annotation> </xs:element>
example in XML	<identifier> <mamid>16605</mamid> <signature>E 1399</signature> </identifier>

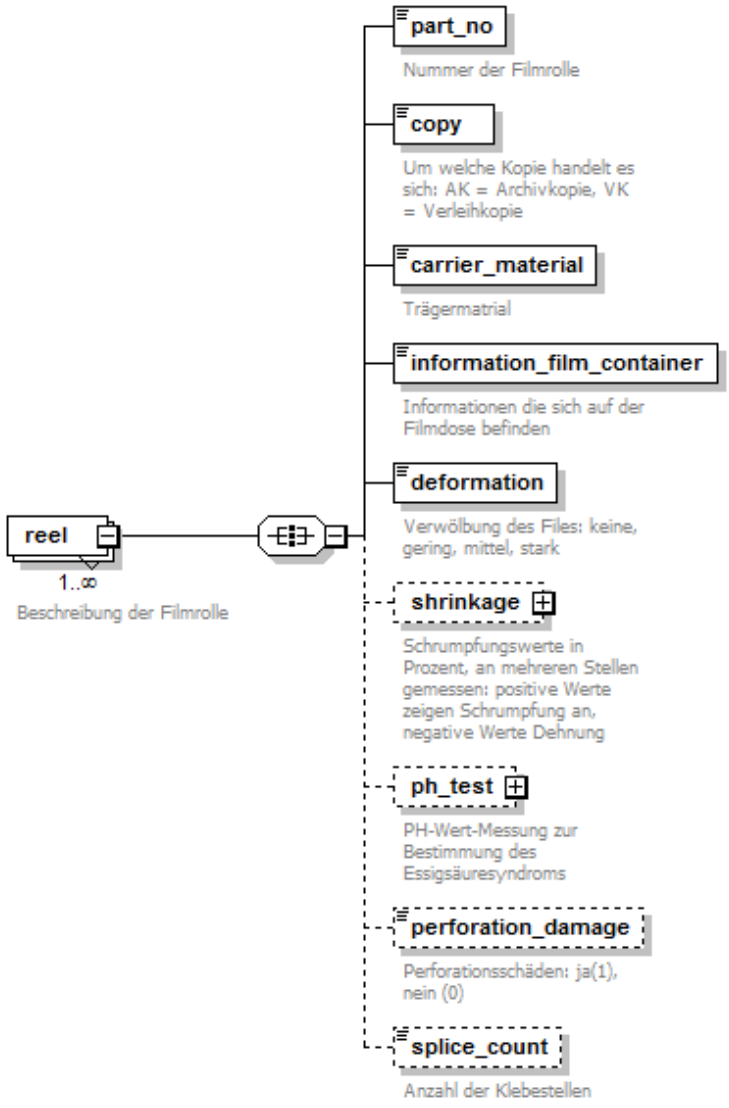
2.2.2. ELEMENT METADATA/IE/ REPRESENTATION

definition	Contains information on the representation of the ie
rationale	The analogue representation of the film may be divided into several parts and includes one or more reels and might include different audio streams.
diagram	
properties	content / complex / mandatory
children	total parts, reel, audio
source	<xs:element name="representation"> <xs:annotation> <xs:documentation xml:lang="de">Repräsentation</xs:documentation> <xs:documentation xml:lang="en">representation</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> […] </xs:sequence> </xs:complexType> </xs:element>
example in XML	< representation > […] </ representation >

2.2.3. ELEMENT METADATA/IE/REPRESENTATION/TOTAL_PARTS

definition	describes of how many reels the film consists.
rationale	A film might be spread over more than one reel, and for each reel the conditions are reported individually.
type	xs:integer
properties	content / simple / mandatory
annotation	documentation Anzahl der Filmrollen für diese IE
source	<xs:element name="total_parts" type="xs:integer"> <xs:annotation> <xs:documentation xml:lang="de">Anzahl der Filmrollen für diese IE</xs:documentation> <xs:documentation xml:lang="en">Total number of filmreels for the given IE</xs:documentation> </xs:annotation> </xs:element>
example in XML	<total_parts>1</total_parts>

