

Schema documentation for PBCoreXSD_Ver_2.0.draft5_101130.xsd

30 november 2010

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Namespace: "<http://www.pbcore.org/PBCore/PBCoreNamespace.html>"

Schemas

Main schema **PBCoreXSD_Ver_2.0.draft5_101130.xsd**

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"This is the PBCore version 2.0 draft3 XML schema. All element descriptions can be found at http://www.pbcore.org "
Properties	attribute form default: unqualified element form default: qualified

Elements

Element **pbcoreDocumentDescription**

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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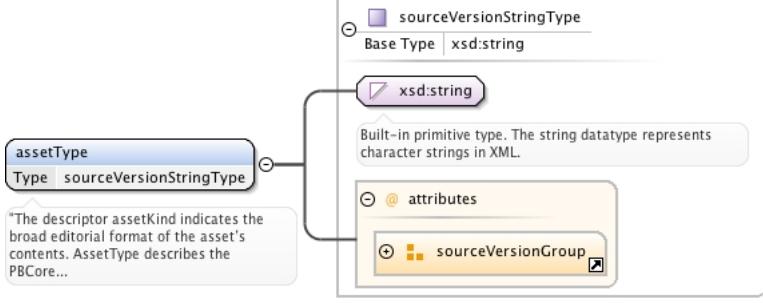
Diagram	<pre> classDiagram pbcoreDocumentDescriptionType < -- pbcoreDocumentDescription pbcoreDocumentDescriptionType { pbcoreAssetType* pbcoreIdentifier+ pbcoreTitle* pbcoreSubject* pbcoreDescription+ pbcoreGenre* pbcoreRelation* pbcoreCoverage* pbcoreAudienceLevel* pbcoreAudienceRating* pbcoreCreator* pbcoreContributor* pbcorePublisher* pbcoreRightsSummary* pbcoreInstantiation* pbcoreAnnotation* pbcorePart* pbcoreExtension* } pbcoreDocumentDescription { <> } </pre>
Type	pbcoreDocumentDescriptionType
Properties	content: complex
Model	pbcoreAssetType*, pbcoreIdentifier+, pbcoreTitle*, pbcoreSubject*, pbcoreDescription+, pbcoreGenre*, pbcoreRelation*, pbcoreCoverage*, pbcoreAudienceLevel*, pbcoreAudienceRating*, pbcoreCreator*, pbcoreContributor*, pbcorePublisher*, pbcoreRightsSummary*, pbcoreInstantiation*, pbcoreAnnotation*, pbcorePart*, pbcoreExtension*
Children	pbcoreAnnotation, pbcoreAssetType, pbcoreAudienceLevel, pbcoreAudienceRating, pbcoreContributor, pbcoreCoverage, pbcoreCreator, pbcoreDescription, pbcoreExtension, pbcoreGenre, pbcoreIdentifier, pbcoreInstantiation, pbcorePart, pbcorePublisher, pbcoreRelation, pbcoreRightsSummary, pbcoreSubject, pbcoreTitle
Instance	<pre> <pbcoreDocumentDescription> <pbcoreAssetType>{0,unbounded}</pbcoreAssetType> <pbcoreIdentifier>{1,unbounded}</pbcoreIdentifier> <pbcoreTitle>{1,unbounded}</pbcoreTitle> <pbcoreSubject>{0,unbounded}</pbcoreSubject> <pbcoreDescription>{1,unbounded}</pbcoreDescription> <pbcoreGenre>{0,unbounded}</pbcoreGenre> <pbcoreRelation>{0,unbounded}</pbcoreRelation> <pbcoreCoverage>{0,unbounded}</pbcoreCoverage> <pbcoreAudienceLevel>{0,unbounded}</pbcoreAudienceLevel> <pbcoreAudienceRating>{0,unbounded}</pbcoreAudienceRating> <pbcoreCreator>{0,unbounded}</pbcoreCreator> <pbcoreContributor>{0,unbounded}</pbcoreContributor> <pbcorePublisher>{0,unbounded}</pbcorePublisher> <pbcoreRightsSummary>{0,unbounded}</pbcoreRightsSummary> <pbcoreInstantiation>{0,unbounded}</pbcoreInstantiation> <pbcoreAnnotation annotationType="">{0,unbounded}</pbcoreAnnotation> <pbcorePart annotation="" relationID="" relationType="">{0,unbounded}</pbcorePart> <pbcoreExtension>{0,unbounded}</pbcoreExtension> </pbcoreDocumentDescription> </pre>
Source	<xsd:element name="pbcoreDocumentDescription" type="pbcoreDocumentDescriptionType"/>

Element pbcoreDocumentDescriptionType / pbcoreAssetType

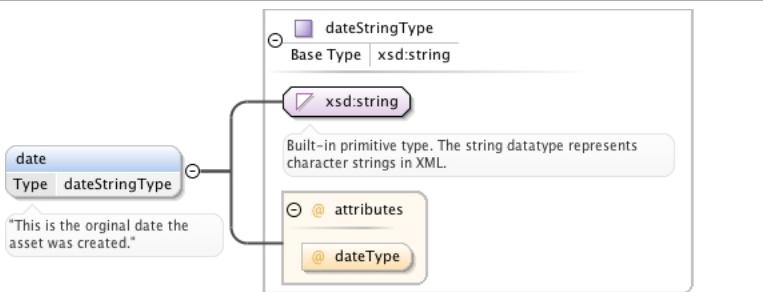
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	<pre> classDiagram class pbcoreAssetType class assetType { <<The descriptor assetKind indicates the broad editorial format of the asset's contents. AssetType describes the PBCore...>> } class date { <<This is the orginal date the asset was created.>> } pbcoreAssetType "0..>" assetType pbcoreAssetType "0..>" date </pre>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	assetType , date*
Children	assetType, date
Instance	<pre> <pbcoreAssetType> <assetType annotation="" source="" version="">{1,1}</assetType> <date dateType="">{0,unbounded}</date> </pbcoreAssetType> </pre>
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAssetType"> <xsd:complexType> <xsd:sequence> <!-- the pbcore asset type - this element may occur only once --> <xsd:element maxOccurs="1" minOccurs="1" name="assetType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor assetKind indicates the broad editorial format of the asset's contents. AssetType describes the PBCore record as a whole and at its highest level. Though a record may contain many instantiations of different formats and generations, for example, assetType may be used to indicate that they all represent a "program" or a "clip." In FRBR language, assetType would be describe an asset at the "work" level. (Whereas "formatMediaType" would describe the "item" level.) This element is largely based on the EBUCore element ObjectType: http://www.ebu.ch/metadata/cs/ebu_ObjectTypeCodeCS.xml"</ <xsd:annotation> </xsd:element> <xsd:element maxOccurs="unbounded" minOccurs="0" name="date" type="dateStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"This is the orginal date the asset was created."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

Element pbcoreDocumentDescriptionType / pbcoreAssetType / assetType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	<p>"The descriptor assetKind indicates the broad editorial format of the asset's contents. AssetType describes the PBCore record as a whole and at its highest level. Though a record may contain many instantiations of different formats and generations, for example, assetType may be used to indicate that they all represent a "program" or a "clip." In FRBR language, assetType would be used to describe an asset at the "work" level. (Whereas "formatMediaType" would describe the "item" level.) This element is largely based on the EBUCore element ObjectType: http://www.ebu.ch/metadata/cs/ebu_ObjectTypeCodeCS.xml"</p>

Diagram																					
Type	sourceVersionStringType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Fixed</th><th style="padding: 2px;">Default</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">source</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">version</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="assetType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor assetKind indicates the broad editorial format of the asset's contents. AssetType describes the record may contain many instantiations of different formats and generations, for example, assetType may be used to indicate that they all represent a "program" or a "clip." In FRBR language, assetType would be used to describe an asset at the "work" level. (Whereas "formatMediaType" would describe the "item" level.) This element is largely based on the EBUCore element ObjectType: http://www.ebu.ch/metadata/cs/ebu_ObjectTypeCodeCS.xml"</ <xsd:documentation> </xsd:annotation> </xsd:element></pre>																				

Element pbcoreDocumentDescriptionType / pbcoreAssetType / date

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"This is the orginal date the asset was created."						
Diagram							
Type	dateStringType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Attributes	QName	Type	Fixed	Default	Use
	dateTime				optional
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="date" type="dateStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"This is the orginal date the asset was created."</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreIdentifier

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html	
Diagram	<pre> classDiagram class pbcoreIdentifier class identifier { <<identifier Type xsd:string>> } class identifierSource { <<identifierSource Type sourceVersionStringType>> } pbcoreIdentifier "1" -- "1" identifier pbcoreIdentifier "1" -- "1" identifierSource </pre> <p>The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item...</p> <p>The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item...</p>	
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>	
Model	identifier , identifierSource	
Children	identifier, identifierSource	
Instance	<pre> <pbcoreIdentifier> <identifier>{1,1}</identifier> <identifierSource annotation="" source="" version="">{1,1}</identifierSource> </pbcoreIdentifier> </pre>	
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreIdentifier"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="identifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item and exists at the top level for a PBCore description and its associated description document (XML). Best practice is to media item (whether analog or digital) by means of an or number corresponding to an established or formal if one exists. Otherwise, use an identification method that is within your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="1" name="identifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item found in the descriptor identifier. Thus PBCore provides not locator number, but also an agency or institution who assigned exist at the top level for a PBCore description and its description document (XML). "</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>	

Element pbcoreDocumentDescriptionType / pbcoreIdentifier / identifier

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item and exists at the top level for a PBCore description and its associated description document (XML). Best practice is to identify the media item (whether analog or digital) by means of an unambiguous string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</p>						
Diagram	<pre> classDiagram class identifier { <<The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item...>> <<Built-in primitive type. The string datatype represents character strings in XML.>> } class xsdString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } identifier "1" -- "0..1" xsdString </pre>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="identifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item and exists at the top level for a PBCore description and its associated description document (XML). Best practice is to identify the media item (whether analog or digital) by means of an unambiguous string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element pbcoreDocumentDescriptionType / pbcoreIdentifier / identifierSource

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item found in the descriptor identifier. Thus PBCore provides not only a locator number, but also an agency or institution who assigned it. Both exist at the top level for a PBCore description and its associated description document (XML)."</p>						
Diagram	<pre> classDiagram class identifierSource { <<The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item...>> } class sourceVersionStringType { <<sourceVersionStringType</>> <<Base Type xsd:string</>> class xsdString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class attributes { <<@ attributes</>> class sourceVersionGroup { <<sourceVersionGroup</>> } } } identifierSource "1" -- "0..1" sourceVersionStringType </pre>						
Type	sourceVersionStringType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="identifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item found in the descriptor identifier. Thus PBCore provides not only a locator number, but also an agency or institution who assigned it. Both associated </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreTitle

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram	<pre> classDiagram class pbcoreTitle class title { <<The descriptor title is a name given to the media item you are cataloging. It is the unique name everyone should use...>> } class titleType { <<The descriptor titleType is a companion metadata field associated with the descriptor title. For a title you give to a...>> } pbcoreTitle "1" -- "1" title pbcoreTitle "1" -- "1" titleType </pre>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	title , titleType{0,1}						
Children	title, titleType						
Instance	<pre><pbcoreTitle> <title>{1,1}</title> <titleType annotation="" source="" version="">{0,1}</titleType> </pbcoreTitle></pre>						
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreTitle"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="title" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor title is a name given to the media item you are cataloging. It is the unique name everyone should use to refer to or search for a particular media item. There are obviously many types of titles a media item may have, such as a series title, episode title, segment title, or project title. Use the descriptor titleType to indicate the type of title you are assigning to the media item."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="titleType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor titleType is a companion metadata field associated with the descriptor title. For a title you give to a media item, you may wish to inform end users what type of title it is (see the picklist of recommended vocabulary terms)."</xsd:documentation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>						

```

<xsd:documentation xml:lang="en">"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_titleType.html"</xsd:documentation>
</xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreTitle / title

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor title is a name given to the media item you are cataloging. It is the unique name everyone should use to refer to or search for a particular media item. There are obviously many types of titles a media item may have, such as a series title, episode title, segment title, or project title. Use the descriptor titleType to indicate the type of title you are assigning to the media item."						
Diagram							
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="title" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor title is a name given to the media item you are cataloging. It is the unique name everyone should use to refer to or search for a particular media item. There are obviously many types of titles a media item may have, such as a series descriptor the media title, episode title, segment title, or project title. Use the titleType to indicate the type of title you are assigning to item."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element pbcoreDocumentDescriptionType / pbcoreTitle / titleType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor titleType is a companion metadata field associated with the descriptor title. For a title you give to a media item, you may wish to inform end users what type of title it is (see the picklist of recommended vocabulary terms)." "Picklist at http://www.pbcore.org/PBCore/picklists/picklist_titleType.html"
Diagram	
Type	sourceVersionStringType

Properties	content:	complex			
	minOccurs:	0			
	maxOccurs:	1			
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="titleType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor titleType is a companion metadata field associated with the descriptor title. For a title you give title it is (see the picklist of recommended vocabulary terms). "</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_titleType.html"</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreSubject

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	<p>The diagram illustrates the relationship between the pbcoreSubject element and its children, subject and subjectAuthorityUsed. The pbcoreSubject element is shown with a yellow circle icon, indicating it is a complex type. It has two child elements: subject and subjectAuthorityUsed, each represented by a blue rounded rectangle. A callout box provides a detailed description of the subject element.</p> <p>subject Type subjectStringType </p> <p>"The descriptor subject is used to assign topical headings or keywords that portray the intellectual content of the..."</p> <p>subjectAuthorityUsed Type sourceVersionStringType </p> <p>"If subjects are assigned to a media item using the descriptor subject and the terms used are derived from a specific..."</p>
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	subject{0,1} , subjectAuthorityUsed{0,1}
Children	subject, subjectAuthorityUsed
Instance	<pre><pbcoreSubject> <subject annotation="" source="" subjectType="" version="">{0,1}</subject> <subjectAuthorityUsed annotation="" source="" version="">{0,1}</subjectAuthorityUsed> </pbcoreSubject></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreSubject"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="subject" type="subjectStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor subject is used to assign topical headings or keywords that portray the intellectual content of the media item you are cataloging. Typically, a subject is limited number of keywords, key phrases, or even specific codes. Controlled vocabularies, authorities, or formal schemes may be employed when assigning descriptive subject terms (rather than using random or ad hoc terminology)."</xsd:documentation> <xsd:documentation xml:lang="en">"Use reference at http://www.pbcore.org/PBCore/subject.html"</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="subjectAuthorityUsed" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"If subjects are assigned to a media item</pre>

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from a using the descriptor subject and the terms used are derived
subjectAuthorityUsed to specific authority or classification scheme, use
identify whose vocabularies and terms were used."</
xsd:documentation>
    </xsd:annotation>
    </xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

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Element pbcoreDocumentDescriptionType / pbcoreSubject / subject

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																									
Annotations	<p>"The descriptor subject is used to assign topical headings or keywords that portray the intellectual content of the media item you are cataloging. Typically, a subject is expressed by a limited number of keywords, key phrases, or even specific classification codes. Controlled vocabularies, authorities, or formal classification schemes may be employed when assigning descriptive subject terms (rather than using random or ad hoc terminology)."</p> <p>"Use reference at http://www.pbcore.org/PBCore/subject.html"</p>																									
Diagram	<pre> classDiagram class subjectStringType { subject Type subjectStringType } subjectStringType "The descriptor subject is used to assign topical headings or keywords that portray the intellectual content of the..." subjectStringType --> xsdString : xsd:string xsdString "Built-in primitive type. The string datatype represents character strings in XML." xsdString --> attributes : @ attributes attributes --> subjectType : @ subjectType attributes --> source : @ source attributes --> version : @ version attributes --> annotation : @ annotation </pre>																									
Type	subjectStringType																									
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																			
content:	complex																									
minOccurs:	0																									
maxOccurs:	1																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>subjectType</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	subjectType	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																						
annotation	xsd:string			optional																						
source	xsd:string			optional																						
subjectType	xsd:string			optional																						
version	xsd:string			optional																						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="subject" type="subjectStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor subject is used to assign topical headings or keywords that portray the intellectual content of the expressed by a classification classification terms (rather than using random or ad hoc terminology)."</xsd:documentation> <xsd:documentation xml:lang="en">"Use reference at http://www.pbcore.org/PBCore/subject.html"</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																									

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</xsd:annotation>
</xsd:element>
```

Element pbcoreDocumentDescriptionType / pbcoreSubject / subjectAuthorityUsed

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	"If subjects are assigned to a media item using the descriptor subject and the terms used are derived from a specific authority or classification scheme, use subjectAuthorityUsed to identify whose vocabularies and terms were used."																				
Diagram																					
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>source</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>version</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="subjectAuthorityUsed" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"If subjects are assigned to a media item using the descriptor subject and the terms used are derived from a specific authority or classification scheme, use subjectAuthorityUsed to identify whose vocabularies and terms were used."</ <xsd:documentation> </xsd:annotation> </xsd:element></pre>																				

Element pbcoreDocumentDescriptionType / pbcoreDescription

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram							
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	description , descriptionType{0,1}						
Children	description, descriptionType						
Instance	<pre><pbcoreDescription> <description annotation="" endTime="" segmentType="" startTime="">{1,1}</description> <descriptionType annotation="" source="" version="">{0,1}</descriptionType></pre>						

	</pbcoreDescription>
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreDescription"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="description" type="descriptionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The metadata element description uses free-form text or a narrative to report general notes, abstracts, or summaries about the intellectual content of a media item you are giving an brief lists, tables of content."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="descriptionType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor descriptionType is a companion metadata field to the element description. The purpose of description and flag the form of presentation for the information."</ <xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_descriptionType.html"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

Element pbcoreDocumentDescriptionType / pbcoreDescription / description

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The metadata element description uses free-form text or a narrative to report general notes, abstracts, or summaries about the intellectual content of a media item you are cataloguing. The information may be in the form of a paragraph giving an individual program description, anecdotal interpretations, or brief content reviews. The description may also consist of outlines, lists, bullet points, rundowns, edit decision lists, indexes, or tables of content."
Diagram	<pre> classDiagram class descriptionStringType { @ startTime @ endTime @ segmentType @ annotation } xsd:string < -- descriptionStringType xsd:string "Built-in primitive type. The string datatype represents character strings in XML." </pre>
Type	descriptionStringType
Properties	content: complex

	minOccurs:	1			
	maxOccurs:	1			
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	endTime	xsd:string			optional
	segmentType	xsd:string			optional
	startTime	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="description" type="descriptionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The metadata element description uses free-form text or a narrative to report general notes, abstracts, or summaries about the intellectual content of a media item you are giving an individual program description, anecdotal interpretations, or lists, content reviews. The description may also consist of outlines, bullet points, rundowns, edit decision lists, indexes, or tables of content."</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreDescription / descriptionType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"The descriptor descriptionType is a companion metadata field to the element description. The purpose of descriptionType is to identify the nature of the actual description and flag the form of presentation for the information."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_descriptionType.html"</p>																				
Diagram	<pre> classDiagram class descriptionType { <<The descriptor descriptionType is a companion metadata field to the element description. The purpose of...>> } class sourceVersionStringType { <<sourceVersionStringType</>> <<Base Type xsd:string</>> } class xsdstring { <<xsd:string</>> <<Built-in primitive type. The string datatype represents character strings in XML.>> <<@ attributes</>> <<sourceVersionGroup</>> } descriptionType "1" -- "0..1" sourceVersionStringType sourceVersionStringType "1" -- "1..1" xsdstring xsdstring "*" -- "1..1" sourceVersionGroup </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Fixed</td> <td>Default</td> <td>Use</td> </tr> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="descriptionType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor descriptionType is a companion metadata field to the element description. The purpose of description and flag the form of presentation for the information."</ <xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at</pre>																				

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http://www.pbcore.org/PBCore/picklists/
picklist_descriptionType.html"</xsd:documentation>
</xsd:annotation>
</xsd:element>

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Element pbcoreDocumentDescriptionType / pbcoreGenre

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram	<p>The descriptor genre describes the manner in which the intellectual content of a media item is presented, viewed or... If genre keywords are assigned to a media item using the descriptor genre and the terms used are derived from a...</p>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	genre{0,1} , genreAuthorityUsed{0,1}						
Children	genre, genreAuthorityUsed						
Instance	<pre><pbcoreGenre> <genre annotation="" source="" version="">{0,1}</genre> <genreAuthorityUsed annotation="" source="" version="">{0,1}</genreAuthorityUsed> </pbcoreGenre></pre>						
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreGenre"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="genre" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor genre describes the manner in which the intellectual content of a media item is presented, viewed or heard by a user. It indicates the structure of the presentation, as well as the topical nature of the content in a generalized form."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_genre.html"</ xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="genreAuthorityUsed" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"If genre keywords are assigned to a media item using the descriptor genre and the terms used are derived from a specific authority or classification scheme, use identify whose vocabularies and terms were used. PBcore supplies its own picklist of terms, but others may be employed as long as the authority for a picklist is identified."</xsd:documentation> <xsd:documentation xml:lang="en">"When genreAuthorityUsed is not used, the default is understood to be PBCore Genre List.</ xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>						

Element pbcoreDocumentDescriptionType / pbcoreGenre / genre

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor genre describes the manner in which the intellectual content of a media item is presented, viewed or heard by a user. It indicates the structure of the presentation, as well as the topical nature of the content in a generalized

	<p>form."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_genre.html"</p>																				
Diagram	<pre> classDiagram class genreAuthorityUsed { <<sourceVersionStringType>> <<xsd:string>> <<sourceVersionGroup>> } </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="genre" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor genre describes the manner in which the intellectual content of a media item is presented, viewed or heard by a user. It indicates the structure of the presentation, as well as the topical nature of the content in a generalized form."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_genre.html"</ xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element pbcoreDocumentDescriptionType / pbcoreGenre / genreAuthorityUsed