2.2.4. ELEMENT METADATA/IE/REPRESENTATION/REEL

definition	describes the conditions of the reel at the time of digitization.
rationale	The conditions offer an inside on the state of the material.
diagram	
properties	content / complex / mandatory minOcc: 1 maxOcc: unbounded repeatable:
children	part_no, copy, file_base, shrinkage, ph_test, perforation_damage, splice_count, deformation, information_film_container

annotation	documentation Beschreibung der Filmrolle
source	<xs:element name="reel" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="de">Beschreibung der Filmrolle</xs:documentation> <xs:documentation xml:lang="en">Description of the filmreel</xs:documentation> </xs:annotation> <xs:complexType> [...] </xs:complexType> </xs:element>
example in XML	<reel> <part_no>1</part_no> <copy>AK</copy> <file_base>Azetat</file_base> <shrinkage> <date_measured>2019-12-17</date_measured> <min_value>-0.5705680000</min_value> <max_value>-0.4813880000</max_value> <average>-0.530762516491065</average> </shrinkage> <perforation_damage>0</perforation_damage> <splice_count>0</splice_count> <deformation>gering</deformation> <information_film_container>neue Testkopie v IN abgenommen Firma Atlantik Film Hamburg 22.2.90</information_film_container> </reel>

2.2.4.1. ELEMENT METADATA/IE/REPRESENTATION/REEL/PART_NO

definition	describes the number of the part. Each film begins with part/reel number one and may have more than one part/reel.
rationale	The conditions of the reels are recorded individually.
type	xs:integer
properties	content / simple / mandatory
annotation	documentation Nummer der Filmrolle
source	<xs:element name="part_no" type="xs:integer"> <xs:annotation> <xs:documentation xml:lang="de">Nummer der Filmrolle</xs:documentation> <xs:documentation xml:lang="en">Number of filmreel</xs:documentation> </xs:annotation> </xs:element>
example in XML	<part_no>1</part_no>

2.2.4.2. ELEMENT METADATA/IE/REPRESENTATION/REEL/COPY

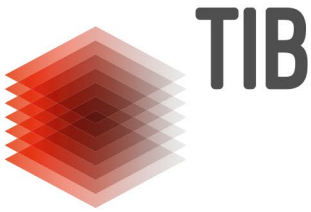
definition	describes the copy which was chosen for digitization. Each intellectual entity is available in different copies.
rationale	Different copies are available, the chosen copy is documented in order to identify the copy at a later point in time. Possible abbreviations: AK -> Archivkopie, was a reference copy where chroma is determined. VK -> Verleihkopie, copy for rental services, usually there was more than one renal copy
type	xs:string
properties	content / simple / mandatory
annotation	documentation Um welche Kopie handelt es sich: AK = Archivkopie, VK = Verleihkopie
source	<xs:element name="copy" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="de">Um welche Kopie handelt es sich: AK = Archivkopie, VK = Verleihkopie</xs:documentation> <xs:documentation xml:lang="en">Which copy is described: AK = archvial copy, VK = copy for rent</xs:documentation> </xs:annotation> </xs:element>
example in XML	<copy>AK</copy>

2.2.4.3. ELEMENT METADATA/IE/REPRESENTATION/REEL/CARRIER_MATERIAL

definition	describes the carrier material.
rationale	The carrier material is an important information for the conservation of the material.
type	xs:string
properties	content / simple / mandatory
annotation	documentation Trägermatrial
source	<xs:element name=" carrier_material " type="xs:string"> <xs:annotation> <xs:documentation xml:lang="de">Trägermatrial</xs:documentation> <xs:documentation xml:lang="en">Carrier material</xs:documentation> </xs:annotation> </xs:element>
example in XML	< carrier_material >Azetat</ carrier_material >

2.2.4.4. ELEMENT METADATA/IE/REPRESENTATION/REEL/INFORMATION_FILM_CONTAINER

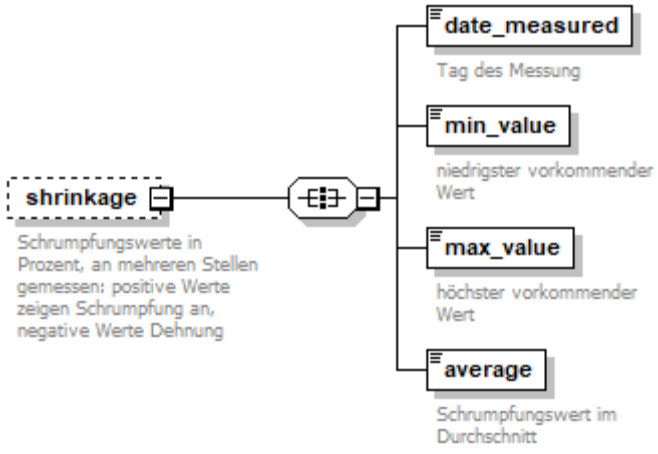
definition	contains the text from film container
rationale	The text contains important information, e.g. year of copy process, processing laboratory, remarks.
type	xs:string
properties	content / simple / mandatory
annotation	documentation Informationen die sich auf der Filmdose befinden
source	<xs:element name="information_film_container" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="de">Informationen die sich auf der Filmdose befinden</xs:documentation> <xs:documentation xml:lang="en">Information on the film container</xs:documentation> </xs:annotation> </xs:element>
example in XML	<information_film_container>neue Testkopie v IN abgenommen Firma Atlantik Film Hamburg 22.2.90</information_film_container>



2.2.4.5. ELEMENT METADATA/IE/REPRESENTATION/REEL/DEFORMATION

definition	describes the deformation of the film at the time of digitization
rationale	A deformed film leads to a more difficult process of digitization and may lead to blurriness in the resulting digital file.
type	restriction of xs:string
properties	content / simple / mandatory
facets	kind Value Annotation enumeration keine enumeration gering enumeration mittel enumeration stark
annotation	documentation Verwölbung des Files: keine, gering, mittel, stark
source	<xs:element name="deformation" block="restriction"> <xs:annotation> <xs:documentation xml:lang="de">Verwölbung des Files: keine, gering, mittel, stark</xs:documentation> <xs:documentation xml:lang="en">Deformation of film: no, low, medium, high</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="keine"/> <xs:enumeration value="gering"/> <xs:enumeration value="mittel"/> <xs:enumeration value="stark"/> </xs:restriction> </xs:simpleType> </xs:element>
example in XML	<deformation>gering</deformation>

2.2.4.6. ELEMENT METADATA/IE/REPRESENTATION/REEL/SHRINKAGE

definition	describes the shrinkage in percent.
rationale	Shrinkage effects the possibilities of digitization.
diagram	
properties	content / complex / optional
children	date_measured, min_value, max_value, average
annotation	documentation Schrumpfungswerte in Prozent, an mehreren Stellen gemessen: positive Werte zeigen Schrumpfung an, negative Werte Dehnung
source	<xs:element name="shrinkage"> <xs:annotation> <xs:documentation xml:lang="de">Schrumpfungswerte in Prozent, an mehreren Stellen gemessen: positive Werte zeigen Schrumpfung an, negative Werte Dehnung</xs:documentation> <xs:documentation xml:lang="en">Values of shrinkage in percent, measured on several point: positive value show a shrinkage, negative values distension</xs:documentation> </xs:annotation> <xs:complexType> [...] </xs:complexType> </xs:element>
example in XML	<shrinkage> <date_measured>2019-12-17</date_measured> <min_value>-0.5705680000</min_value> <max_value>-0.4813880000</max_value> <average>-0.530762516491065</average> </shrinkage>