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"If genre keywords are assigned to a media item using the descriptor genre and the terms used are derived from a specific authority or classification scheme, use genreAuthorityUsed to identify whose vocabularies and terms were used. PBcore supplies its own picklist of terms, but others may be employed as long as the authority for a picklist is identified."</p> <p>When genreAuthorityUsed is not used, the default is understood to be PBCore Genre List.</p>						
Diagram	<pre> classDiagram class genreAuthorityUsed { <<sourceVersionStringType>> <<xsd:string>> <<sourceVersionGroup>> } </pre>						
Type	sourceVersionStringType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="genreAuthorityUsed" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"If genre keywords are assigned to a media item using the descriptor genre and the terms used are derived from a genreAuthorityUsed to supplies its own authority for a picklist is identified."</xsd:documentation> <xsd:documentation xml:lang="en">When genreAuthorityUsed is not used, the default is understood to be PBcore Genre List.</ <xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreRelation

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	relationType{0,1} , relationIdentifier{0,1}
Children	relationIdentifier, relationType
Instance	<pre><pbcoreRelation> <relationType annotation="" source="" version="">{0,1}</relationType> <relationIdentifier annotation="" source="" version="">{0,1}</relationIdentifier> </pbcoreRelation></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreRelation"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="relationType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor relationType identifies the type of intellectual content bond between a media item you are cataloging and some other related media item."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_relationType.html"</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="relationIdentifier" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Once the type of relationship between two media items is identified by using the descriptor relationType, then this companion descriptor relationIdentifier is used to provide a name, locator, accession, identification number or ID where the related item can be obtained or found. The cross reference uses a unique identifier."</xsd:documentation></pre>

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        </xsd:annotation>
    </xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreRelation / relationType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"The descriptor relationType identifies the type of intellectual content bond between a media item you are cataloging and some other related media item."</p> <p>"picklist at http://www.pbcore.org/PBCore/picklists/picklist_relationType.html"</p>																				
Diagram	<pre> classDiagram class relationType { annotation : xsd:string source : xsd:string version : xsd:string } relationType < -- sourceVersionStringType sourceVersionStringType { xsd:string @ attributes sourceVersionGroup } </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="relationType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor relationType identifies the type of intellectual content bond between a media item you are cataloging and some other related media item."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_relationType.html"</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element pbcoreDocumentDescriptionType / pbcoreRelation / relationIdentifier

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	<p>"Once the type of relationship between two media items is identified by using the descriptor relationType, then this companion descriptor relationIdentifier is used to provide a name, locator, accession, identification number or ID where the related item can be obtained or found. The cross reference uses a unique identifier."</p>
Diagram	<pre> classDiagram class relationIdentifier { annotation : xsd:string source : xsd:string version : xsd:string } relationIdentifier < -- sourceVersionStringType sourceVersionStringType { xsd:string @ attributes sourceVersionGroup } </pre>

Type	sourceVersionStringType																							
Properties	content: complex minOccurs: 0 maxOccurs: 1																							
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>				QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																				
annotation	xsd:string			optional																				
source	xsd:string			optional																				
version	xsd:string			optional																				
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="relationIdentifier" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Once the type of relationship between two media items is identified by using the descriptor relationType, then this companion descriptor relationIdentifier is used to provide a name, locator, accession, identification number or ID where the related item can be obtained or found. The cross reference uses a unique identifier."</xsd:documentation> </xsd:annotation> </xsd:element></pre>																							

Element pbcoreDocumentDescriptionType / pbcoreCoverage

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html	
Diagram	<pre> classDiagram class pbcoreCoverage { coverage coverageType } coverage "1..0" --> "1..1" pbcoreCoverage coverageType "0..1" --> "1..1" pbcoreCoverage coverage "1..0" --> "1..1" coverageType coverageType "0..1" --> "1..1" coverage </pre> <p>The diagram illustrates the relationship between the pbcoreCoverage element and its components. It shows three classes: pbcoreCoverage, coverage, and coverageType. The pbcoreCoverage class has two associations: one to coverage (multiplicity 1..0 to 1..1) and one to coverageType (multiplicity 0..1 to 1..1). The coverage class also has an association to coverageType (multiplicity 1..0 to 1..1). A callout box provides a detailed description of the coverage association.</p>	
Properties	content: complex minOccurs: 0 maxOccurs: unbounded	
Model	coverage , coverageType	
Children	coverage, coverageType	
Instance	<pre><pbcoreCoverage> <coverage>{1,1}</coverage> <coverageType annotation="" source="" version="">{1,1}</coverageType> </pbcoreCoverage></pre>	
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreCoverage"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="coverage" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor coverage uses keywords to identify a span of space or time that is expressed by the intellectual be may be allowable, if be event. The temporal identify the type of keywords that are being used."</xsd:documentation> <xsd:documentation xml:lang="en">"Use reference at http://www.pbcore.org/PBCore/coverage.html"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>	

```

        </xsd:element>
        <xsd:element maxOccurs="1" minOccurs="1" name="coverageType">
            <xsd:complexType>
                <xsd:annotation>
                    <xsd:documentation xml:lang="en">"Whereas the PBCore metadata element coverage uses keywords and descriptors to identify a span of space or time that is expressed by the intellectual content of a media item, that are expressed content may be expressed temporally by a date, period, era, or time-based event. coverageType provides a picklist of coverage types, namely *spatial* or *temporal*."</xsd:documentation>
                </xsd:annotation>
                <xsd:simpleContent>
                    <!-- COME BACK TO THIS -->
                    <xsd:restriction base="sourceVersionStringType">
                        <xsd:enumeration value="Spatial"/>
                        <xsd:enumeration value="Temporal"/>
                    </xsd:restriction>
                </xsd:simpleContent>
            </xsd:complexType>
        </xsd:element>
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreCoverage / coverage

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"The descriptor coverage uses keywords to identify a span of space or time that is expressed by the intellectual content of a media item. Coverage in intellectual content may be expressed spatially by geographic location. Actual place names may be used. Numeric coordinates and geo-spatial data are also allowable, if useful or supplied. Coverage in intellectual content may also be expressed temporally by a date, period, era, or time-based event. The PBCore metadata element coverage houses the actual spatial or temporal keywords. The companion descriptor coverageType is used to identify the type of keywords that are being used."</p> <p>"Use reference at http://www.pbcore.org/PBCore/coverage.html"</p>						
Diagram	<p>The descriptor coverage uses keywords to identify a span of space or time that is expressed by the intellectual...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="coverage" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor coverage uses keywords to identify a span of space or time that is expressed by the intellectual content of a media item. Coverage in intellectual content may be expressed spatially by geographic location. Actual place names used. Numeric coordinates and geo-spatial data are also useful or supplied. Coverage in intellectual content may also be expressed temporally by a date, period, era, or time-based event. The </pre>						

	<p>temporal</p> <p>identify the</p> <pre style="font-family: monospace; margin: 0;"> type of keywords that are being used."</xsd:documentation> http://www.pbcore.org/PBCore/coverage.html"</xsd:documentation></pre> <p></xsd:annotation></p> <p></xsd:element></p>	
--	---	--

Element pbcoreDocumentDescriptionType / pbcoreCoverage / coverageType

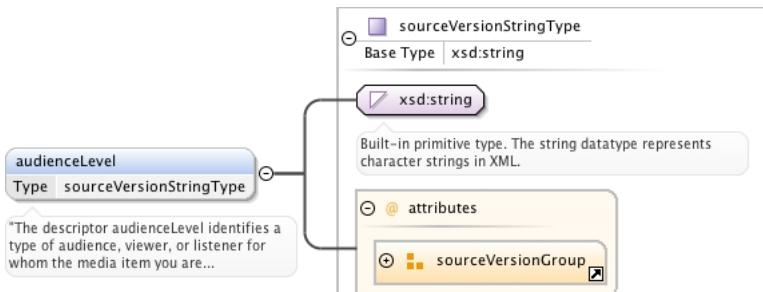
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																			
Diagram	<pre> classDiagram sourceVersionStringType < -- coverageType sourceVersionStringType < -- xsd:string xsd:string "Built-in primitive type. The string datatype represents character strings in XML." xsd:string @attributes sourceVersionGroup </pre>																			
Type	restriction of sourceVersionStringType																			
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • sourceVersionStringType 																			
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">content:</td> <td colspan="4" style="width: 80%;">complex</td> </tr> <tr> <td>minOccurs:</td> <td colspan="4">1</td> </tr> <tr> <td>maxOccurs:</td> <td colspan="4">1</td> </tr> </table>					content:	complex				minOccurs:	1				maxOccurs:	1			
content:	complex																			
minOccurs:	1																			
maxOccurs:	1																			
Attributes	QName	Type	Fixed	Default	Use															
	annotation	xsd:string			optional															
	source	xsd:string			optional															
	version	xsd:string			optional															
Source	<pre style="font-family: monospace; margin: 0;"> <xsd:element maxOccurs="1" minOccurs="1" name="coverageType"> <xsd:complexType> <xsd:annotation> <xsd:documentation xml:lang="en">"Whereas the PBCore metadata element coverage uses keywords and descriptors to identify a span of space or time that is expressed by the intellectual content of a media item, coverageType is used to identify the actual type of keywords being used. Coverage in intellectual content may be spatially by geographic location. Coverage in intellectual also be expressed temporally by a date, period, era, or event. coverageType provides a picklist of coverage types, namely *spatial* or *temporal*. "</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <!-- COME BACK TO THIS --> <xsd:restriction base="sourceVersionStringType"> <xsd:enumeration value="Spatial"/> <xsd:enumeration value="Temporal"/> </xsd:restriction> </xsd:simpleContent> </xsd:complexType> </xsd:element> </pre>																			

Element pbcoreDocumentDescriptionType / pbcoreAudienceLevel

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	audienceLevel{0,1}
Children	audienceLevel
Instance	<pre><pbcoreAudienceLevel> <audienceLevel annotation="" source="" version="">{0,1}</audienceLevel> </pbcoreAudienceLevel></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAudienceLevel"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="audienceLevel" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor audienceLevel identifies a type of audience, viewer, or listener for whom the media item you are cataloging is primarily designed or educationally useful."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_audienceLevel.html"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>

Element pbcoreDocumentDescriptionType / pbcoreAudienceLevel / audienceLevel

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"The descriptor audienceLevel identifies a type of audience, viewer, or listener for whom the media item you are cataloging is primarily designed or educationally useful."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_audienceLevel.html"</p>																				
Diagram																					
Type	sourceVersionStringType																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="audienceLevel" type="sourceVersionStringType"> <xsd:annotation></pre>																				

```

<xsd:documentation xml:lang="en">"The descriptor audienceLevel identifies a
type of audience, viewer, or listener for whom the media item
you are
cataloging is primarily designed or educationally
useful."</xsd:documentation>
<xsd:documentation xml:lang="en">"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_audienceLevel.html"</xsd:documentation>
</xsd:annotation>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreAudienceRating

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram							
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	audienceRating{0,1}						
Children	audienceRating						
Instance	<pbcoreAudienceRating> <audienceRating annotation="" source="" version="">{0,1}</audienceRating> </pbcoreAudienceRating>						
Source	<xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAudienceRating"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="audienceRating" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor audienceRating designates the type of users for whom a media item is intended or judged appropriate in terms of its intellectual content. Standard ratings have been crafted by the broadcast television and film industries and are used as flags for audience or age-appropriate materials."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_audienceRating.html"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element>						