2.2.4.6.1. ELEMENT METADATA/IE/REPRESENTATION/REEL/SHRINKAGE/DATE_MEASURED

definition	describes the date the shrinkage was measured.
rationale	Contextualizes the value, and allows comparison of shrinkage over time.
type	xs:date
properties	content / simple / mandatory
annotation	documentation Tag des Messung
source	<xs:element name="date_measured" type="xs:date"> <xs:annotation> <xs:documentation xml:lang="de">Tag des Messung</xs:documentation> <xs:documentation xml:lang="en">Day of measurement</xs:documentation> </xs:annotation> </xs:element>
example in XML	<date_measured>2019-12-17</date_measured>

2.2.4.6.2. ELEMENT METADATA/IE/REPRESENTATION/REEL/SHRINKAGE/MIN_VALUE

definition	describes the minimal measured shrinkage of the material.
rationale	The information from the scanning process mesures shrinkage at different positions of the film.
type	xs:decimal
properties	content / simple / mandatory
annotation	documentation niedrigster vorkommender Wert
source	<xs:element name="min_value" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="de">niedrigster vorkommender Wert</xs:documentation> <xs:documentation xml:lang="en">minimum measured value</xs:documentation> </xs:annotation> </xs:element>
example in XML	<min_value>-0.5705680000</min_value>

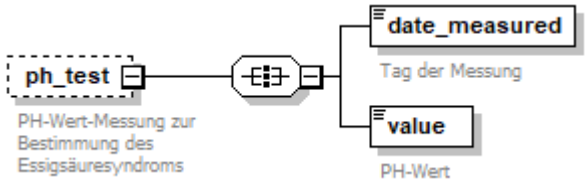
2.2.4.6.3. ELEMENT METADATA/IE/REPRESENTATION/REEL/SHRINKAGE/MAX_VALUE

definition	describes the maximal measured shrinkage of the material.
rationale	The information from the scanning process mesures shrinkage at different positions of the film.
type	xs:decimal
properties	content / simple / mandatory
annotation	documentation höchster vorkommender Wert
source	<xs:element name="max_value" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="de">höchster vorkommender Wert</xs:documentation> <xs:documentation xml:lang="en">maximum measured value</xs:documentation> </xs:annotation> </xs:element>
example in XML	<max_value>-0.4813880000</max_value>

2.2.4.6.4. ELEMENT METADATA/IE/REPRESENTATION/REEL/SHRINKAGE/AVERAGE

definition	describes the average measured shrinkage of the material.
rationale	The information from the scanning process mesures shrinkage at different positions of the film. The average allows an interpretation of the the tendency of shrinkage.
type	xs:decimal
properties	content / simple / mandatory
annotation	documentation Schrumpfungswert im Durchschnitt
source	<xs:element name="average" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="de">Schrumpfungswert im Durchschnitt</xs:documentation> <xs:documentation xml:lang="en">Average shrinkage</xs:documentation> </xs:annotation> </xs:element>
example in XML	<average>-0.530762516491065</average>

2.2.4.7. ELEMENT METADATA/IE/REPRESENTATION/REEL/PH_TEST

definition	describes the outcome of an Ph-Test, is not mandatory
rationale	Measuring the Ph-value leads to information on vinegar syndrome.
diagram	
properties	content / complex / optional
children	date_measured, value
source	<xs:element name="ph_test" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="de">PH-Wert-Messung zur Bestimmung des Essigsäuresyndroms</xs:documentation> <xs:documentation xml:lang="en">pH-value measurement in order to detect vinegar syndrome</xs:documentation> </xs:annotation> <xs:complexType> [...] </xs:complexType> </xs:element>
example in XML	<ph_test> <date_measured>02.03.2018</date_measured> <value>4,8</value> </ph_test>