Element pbcoreDocumentDescriptionType / pbcoreAudienceRating / audienceRating

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	<p>"The descriptor audienceRating designates the type of users for whom a media item is intended or judged appropriate in terms of its intellectual content. Standard ratings have been crafted by the broadcast television and film industries and are used as flags for audience or age-appropriate materials."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_audienceRating.html"</p>

Diagram	<pre> classDiagram sourceVersionStringType { audienceRating : xsd:string @attributes sourceVersionGroup } audienceRating { xsd:string Built-in primitive type. The string datatype represents character strings in XML. } sourceVersionGroup </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Fixed</th><th style="padding: 2px;">Default</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">source</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">version</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="audienceRating" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor audienceRating designates the type of users for whom a media item is intended or judged appropriate in terms of its intellectual content. Standard ratings have been crafted by the broadcast television and film industries and are used as flags for audience or age-appropriate materials."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_audienceRating.html"</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element pbcoreDocumentDescriptionType / pbcoreCreator

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram	<pre> classDiagram pbcoreCreator { creator : affiliatedStringType 1...> creatorRole : sourceVersionStringType } creator { affiliatedStringType "The descriptor creator identifies a person or organization primarily responsible for creating a media item. The... } creatorRole { sourceVersionStringType "Use the descriptor creatorRole to identify the role played by the person or group identified in the companion... } </pre>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	creator , creatorRole+						
Children	creator, creatorRole						
Instance	<pre> <pbcoreCreator> <creator affiliation="" annotation="" linkedID="">{1,1}</creator> <creatorRole annotation="" source="" version="">{1,unbounded}</creatorRole> </pbcoreCreator> </pre>						
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreCreator"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="creator" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor creator identifies a person </pre>						

```

item. The or organization primarily responsible for creating a media
people, a creator may be considered an author and could be one or more
business, organization, group, project or service."</
xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element maxOccurs="unbounded" minOccurs="1" name="creatorRole"
type="sourceVersionStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"Use the descriptor creatorRole to identify
the role played by the person or group identified in the
companion
descriptor creator. Unlike print resources, there is usually no
single
role, like an author, who has primary responsibility for the
creation of
media items such as audio, video, film assets, and their
digital
renditions. For these media, creators can fill many different
roles, such
as the instructor for a video course, the interviewee from a
video
history program, or the director of a program or film (if they
are
identified as the primary creator for a media item)."</
xsd:documentation>
        <xsd:documentation xml:lang="en">"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_creatorRole.html"</xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

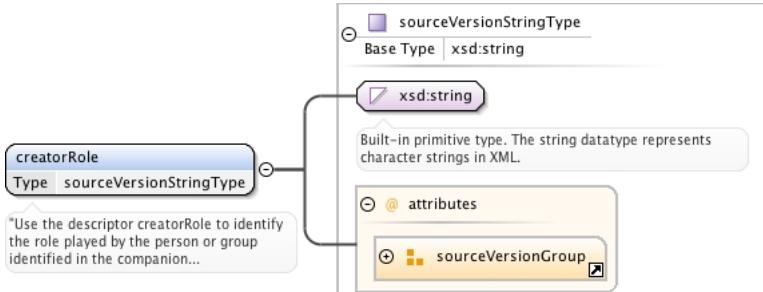
```

Element pbcoreDocumentDescriptionType / pbcoreCreator / creator

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	"The descriptor creator identifies a person or organization primarily responsible for creating a media item. The creator may be considered an author and could be one or more people, a business, organization, group, project or service."																				
Diagram																					
Type	affiliatedStringType																				
Properties	<table border="1"> <tbody> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </tbody> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>affiliation</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>annotation</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>linkedID</td><td></td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	affiliation				optional	annotation				optional	linkedID				optional
QName	Type	Fixed	Default	Use																	
affiliation				optional																	
annotation				optional																	
linkedID				optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="creator" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor creator identifies a person or organization primarily responsible for creating a media item. The </pre>																				

	<pre>people, a creator may be considered an author and could be one or more business, organization, group, project or service."</ xsd:documentation> </xsd:annotation> </xsd:element></pre>
--	---

Element pbcoreDocumentDescriptionType / pbcoreCreator / creatorRole

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"Use the descriptor creatorRole to identify the role played by the person or group identified in the companion descriptor creator. Unlike print resources, there is usually no single role, like an author, who has primary responsibility for the creation of media items such as audio, video, film assets, and their digital renditions. For these media, creators can fill many different roles, such as the instructor for a video course, the interviewee from a video history program, or the director of a program or film (if they are identified as the primary creator for a media item)."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_creatorRole.html"</p>																				
Diagram	 <pre> classDiagram class creatorRole { <<sourceVersionStringType>> <<Type sourceVersionStringType>> <<Use the descriptor creatorRole to identify the role played by the person or group identified in the companion...>> } creatorRole < -- sourceVersionStringType sourceVersionStringType { <<sourceVersionStringType>> <<Base Type xsd:string>> <<xsd:string>> <<Built-in primitive type. The string datatype represents character strings in XML.>> <<@ attributes>> sourceVersionGroup } sourceVersionStringType < -- sourceVersionGroup </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded														
content:	complex																				
minOccurs:	1																				
maxOccurs:	unbounded																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="1" name="creatorRole" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor creatorRole to identify the role played by the person or group identified in the companion descriptor creator. Unlike print resources, there is usually no single role, like an author, who has primary responsibility for the creation of media items such as audio, video, film assets, and their digital renditions. For these media, creators can fill many different roles, such as the instructor for a video course, the interviewee from a video history program, or the director of a program or film (if they are identified as the primary creator for a media item)."</ xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_creatorRole.html"</xsd:documentation> </xsd:annotation> </xsd:element></pre>																				

Element pbcoreDocumentDescriptionType / pbcoreContributor

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram	<pre> classDiagram pbcoreContributor --> contributor : contributor pbcoreContributor --> contributorRole : contributorRole contributor <--> contributorRole </pre> <p>The diagram shows the <code>pbcoreContributor</code> element with two associations. One association points to the <code>contributor</code> element, which is annotated with "The descriptor contributor identifies a person or organization that has made substantial creative contributions to the...". The other association points to the <code>contributorRole</code> element, which is annotated with "Use the descriptor contributorRole to identify the role played by the person or group identified in the companion...".</p>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	contributor , contributorRole+						
Children	contributor, contributorRole						
Instance	<pre> <pbcoreContributor> <contributor affiliation="" annotation="" linkedID="">{1,1}</contributor> <contributorRole annotation="" portrayal="" source="" version="">{1,unbounded}</ contributorRole> </pbcoreContributor> </pre>						
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreContributor"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="contributor" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor contributor identifies a person or organization that has made substantial creative contributions to the intellectual content within a media item. This contribution is considered to be secondary to the primary author(s) (person or organization) identified in the descriptor creator."</ xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="unbounded" minOccurs="1" name="contributorRole" type="contributorStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor contributorRole to identify the role played by the person or group identified in the companion descriptor contributor."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>						

Element `pbcoreDocumentDescriptionType` / `pbcoreContributor` / `contributor`

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor contributor identifies a person or organization that has made substantial creative contributions to the intellectual content within a media item. This contribution is considered to be secondary to the primary author(s) (person or organization) identified in the descriptor creator."

Diagram	<pre> classDiagram affiliatedStringType < -- contributor affiliatedStringType < -- xsd:string xsd:string < -- "Built-in primitive type. The string datatype represents character strings in XML." xsd:string @attribute affiliation xsd:string @attribute linkedID xsd:string @attribute annotation </pre>																				
Type	affiliatedStringType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Fixed</th><th style="padding: 2px;">Default</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">affiliation</td><td></td><td></td><td></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">annotation</td><td></td><td></td><td></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">linkedID</td><td></td><td></td><td></td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	affiliation				optional	annotation				optional	linkedID				optional
QName	Type	Fixed	Default	Use																	
affiliation				optional																	
annotation				optional																	
linkedID				optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="contributor" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor contributor identifies a person or organization that has made substantial creative contributions to the intellectual content within a media item. This contribution is considered to be secondary to the primary author(s) (person or organization) identified in the descriptor creator."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element pbcoreDocumentDescriptionType / pbcoreContributor / contributorRole

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"Use the descriptor contributorRole to identify the role played by the person or group identified in the companion descriptor contributor."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_contributorRole.html"</p>						
Diagram	<pre> classDiagram contributorStringType < -- contributorRole contributorStringType < -- xsd:string xsd:string < -- "Built-in primitive type. The string datatype represents character strings in XML." xsd:string @attribute portrayal xsd:string sourceVersionGroup </pre>						
Type	contributorStringType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	portrayal	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="1" name="contributorRole" type="contributorStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor contributorRole to identify the role played by the person or group identified in the companion descriptor contributor."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_contributorRole.html"</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcorePublisher

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram	<pre> classDiagram class pbcorePublisher class publisher { <<publisher
Type affiliatedStringType>> } class publisherRole { <<publisherRole
Type sourceVersionStringType>> } pbcorePublisher --> publisher : pbcorePublisher --> publisherRole : 1..∞ </pre> <p>The diagram illustrates the relationship between the pbcorePublisher element and its components. It shows a central pbcorePublisher node connected to two other nodes: publisher and publisherRole. The publisher node is associated with the pbcorePublisher node via a single solid line, indicating a one-to-one relationship. The publisherRole node is associated with the pbcorePublisher node via a line with a multiplicity of 1..∞, indicating a one-to-many relationship. Each node has a descriptive text box below it: the publisher node box states "The descriptor publisher identifies a person or organization primarily responsible for distributing or making a media..." and the publisherRole node box states "Use the descriptor publisherRole to identify the role played by the specific publisher or publishing entity identified...".</p>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	publisher , publisherRole +						
Children	publisher , publisherRole						
Instance	<pre><pbcorePublisher> <publisher affiliation="" annotation="" linkedID="">{1,1}</publisher> <publisherRole annotation="" source="" version="">{1,unbounded}</publisherRole> </pbcorePublisher></pre>						
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcorePublisher"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="publisher" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor publisher identifies a person or organization primarily responsible for distributing or making a media item available to others. The publisher may be a person, a business, organization, group, project or service."</ xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="unbounded" minOccurs="1" name="publisherRole" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor publisherRole to identify the role played by the specific publisher or publishing entity identified in the companion descriptor publisher."</ xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_publisherRole.html"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>						

Element pbcoreDocumentDescriptionType / pbcorePublisher / publisher

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	"The descriptor publisher identifies a person or organization primarily responsible for distributing or making a media item available to others. The publisher may be a person, a business, organization, group, project or service."																				
Diagram	<pre> classDiagram publisher < -- affiliatedStringType publisher < -- xsd:string publisher < -- attributes publisher < -- affiliation publisher < -- linkedID publisher < -- annotation </pre> <p>The diagram illustrates the structure of the publisher element. It is derived from affiliatedStringType, which is itself derived from xsd:string. The publisher element also includes attributes for affiliation, linkedID, and annotation.</p>																				
Type	affiliatedStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>affiliation</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>annotation</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>linkedID</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	affiliation				optional	annotation				optional	linkedID				optional
QName	Type	Fixed	Default	Use																	
affiliation				optional																	
annotation				optional																	
linkedID				optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="publisher" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor publisher identifies a person or organization primarily responsible for distributing or making a media item available to others. The publisher may be a person, a business, organization, group, project or service."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element pbcoreDocumentDescriptionType / pbcorePublisher / publisherRole