2.2.4.7.1. ELEMENT METADATA/IE/REPRESENTATION/REEL/PH_TEST/DATE_MEASURED

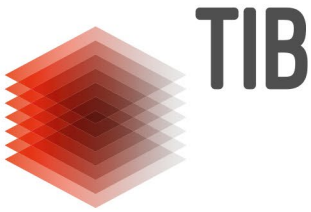
definition	describes the date the Ph-value was measured.
rationale	Contextualizes the value, and allows comparison of Ph-values over time.
type	xs:date
properties	content / simple / mandatory
annotation	documentation Tag der Messung
source	<xs:element name="date_measured" type="xs:date"> <xs:annotation> <xs:documentation xml:lang="de">Tag der Messung</xs:documentation> <xs:documentation xml:lang="en">Day of measurement</xs:documentation> </xs:annotation> </xs:element>
example in XML	<date_measured>02.03.2018</date_measured>

2.2.4.7.2. ELEMENT METADATA/IE/REPRESENTATION/REEL/PH_TEST/VALUE

definition	describes the Ph-Value of the material.
rationale	Measuring the Ph-value leads to information on vinegar syndrome.
type	xs:decimal
properties	content / simple / mandatory
annotation	documentation PH-Wert
source	<xs:element name="value" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="de">PH-Wert</xs:documentation> <xs:documentation xml:lang="en">PH-value</xs:documentation> </xs:annotation> </xs:element>
example in XML	<value>4,8</value>

2.2.4.8. ELEMENT METADATA/IE/REPRESENTATION/REEL/ PERFORATION_DAMAGE

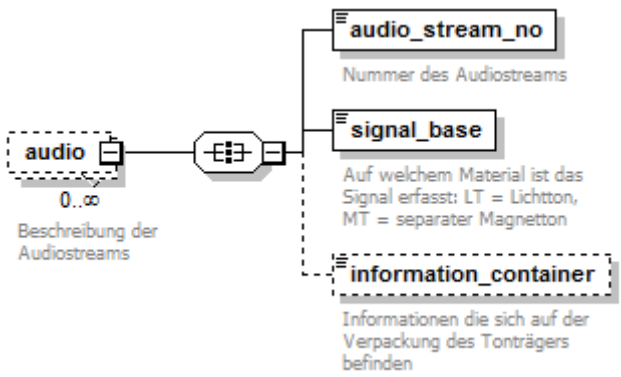
definition	describes if the perforation is damaged. 1 for true (the perforation is damaged), 0 for false (the perforation is not damaged)
rationale	A filmreel with damaged perforation leads to a more difficult process of digitization and may lead to blurriness or unsteadyness in the resulting digital file.
type	xs:boolean
properties	content / simple / mandatory
annotation	documentation Perforationsschäden: ja(1), nein (0)
source	<xs:element name="perforation_damage" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="de">Perforationsschäden: ja(1), nein (0)</xs:documentation> <xs:documentation xml:lang="en">Performation damage: yes(1), no (0)</xs:documentation> </xs:annotation> </xs:element>
example in XML	<perforation_damage>0</perforation_damage>



2.2.4.9. ELEMENT METADATA/IE/REPRESENTATION/REEL /SPLICE_COUNT

definition	describes the number of splices in the filmreel
rationale	Splices may lead to difficulties during digitization and may result in unsteadiness of frames in the digital file.
type	xs:integer
properties	content / simple / mandatory
annotation	documentation Anzahl der Klebestellen
source	<xs:element name="splice_count" type="xs:integer"> <xs:annotation> <xs:documentation xml:lang="de">Anzahl der Klebestellen</xs:documentation> <xs:documentation xml:lang="en">Number of Splices</xs:documentation> </xs:annotation> </xs:element>
example in XML	<splice_count>0</splice_count>