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"Use the descriptor publisherRole to identify the role played by the specific publisher or publishing entity identified in the companion descriptor publisher."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_publisherRole.html"</p>				
Diagram	<pre> classDiagram publisherRole < -- sourceVersionStringType publisherRole < -- xsd:string publisherRole < -- attributes publisherRole < -- sourceVersionGroup </pre> <p>The diagram illustrates the structure of the publisherRole element. It is derived from sourceVersionStringType, which is itself derived from xsd:string. The publisherRole element also includes attributes for sourceVersionGroup.</p>				
Type	sourceVersionStringType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	maxOccurs:	unbounded			
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="1" name="publisherRole" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor publisherRole to identify the role played by the specific publisher or publishing entity identified in the companion descriptor publisher."</ <xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_publisherRole.html"</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element pbcoreDocumentDescriptionType / pbcoreRightsSummary

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The Rights for all Instantiations or General Rights."						
Diagram	<pre> classDiagram rightsSummaryType < -- pbcoreRightsSummary rightsSummaryType < -- rightsSummary rightsSummaryType < -- rightsLink rightsSummaryType < -- rightsEmbedded </pre> <p>The diagram illustrates the UML class hierarchy. At the top is the class rightsSummaryType, which is a generalization of pbcoreRightsSummary. The rightsSummaryType class has three associated objects: rightsSummary (Type: sourceVersionStringType), rightsLink (Type: rightsLinkType), and rightsEmbedded (Type: embeddedType). A callout box provides the annotation for the rightsSummary field: "Use the descriptor rightsSummary as an all-purpose container field to identify information about copyrights and...".</p>						
Type	rightsSummaryType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	rightsSummary{0,1} rightsLink{0,1} rightsEmbedded{0,1}						
Children	rightsEmbedded, rightsLink, rightsSummary						
Instance	<pre> <pbcoreRightsSummary> <rightsSummary annotation="" source="" version="">{0,1}</rightsSummary> <rightsLink annotation="">{0,1}</rightsLink> <rightsEmbedded annotation="">{0,1}</rightsEmbedded> </pbcoreRightsSummary> </pre>						
Source	<pre> <xsd:element name="pbcoreRightsSummary" type="rightsSummaryType" maxOccurs="unbounded" minOccurs="0"> <xsd:annotation> <xsd:documentation xml:lang="en">"The Rights for all Instantiations or General Rights."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element rightsSummaryType / rightsSummary

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"Use the descriptor rightsSummary as an all-purpose container field to identify information about copyrights and property rights held in and over a media item, whether they are open access or restricted in some way. If dates, times and availability periods are associated with a right, include them. End user permissions, constraints and obligations may also be identified, as needed."

Diagram																					
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>source</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>version</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="rightsSummary" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor rightsSummary as an all-purpose container field to identify information about copyrights and property rights held in and over a media item, whether they are open access or restricted in some way. If dates, times and availability periods are associated with a right, include them. End user permissions, constraints and obligations may also be identified, as needed."</xsd:documentation> </xsd:annotation> </xsd:element></pre>																				

Element rightsSummaryType / rightsLink

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	A URI pointing to a declaration of rights										
Diagram											
Type	rightsLinkType										
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1				
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="rightsLink" type="rightsLinkType"> <xsd:annotation> <xsd:documentation>A URI pointing to a declaration of rights</xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element rightsSummaryType / rightsEmbedded

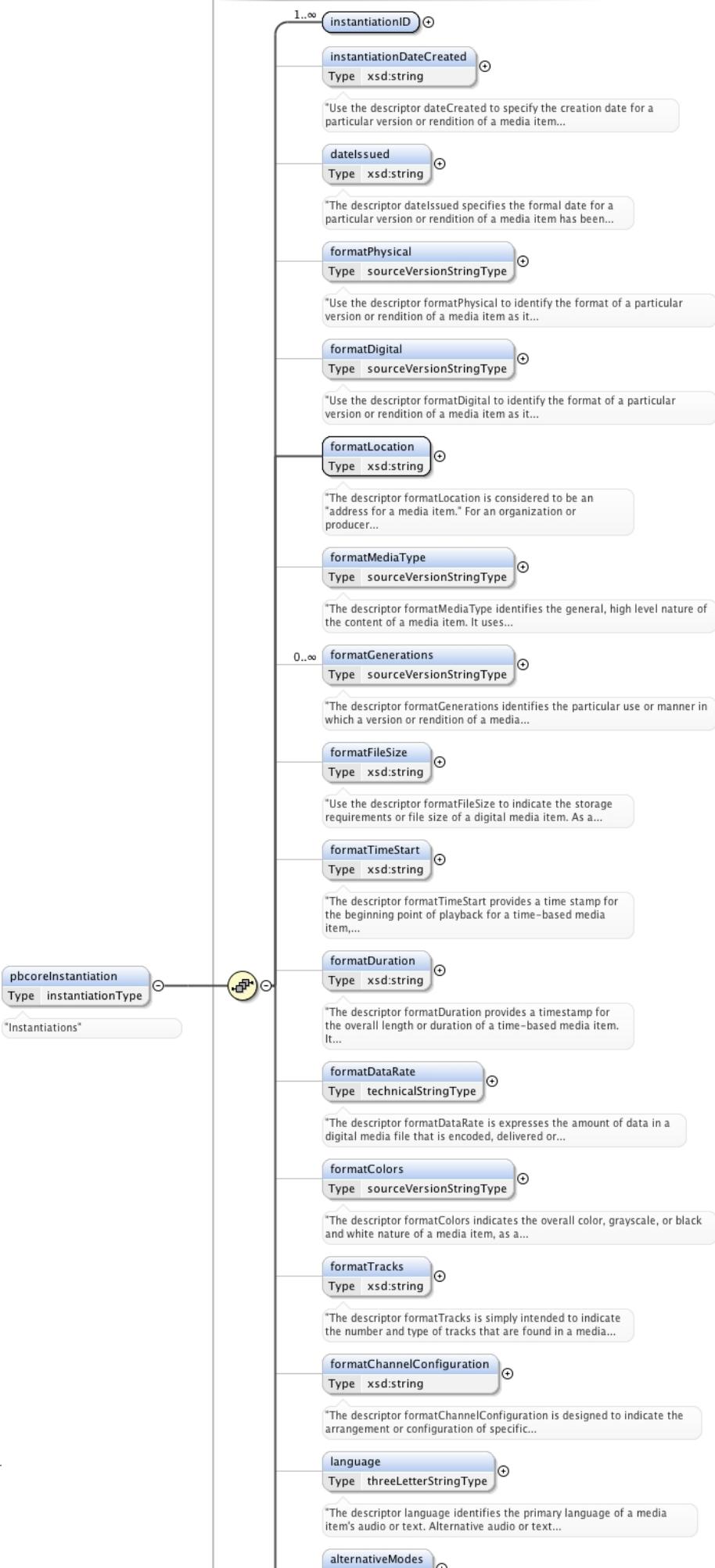
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Diagram	<pre> classDiagram class rightsEmbedded { <<rightsSummaryType / rightsEmbedded>> Type embeddedType } class embeddedType { <<@ attributes>> annotation { Type xsd:string } } rightsEmbedded "0..∞" --> "#any" </pre>										
Type	embeddedType										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1				
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Model	ANY element from ANY namespace										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th><th style="width: 20%;">Type</th><th style="width: 20%;">Fixed</th><th style="width: 20%;">Default</th><th style="width: 20%;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							
Source	<xsd:element name="rightsEmbedded" type="embeddedType" maxOccurs="1" minOccurs="0"/>										

Element pbcoreDocumentDescriptionType / pbcoreInstantiation

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"Instantiations"

Diagram

instantiationType



Type	instantiationType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	instantiationID+, instantiationDateCreated{0,1}, dateIssued{0,1}, formatPhysical{0,1}, formatDigital{0,1}, formatLocation, formatMediaType{0,1}, formatGenerations*, formatFileSize{0,1}, formatTimeStart{0,1}, formatDuration{0,1}, formatDataRate{0,1}, formatColors{0,1}, formatTracks{0,1}, formatChannelConfiguration{0,1}, language{0,1}, alternativeModes{0,1}, instantiationEssenceTrack+, instantiationDateAvailable*, instantiationRights*, instantiationAnnotation*, instantiationPart*
Children	alternativeModes, dateIssued, formatChannelConfiguration, formatColors, formatDataRate, formatDigital, formatDuration, formatFileSize, formatGenerations, formatLocation, formatMediaType, formatPhysical, formatTimeStart, formatTracks, instantiationAnnotation, instantiationDateAvailable, instantiationDateCreated, instantiationEssenceTrack, instantiationID, instantiationPart, instantiationRights, language
Instance	<pre><pcoreInstantiation> <instantiationID>{1,unbounded}</instantiationID> <instantiationDateCreated>{0,1}</instantiationDateCreated> <dateIssued>{0,1}</dateIssued> <formatPhysical annotation="" source="" version="">{0,1}</formatPhysical> <formatDigital annotation="" source="" version="">{0,1}</formatDigital> <formatLocation>{1,1}</formatLocation> <formatMediaType annotation="" source="" version="">{0,1}</formatMediaType> <formatGenerations annotation="" source="" version="">{0,unbounded}</formatGenerations> <formatFileSize>{0,1}</formatFileSize> <formatTimeStart>{0,1}</formatTimeStart> <formatDuration>{0,1}</formatDuration> <formatDataRate annotation="" unitsOfMeasure="">{0,1}</formatDataRate> <formatColors annotation="" source="" version="">{0,1}</formatColors> <formatTracks>{0,1}</formatTracks> <formatChannelConfiguration>{0,1}</formatChannelConfiguration> <language annotation="" source="" version="">{0,1}</language> <alternativeModes>{0,1}</alternativeModes> <instantiationEssenceTrack>{1,unbounded}</instantiationEssenceTrack> <instantiationDateAvailable>{0,unbounded}</instantiationDateAvailable> <instantiationRights>{0,unbounded}</instantiationRights> <instantiationAnnotation annotationType="">{0,unbounded}</instantiationAnnotation> <instantiationPart annotation="" relationID="" relationType="">{0,unbounded}</instantiationPart> </pcoreInstantiation></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pcoreInstantiation" type="instantiationType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Instantiations"</xsd:documentation> </xsd:annotation> </xsd:element></pre>

Element instantiationType / instantiationID

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	<p>The diagram illustrates the UML class <code>instantiationID</code>. It has two associations: one to <code>instantiationIdentifier</code> (xsd:string) and another to <code>instantiationIdentifierSource</code> (<code>sourceVersionStringType</code>). A callout box provides a detailed description of each association.</p> <ul style="list-style-type: none"> instantiationIdentifier: Type <code>xsd:string</code>. Description: "The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular..." instantiationIdentifierSource: Type <code>sourceVersionStringType</code>. Description: "The descriptor formatIdentifierSource is used in combination with the unambiguous reference or identifier for a..."
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>
Model	instantiationIdentifier, instantiationIdentifierSource
Children	instantiationIdentifier, instantiationIdentifierSource
Instance	<pre><instantiationID> <instantiationIdentifier>{1,1}</instantiationIdentifier> <instantiationIdentifierSource annotation="" source="" version="">{1,1}</instantiationIdentifierSource> </instantiationID></pre>

Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="1" name="instantiationID"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular rendition/instantiation of a media item. Best practice is to identify the media item (whether analog or digital) by means of a string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifierSource is used in combination with the unambiguous reference or identifier for a descriptor number, but also indicates an agency or institution who assigned it."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>
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Element instantiationType / instantiationID / instantiationIdentifier

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html							
Annotations	<p>"The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular rendition/instantiation of a media item. Best practice is to identify the media item (whether analog or digital) by means of a string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</p>							
Diagram	<pre> classDiagram class instantiationIdentifier { Type xsd:string } xsd:string instantiationIdentifier "1" --o xsd:string instantiationIdentifier <<The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular...>> xsd:string <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>							
Type	xsd:string							
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>		content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple							
minOccurs:	1							
maxOccurs:	1							
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular rendition/instantiation of a media item. Best practice is to identify the media item (whether analog or digital) by means of a string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>							

Element instantiationType / instantiationID / instantiationIdentifierSource

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"The descriptor formatIdentifierSource is used in combination with the unambiguous reference or identifier for a rendition/instantiation of a media item as found in the descriptor formatIdentifier. Thus PBCore provides not only a locator number, but also indicates an agency or institution who assigned it."</p>																				
Diagram	<pre> classDiagram class instantiationIdentifierSource { <<instantiationIdentifierSource Type sourceVersionStringType>> } class sourceVersionStringType { <<sourceVersionStringType Base Type xsd:string @ attributes + sourceVersionGroup } instantiationIdentifierSource < -- sourceVersionStringType </pre> <p>The diagram illustrates the UML class structure for the element. The <code>instantiationIdentifierSource</code> class is shown with its type constraint set to <code>sourceVersionStringType</code>. The <code>sourceVersionStringType</code> class is defined as a base type of <code>xsd:string</code>, which is described as a built-in primitive type representing character strings in XML. Additionally, the <code>sourceVersionStringType</code> class has attributes, one of which is <code>sourceVersionGroup</code>.</p>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifierSource is used in combination with the unambiguous reference or identifier for a rendition/instantiation of a media item as found in the descriptor number, but also indicates an agency or institution who assigned it."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element instantiationType / instantiationDateCreated

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"Use the descriptor dateCreated to specify the creation date for a particular version or rendition of a media item across its life cycle. It is the moment in time that the media item was finalized during its production process and is forwarded to other divisions or agencies to make it ready for publication or distribution. A specific time may also be associated with the date."</p>						
Diagram	<pre> classDiagram class instantiationDateCreated { <<instantiationDateCreated Type xsd:string } class xsd:string { <<xsd:string Built-in primitive type. The string datatype represents character strings in XML. } instantiationDateCreated < -- xsd:string </pre> <p>The diagram illustrates the UML class structure for the element. The <code>instantiationDateCreated</code> class is shown with its type constraint set to <code>xsd:string</code>. The <code>xsd:string</code> class is described as a built-in primitive type representing character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="instantiationDateCreated" type="xsd:string"> <xsd:annotation> </pre>						

```

<xsd:documentation xml:lang="en">"Use the descriptor dateCreated to specify the
creation date for a particular version or rendition of a media item
across its
life cycle. It is the moment in time that the media item was finalized
during its
production process and is forwarded to other divisions or agencies to
make it
ready for publication or distribution. A specific time may also be
associated with
the date."</xsd:documentation>
</xsd:annotation>
</xsd:element>
```

Element instantiationType / dateIssued

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor dateIssued specifies the formal date for a particular version or rendition of a media item has been made ready or officially released for distribution, publication or consumption. A specific time may also be associated with the date."						
Diagram	<p>The descriptor dateIssued specifies the formal date for a particular version or rendition of a media item has been...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="dateIssued" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateIssued specifies the formal date for a particular version or rendition of a media item has been made ready or officially released for distribution, publication or consumption. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element instantiationType / formatPhysical

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"Use the descriptor formatPhysical to identify the format of a particular version or rendition of a media item as it exists in an actual physical form that occupies physical space (e.g., a tape on a shelf), rather than as a digital file residing on a server or hard drive."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatPhysical.html"</p>						
Diagram	<p>sourceVersionStringType Base Type xsd:string</p> <p>formatPhysical Type sourceVersionStringType</p> <p>Use the descriptor formatPhysical to identify the format of a particular version or rendition of a media item as it...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p> <p>@ attributes</p> <p>sourceVersionGroup</p>						
Type	sourceVersionStringType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="formatPhysical" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor formatPhysical to identify the format of a particular version or rendition of a media item as it exists in an actual physical form that occupies physical space (e.g., a tape on a shelf), rather than as a digital file residing on a server or hard drive."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatPhysical.html"</ xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element instantiationType / formatDigital

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	<p>"Use the descriptor formatDigital to identify the format of a particular version or rendition of a media item as it exists in its digital form, i.e., as a digital file on a server or hard drive. Digital media formats may be expressed with formal Internet MIME types."</p> <p>"MIME types change often see references at http://www.pbcore.org/PBCore/formatDigital.html"</p> <p>"Picklist may not be up to date at http://www.pbcore.org/PBCore/picklists/picklist_formatDigital.html"</p>										
Diagram	<pre> classDiagram class formatDigital { <<sourceVersionStringType>> } class sourceVersionStringType { <<Base Type xsd:string>> } class xsdstring { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class attributes { <<@ attributes>> } class sourceVersionGroup { <<sourceVersionGroup>> } formatDigital < -- sourceVersionStringType sourceVersionStringType < -- xsdstring xsdstring < -- attributes attributes < -- sourceVersionGroup </pre>										
Type	sourceVersionStringType										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Attributes	QName	Type	Fixed	Default	Use						
	annotation	xsd:string			optional						
	source	xsd:string			optional						
	version	xsd:string			optional						
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="formatDigital" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor formatDigital to identify the format of a particular version or rendition of a media item as it exists in its digital form, i.e., as a digital file on a server or hard drive. Digital formats may be expressed with formal Internet MIME types."</ xsd:documentation> <xsd:documentation xml:lang="en">"MIME types change often see references at http://www.pbcore.org/PBCore/formatDigital.html"</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist may not be up to date at http://www.pbcore.org/PBCore/picklists/picklist_formatDigital.html"</ xsd:documentation></pre>										

```
    </xsd:annotation>
</xsd:element>
```

Element instantiationType / formatLocation

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor formatLocation is considered to be an "address for a media item." For an organization or producer acting as caretaker of a media resource, formatLocation may contain information about a specific shelf location for an asset, including an organization's name, departmental name, shelf ID and contact information. The formatLocation for a data file or web page may include domain, path, filename or html page."						
Diagram	<p>The descriptor formatLocation is considered to be an "address for a media item." For an organization or producer acting as caretaker of a media resource, formatLocation may contain information about a specific shelf location for an asset, including an organization's name, departmental name, shelf ID and contact information. The formatLocation for a data file or web page may include domain, path, filename or html page...</p>						
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre style="font-family: monospace; font-size: 0.8em;"> <xsd:element maxOccurs="1" minOccurs="1" name="formatLocation" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatLocation is considered to be an "address for a media item." For an organization or producer acting as caretaker of a media resource, formatLocation may contain information about a specific shelf location for an asset, including an organization's name, departmental name, shelf ID and contact information. The formatLocation for a data file or web page may include domain, path, filename or html page."</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element instantiationType / formatMediaType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	"The descriptor formatMediaType identifies the general, high level nature of the content of a media item. It uses categories that show how content is presented to an observer, e.g., as a sound or text or moving image." "Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatMediaType.html "										
Diagram	<p>The descriptor formatMediaType identifies the general, high level nature of the content of a media item. It uses categories that show how content is presented to an observer, e.g., as a sound or text or moving image...</p>										
Type	sourceVersionStringType										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1				
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"> QName</th><th style="width: 15%;"> Type</th><th style="width: 15%;"> Fixed</th><th style="width: 15%;"> Default</th><th style="width: 15%;"> Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							

	QName	Type	Fixed	Default	Use
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="formatMediaType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatMediaType identifies the general, high level nature of the content of a media item. It uses categories that show how content is presented to an observer, e.g., as a sound or text or moving image."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatMediaType.html"</ xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element instantiationType / formatGenerations

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	<p>"The descriptor formatGenerations identifies the particular use or manner in which a version or rendition of a media item is used, e.g., Audio/Narration or Moving image/Backup master."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatGenerations.html"</p>										
Diagram	<pre> classDiagram sourceVersionStringType < -- formatGenerations sourceVersionStringType { xsd:string @ attributes sourceVersionGroup } note over formatGenerations: "The descriptor formatGenerations identifies the particular use or manner in which a version or rendition of a media..." note over sourceVersionStringType: "Built-in primitive type. The string datatype represents character strings in XML." </pre>										
Type	sourceVersionStringType										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex										
minOccurs:	0										
maxOccurs:	unbounded										
Attributes	QName	Type	Fixed	Default	Use						
	annotation	xsd:string			optional						
	source	xsd:string			optional						
	version	xsd:string			optional						
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="formatGenerations" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatGenerations identifies the particular use or manner in which a version or rendition of a media item is used, e.g., Audio/Narration or Moving image/Backup master."</ xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/ picklist_formatGenerations.html"</xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element instantiationType / formatFileSize

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"Use the descriptor formatFileSize to indicate the storage requirements or file size of a digital media item. As a standard, express the file size in bytes."</p>				

Diagram	<pre> classDiagram class formatFileSize { <<Use the descriptor formatFileSize to indicate the storage requirements or file size of a digital media item. As a...>> } class xsd:string formatFileSize "0" --> xsd:string </pre> <p>"Use the descriptor formatFileSize to indicate the storage requirements or file size of a digital media item. As a..."</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="formatFileSize" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor formatFileSize to indicate the storage requirements or file size of a digital media item. As a standard, express the file size in bytes."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element instantiationType / formatTimeStart

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"The descriptor formatTimeStart provides a time stamp for the beginning point of playback for a time-based media item, such as digital video or audio. Use in combination with formatDuration to identify a sequence or segment of a media item that has a fixed start time and end time."</p>						
Diagram	<pre> classDiagram class formatTimeStart { <<The descriptor formatTimeStart provides a time stamp for the beginning point of playback for a time-based media item,...>> } class xsd:string formatTimeStart "0" --> xsd:string </pre> <p>"The descriptor formatTimeStart provides a time stamp for the beginning point of playback for a time-based media item,..."</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="formatTimeStart" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatTimeStart provides a time stamp for the beginning point of playback for a time-based media item, such as digital video or audio. Use in combination with formatDuration to identify a sequence or segment of a media item that has a fixed start time and end time."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element instantiationType / formatDuration

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	<p>"The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It represents the playback time."</p>
Diagram	<pre> classDiagram class formatDuration { <<The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It...>> } class xsd:string formatDuration "0" --> xsd:string </pre> <p>"The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It..."</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xsd:string

Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="formatDuration" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It represents the playback time."</xsd:documentation> </xsd:annotation> </xsd:element></pre>

Element instantiationType / formatDataRate

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html															
Annotations	<p>"The descriptor formatDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often dependent on the codec used to compress and encode a digital file, generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second."</p>															
Diagram	<pre> classDiagram class formatDataRate { <<The descriptor formatDataRate is expresses the amount of data in a digital media file that is encoded, delivered or...>> <<Type technicalStringType>> } class technicalStringType { <<Base Type xsd:string>> } class xsd:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> @attributes @unitsOfMeasure @annotation } formatDataRate < -- technicalStringType technicalStringType < -- xsd:string </pre>															
Type	technicalStringType															
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>unitsOfMeasure</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation				optional	unitsOfMeasure				optional
QName	Type	Fixed	Default	Use												
annotation				optional												
unitsOfMeasure				optional												
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="formatDataRate" type="technicalStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often dependent on the codec used to compress and encode a digital file, generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second."</xsd:documentation> </xsd:annotation> </xsd:element></pre>															

Element instantiationType / formatColors

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	<p>"The descriptor formatColors indicates the overall color, grayscale, or black and white nature of a media item, as a single occurrence or combination of occurrences in or throughout the media item."</p> <p>"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatColors.html"</p>

Diagram	<pre> classDiagram sourceVersionStringType < -- formatColors sourceVersionStringType < -- xsd:string sourceVersionStringType < -- sourceVersionGroup xsd:string < -- xsd:string xsd:string < -- sourceVersionGroup </pre> <p>The descriptor formatColors indicates the overall color, grayscale, or black and white nature of a media item, as a single occurrence or combination of occurrences in or throughout the media item.</p>																				
Type	sourceVersionStringType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Fixed</th><th style="padding: 2px;">Default</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">source</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">version</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="formatColors" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatColors indicates the overall color, grayscale, or black and white nature of a media item, as a single occurrence or combination of occurrences in or throughout the media item."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_formatColors.html"</ xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element instantiationType / formatTracks

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor formatTracks is simply intended to indicate the number and type of tracks that are found in a media item, whether it is analog or digital. For example, 1 video track, 2 audio tracks, 1 text track, 1 sprite track, etc. Other configuration information specific to these identified tracks should be described using formatChannelConfiguration."						
Diagram	<pre> classDiagram formatTracks < -- xsd:string </pre> <p>The descriptor formatTracks is simply intended to indicate the number and type of tracks that are found in a media...</p>						
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="formatTracks" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatTracks is simply intended to indicate the number and type of tracks that are found in a media item, whether it is analog or digital. For example, 1 video track, 2 audio tracks, 1 text track, 1 sprite track, etc. Other configuration information specific to these identified tracks should be described using formatChannelConfiguration."</ xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element instantiationType / formatChannelConfiguration

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor formatChannelConfiguration is designed to indicate the arrangement or configuration of specific channels or layers of information within a media item's tracks. Examples are 2-track mono, 8 track stereo, or video track with alpha channel."						
Diagram	<pre> classDiagram class formatChannelConfiguration { <<The descriptor formatChannelConfiguration is designed to indicate the arrangement or configuration of specific channels or layers of information within a media item's tracks. Examples are 2-track mono, 8 track stereo, or video track with alpha channel.>> } class xsdString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } formatChannelConfiguration < -- xsdString </pre>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="formatChannelConfiguration" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatChannelConfiguration is designed to indicate the arrangement or configuration of specific channels or layers of information within a media item's tracks. Examples are 2-track mono, 8 track stereo, or video track with alpha channel."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element instantiationType / language

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Annotations	<p>"The descriptor language identifies the primary language of a media item's audio or text. Alternative audio or text tracks and their associated languages should be identified using the descriptor alternativeModes."</p> <p>"Use reference at http://www.pbcore.org/PBCore/language.html"</p>																				
Diagram	<pre> classDiagram class language { <<The descriptor language identifies the primary language of a media item's audio or text. Alternative audio or text...>> } class threeLetterStringType { <<Base Type threeLetterCode @ attributes sourceVersionGroup>> } language < -- threeLetterStringType class threeLetterCode { <<@ attributes sourceVersionGroup>> } </pre>																				
Type	threeLetterStringType																				
Type hierarchy	<ul style="list-style-type: none"> xsd:string <ul style="list-style-type: none"> threeLetterCode threeLetterStringType 																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element name="language" type="threeLetterStringType" maxOccurs="1" minOccurs="0"> </pre>																				

```

<xsd:annotation>
  <xsd:documentation xml:lang="en">"The descriptor language identifies the primary
language of a media item's audio or text. Alternative audio or text
tracks and
their associated languages should be identified using the descriptor
alternativeModes."</xsd:documentation>
  <xsd:documentation xml:lang="en">"Use reference at
  http://www.pbcore.org/PBCore/language.html"</xsd:documentation>
</xsd:annotation>
</xsd:element>

```

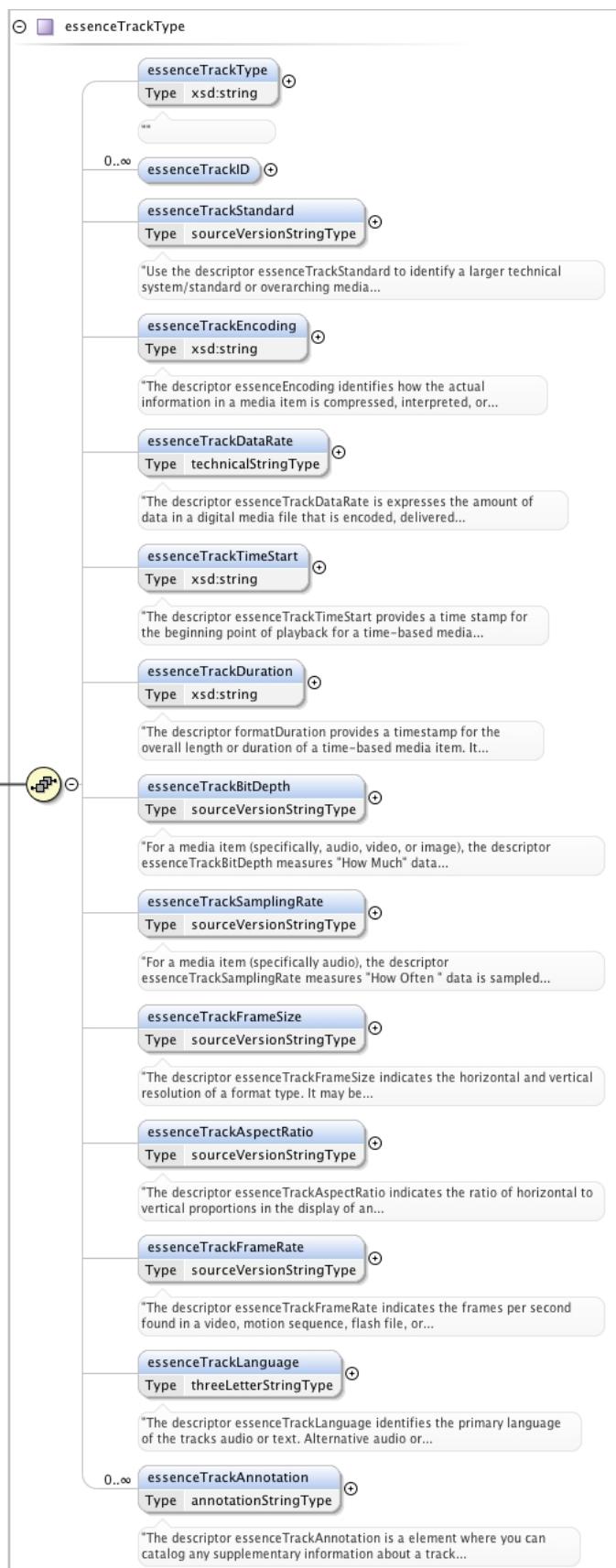
Element instantiationType / alternativeModes

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	<p>"The descriptor alternativeModes is a catch-all metadata element that identifies equivalent alternatives to the primary visual, sound or textual information that exists in a media item. These are modes that offer alternative ways to see, hear, and read the content of a media item. Examples include DVI (Descriptive Video Information), SAP (Supplementary Audio Program), ClosedCaptions, OpenCaptions, Subtitles, Language Dubs, and Transcripts. For each instance of available alternativeModes, the mode and its associated language should be identified together, if applicable. Examples include 'SAP in English,' 'SAP in Spanish,' 'Subtitle in French,' 'OpenCaption in Arabic.'"</p>						
Diagram	<p>The diagram shows a UML class diagram fragment. It features a rounded rectangle labeled "alternativeModes" with a small circle icon to its right, indicating it's a type. Below this, the word "Type" is followed by "xsd:string". A line connects "xsd:string" to another rounded rectangle labeled "xsd:string". A callout bubble points from the text "The descriptor alternativeModes is a catch-all metadata element that identifies equivalent alternatives to the primary..." towards the "xsd:string" box.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="alternativeModes" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor alternativeModes is a catch-all metadata element that identifies equivalent alternatives to the primary visual, sound or textual information that exists in a media item. These are modes that offer alternative ways to see, hear, and read the content of a media item. Examples include DVI (Descriptive Video Information), SAP (Supplementary Program), ClosedCaptions, OpenCaptions, Subtitles, Language Dubs, and Transcripts. For each instance of available alternativeModes, the mode and its associated language should be identified together, if applicable. Examples include 'SAP in English,' 'SAP in Spanish,' 'Subtitle in French,' 'OpenCaption in Arabic.'"</xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

Element instantiationType / instantiationEssenceTrack

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram



Type	essenceTrackType
------	------------------

Properties	content: complex minOccurs: 1
------------	----------------------------------

	maxOccurs: unbounded
Model	essenceTrackType{0,1} , essenceTrackID* , essenceTrackStandard{0,1} , essenceTrackEncoding{0,1} , essenceTrackDataRate{0,1} , essenceTrackTimeStart{0,1} , essenceTrackDuration{0,1} , essenceTrackBitDepth{0,1} , essenceTrackSamplingRate{0,1} , essenceTrackFrameSize{0,1} , essenceTrackAspectRatio{0,1} , essenceTrackFrameRate{0,1} , essenceTrackLanguage{0,1} , essenceTrackAnnotation*
Children	essenceTrackAnnotation, essenceTrackAspectRatio, essenceTrackBitDepth, essenceTrackDataRate, essenceTrackDuration, essenceTrackEncoding, essenceTrackFrameRate, essenceTrackFrameSize, essenceTrackID, essenceTrackLanguage, essenceTrackSamplingRate, essenceTrackStandard, essenceTrackTimeStart, essenceTrackType
Instance	<pre><instantiationEssenceTrack> <essenceTrackType>{0,1}</essenceTrackType> <essenceTrackID>{0,unbounded}</essenceTrackID> <essenceTrackStandard annotation="" source="" version="">{0,1}</essenceTrackStandard> <essenceTrackEncoding>{0,1}</essenceTrackEncoding> <essenceTrackDataRate annotation="" unitsOfMeasure="">{0,1}</essenceTrackDataRate> <essenceTrackTimeStart>{0,1}</essenceTrackTimeStart> <essenceTrackDuration>{0,1}</essenceTrackDuration> <essenceTrackBitDepth annotation="" source="" version="">{0,1}</essenceTrackBitDepth> <essenceTrackSamplingRate annotation="" source="" version="">{0,1}</ essenceTrackSamplingRate> <essenceTrackFrameSize annotation="" source="" version="">{0,1}</essenceTrackFrameSize> <essenceTrackAspectRatio annotation="" source="" version="">{0,1}</ essenceTrackAspectRatio> <essenceTrackFrameRate annotation="" source="" version="">{0,1}</essenceTrackFrameRate> <essenceTrackLanguage annotation="" source="" version="">{0,1}</essenceTrackLanguage> <essenceTrackAnnotation annotationType="">{0,unbounded}</essenceTrackAnnotation> </instantiationEssenceTrack></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="1" name="instantiationEssenceTrack" type="essenceTrackType"> </xsd:element></pre>