2.2.5. ELEMENT METADATA/IE/REPRESENTATION/AUDIO

<table>
<tr><th>definition</th><th>describes the source material of the audio streams</th></tr>
<tr><td>rationale</td><td>The source material offers an inside on the quality of the audio streams.</td></tr>
<tr><td>diagram</td><td> 
</td></tr>
<tr><td>properties</td><td>content / comlex / optional
<table>
<tr><td>minOcc</td><td>0</td></tr>
<tr><td>maxOcc</td><td>unbounded</td></tr>
<tr><td>repeatable</td><td></td></tr>
</table></td></tr>
<tr><td>children</td><td>audio_stream_no, signal_base, information_container</td></tr>
<tr><td>annotation</td><td>documentation
Beschreibung der Audiostreams</td></tr>
<tr><td>source</td><td><xs:element name="audio" minOccurs="0" maxOccurs="unbounded">
<xs:annotation>
<xs:documentation xml:lang="de">Beschreibung der Audiostreams</xs:documentation>
<xs:documentation xml:lang="en">Description of the audio streams</xs:documentation>
</xs:annotation>
<xs:complexType>
[…]
</xs:complexType>
</xs:element></td></tr>
<tr><td>example in XML</td><td><audio>
<audio_stream_no>1</ audio_stream _no>
<signal_base >LT</ signal_base>
</audio>
<audio>
<audio_stream_no>2</ audio_stream _no>
<signal_base>MT</signal_base>
</audio></td></tr>
</table>

2.2.5.1. ELEMENT METADATA/IE/REPRESENTATION/AUDIO/AUDIO_STREAM_NO

definition	describes the number of the audio stream
rationale	The number refers to the audio stream number in the preservation master.
type	xs:string
properties	content / simple / mandatory
annotation	documentation Nummer des Audiostreams
source	<xs:element name="audio_stream_no" type="xs:integer"> <xs:annotation> <xs:documentation xml:lang="de">Nummer des Audiostreams</xs:documentation> <xs:documentation xml:lang="en">Number of audio stream</xs:documentation> </xs:annotation> </xs:element>
example in XML	<audio_stream_no>1</ audio_stream _no>

2.2.5.2. ELEMENT METADATA/IE/REPRESENTATION/AUDIO/SIGNAL_BASE

definition	describes the signal base or carrier material.
rationale	The carrier material is an important information for the conservation of the material.
type	xs:string
properties	content / simple / mandatory
annotation	documentation Um welchen Ton handelt es sich: LT = Lichtton, MT = separater Magnetton
source	<xs:element name="signal_base" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="de">Auf welchem Material ist das Signal erfasst: LT = Lichtton, MT = separater Magnetton</xs:documentation> <xs:documentation xml:lang="en">An which material is the signal saved: LT = optical sound, MT = separate magnetic sound</xs:documentation> </xs:annotation> </xs:element> </xs:element>
example in XML	<signal_base>MT</signal_base>

2.2.5.3. ELEMENT METADATA/IE/REPRESENTATION/AUDIO/INFORMATION_AUDIO_CONTAINER

definition	contains the text from audio container
rationale	The text contains important information e.g. language, and serves as identification method for the analogue original.
type	xs:string
properties	content / simple / optional
annotation	documentation Informationen die sich auf der Verpackung des Tonträgers befinden
source	<xs:element name="information_audio_container" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="de">Informationen die sich auf der Verpackung des Tonträgers befinden</xs:documentation> <xs:documentation xml:lang="en">Information on the audio container</xs:documentation></xs:annotation> </xs:element>
example in XML	< information_audio_container > Hauptmix deutsch Kopie</ information_audio_container >

3. CHANGELOG

CHANGES FROM VERSION 2 TO VERSION 3

- Added element metadata/ie/representation/audio/information_audio_container

CHANGES FROM VERSION 1 TO VERSION 2

- Schema name changed from DelftConservationMetadata.xsd to TIBFilmConservationMetadata.xsd
- added namespace: xmlns:xs="http://www.w3.org/2001/XMLSchema"
- shrinkage: was mandatory, is now optional, changed spelling error in description
- perforation_damage: was monitored during first digitization project, but holdings are homogenously not damaged, therefore not monitored in following projects.
- splice_count: was monitored during first digitization project, but holdings are homogenously not damaged, therefore not monitored in following projects.
- added optional information on audio streams: number of streams and source material

PUBLICATION BIBLIOGRAPHY

PREMIS Editorial Committee: PREMIS Data Dictionary for Preservation Metadata, Version 3.0, checked on 11/5/2020.