Element essenceTrackType / essenceTrackType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	" "						
Diagram	<p>The diagram shows the 'essenceTrackType' class connected to the 'xsd:string' primitive type. A note below states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackType" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> " "</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element essenceTrackType / essenceTrackID

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Diagram	<p>The diagram shows the 'essenceTrackID' class connected to two associations: one to 'essenceTrackIdentifier' (multiplicity 0..1) and another to 'essenceTrackIdentifierSource' (multiplicity 0..1). Both associations have '+' symbols at their ends.</p>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	essenceTrackIdentifier , essenceTrackIdentifierSource						

Children	essenceTrackIdentifier, essenceTrackIdentifierSource
Instance	<pre><essenceTrackID> <essenceTrackIdentifier>{1,1}</essenceTrackIdentifier> <essenceTrackIdentifierSource>{1,1}</essenceTrackIdentifierSource> </essenceTrackID></pre>
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="essenceTrackID"> <xsd:complexType> <xsd:sequence> <!-- the pbcore essence track identifier --> <xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"><"></xsd:documentation> </xsd:annotation> </xsd:element> <!-- the pbcore essence track identifier source --> <xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifierSource" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"><"></xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element></pre>

Element essenceTrackType / essenceTrackID / essenceTrackIdentifier

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	" "						
Diagram	<p>The diagram shows a class named 'essenceTrackIdentifier' with a multiplicity of 1..* and a directed association to a class named 'xsd:string' with a multiplicity of 0..1. A callout bubble points to the 'xsd:string' class with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"><"></xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element essenceTrackType / essenceTrackID / essenceTrackIdentifierSource

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	" "						
Diagram	<p>The diagram shows a class named 'essenceTrackIdentifierSource' with a multiplicity of 1..* and a directed association to a class named 'xsd:string' with a multiplicity of 0..1. A callout bubble points to the 'xsd:string' class with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifierSource" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"><"></xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element essenceTrackType / essenceTrackStandard

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Annotations	"Use the descriptor essenceTrackStandard to identify a larger technical system/standard or overarching media architecture under which various media formats exist, e.g., NTSC is a system/standard under which many video formats exist."																				
Diagram	<pre> classDiagram sourceVersionStringType < -- essenceTrackStandard sourceVersionStringType { <<Base Type xsd:string>> <<xsd:string>> <<Built-in primitive type. The string datatype represents character strings in XML.>> <<@ attributes>> <<sourceVersionGroup>> } essenceTrackStandard { <<"Use the descriptor essenceTrackStandard to identify a larger technical system/standard or overarching media...">> } </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>source</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>version</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackStandard" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor essenceTrackStandard to identify a larger technical system/standard or overarching media architecture under which various media formats exist, e.g., NTSC is a system/standard under which many video formats exist."</xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element essenceTrackType / essenceTrackEncoding

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor essenceEncoding identifies how the actual information in a media item is compressed, interpreted, or formulated using a particular scheme. Identifying the encoding used is beneficial for a number of reasons, including as a way to achieve reversible compression; for the construction of document indices to facilitate searching and access; or for efficient distribution of the information across data networks with differing bandwidths or pipeline capacities."						
Diagram	<pre> classDiagram essenceTrackEncoding < -- essenceTrackType essenceTrackEncoding { <<xsd:string>> <<"The descriptor essenceEncoding identifies how the actual information in a media item is compressed, interpreted, or... >> <<Built-in primitive type. The string datatype represents character strings in XML.>> } essenceTrackType { <<"The descriptor essenceEncoding identifies how the actual information in a media item is compressed, interpreted, or... >> } </pre>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackEncoding" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceEncoding identifies how the actual information in a media item is compressed, interpreted, or formulated using a particular scheme. Identifying the encoding used is beneficial for a number of reasons, including as a way to achieve reversible compression; for the construction of document indices to facilitate searching and access; or for </xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

```

        efficient distribution of the information across data networks with
        differing
        bandwidths or pipeline capacities."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
```

Element essenceTrackType / essenceTrackDataRate

Namespace	http://www.pbc.org/PBCore/PBCoreNamespace.html										
Annotations	<p>"The descriptor essenceTrackDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often dependent on the codec used to compress and encode a digital file, generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second."</p>										
Diagram	<pre> classDiagram class essenceTrackDataRate { <<The descriptor essenceTrackDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often dependent on the codec used to compress and encode a digital file, generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second.>> } class technicalStringType { <<Base Type xsd:string>> } class xsd:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class attributes { <<@ attributes>> unitsOfMeasure annotation } essenceTrackDataRate < -- technicalStringType technicalStringType < -- xsd:string xsd:string < -- attributes </pre>										
Type	technicalStringType										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Attributes	QName	Type	Fixed	Default	Use						
	annotation				optional						
	unitsOfMeasure				optional						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackDataRate" type="technicalStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second."</ <xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element essenceTrackType / essenceTrackTimeStart

Namespace	http://www.pbc.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"The descriptor essenceTrackTimeStart provides a time stamp for the beginning point of playback for a time-based media item, such as digital video or audio. Use in combination with essenceTrackDuration to identify a sequence or segment of a media item that has a fixed start time and end time."</p>				
Diagram	<pre> classDiagram class essenceTrackTimeStart { <<The descriptor essenceTrackTimeStart provides a time stamp for the beginning point of playback for a time-based media...>> } class xsd:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } essenceTrackTimeStart < -- xsd:string </pre>				
Type	xsd:string				

Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackTimeStart" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackTimeStart provides a time stamp for the beginning point of playback for a time-based media item, such as digital video or audio. Use in combination with essenceTrackDuration to identify a sequence or segment of a media item that has a fixed start time and end time."</xsd:documentation> </xsd:annotation> </xsd:element></pre>

Element essenceTrackType / essenceTrackDuration

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It represents the playback time."
Diagram	
Type	xsd:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackDuration" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatDuration provides a timestamp for the overall length or duration of a time-based media item. It represents the playback time."</xsd:documentation> </xsd:annotation> </xsd:element></pre>

Element essenceTrackType / essenceTrackBitDepth

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"For a media item (specifically, audio, video, or image), the descriptor essenceTrackBitDepth measures "How Much" data is sampled when information is digitized, encoded, or converted. Bit depth is measured in bits and is an indicator of the perceived viewing or playback quality of a media item (the higher the bit depth, the greater the fidelity)."
Diagram	
Type	sourceVersionStringType
Properties	content: complex minOccurs: 0 maxOccurs: 1

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackBitDepth" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"For a media item (specifically, audio, video, or sampled measured in a media item (the higher the bit depth, the greater the fidelity)."</ <xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element essenceTrackType / essenceTrackSamplingRate

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"For a media item (specifically audio), the descriptor essenceTrackSamplingRate measures "How Often" data is sampled when information is digitized. For a digital audio signal, the sampling rate is measured in kiloHertz and is an indicator of the perceived playback quality of the media item (the higher the sampling rate, the greater the fidelity)."</p>				
Diagram	<pre> classDiagram sourceVersionStringType { xsd:string @ attributes sourceVersionGroup } essenceTrackSamplingRate { Type sourceVersionStringType "For a media item (specifically audio), the descriptor essenceTrackSamplingRate measures "How Often" data is sampled... } xsd:string { Base Type xsd:string Built-in primitive type. The string datatype represents character strings in XML. } </pre>				
Type	sourceVersionStringType				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>				
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackSamplingRate" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"For a media item (specifically audio), the descriptor essenceTrackSamplingRate measures "How Often" data is sampled when is quality of the media item (the higher the sampling rate, the greater the fidelity)."</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element essenceTrackType / essenceTrackFrameSize

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor essenceTrackFrameSize indicates the

	<p>horizontal and vertical resolution of a format type. It may be expressed in pixels, pixels per inch, or in the case of ATSC digital TV, a combination of pixels measured horizontally vs. the number of pixels of image/resolution data stacked vertically (interlaced and progressive scan)."</p>																				
Diagram	<pre> classDiagram class essenceTrackFrameSize { <<sourceVersionStringType>> annotation source version } class xsd.string class sourceVersionGroup essenceTrackFrameSize "1" --> xsd.string : essenceTrackFrameSize "1" --> sourceVersionGroup : </pre>																				
Type	sourceVersionStringType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackFrameSize" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackFrameSize indicates the horizontal and vertical resolution of a format type. It may be expressed in pixels, pixels per inch, or in the case of ATSC digital TV, a combination of pixels measured horizontally vs. the number of pixels of image/ resolution data stacked vertically (interlaced and progressive scan)."</ <xsd:documentation> </xsd:annotation> </xsd:element> </pre>																				

Element essenceTrackType / essenceTrackAspectRatio

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html															
Annotations	"The descriptor essenceTrackAspectRatio indicates the ratio of horizontal to vertical proportions in the display of an static image or moving image."															
Diagram	<pre> classDiagram class essenceTrackAspectRatio { <<sourceVersionStringType>> annotation source version } class xsd.string class sourceVersionGroup essenceTrackAspectRatio "1" --> xsd.string : essenceTrackAspectRatio "1" --> sourceVersionGroup : </pre>															
Type	sourceVersionStringType															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1									
content:	complex															
minOccurs:	0															
maxOccurs:	1															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional
QName	Type	Fixed	Default	Use												
annotation	xsd:string			optional												
source	xsd:string			optional												

	QName	Type	Fixed	Default	Use
	version	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackAspectRatio" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackAspectRatio indicates the ratio of horizontal to vertical proportions in the display of an static image or moving image."</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element essenceTrackType / essenceTrackFrameRate

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	<p>"The descriptor essenceTrackFrameRate indicates the frames per second found in a video, motion sequence, flash file, or animation's playback or display."</p>										
Diagram											
Type	sourceVersionStringType										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex										
minOccurs:	0										
maxOccurs:	1										
Attributes	QName	Type	Fixed	Default	Use						
	annotation	xsd:string			optional						
	source	xsd:string			optional						
	version	xsd:string			optional						
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackFrameRate" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackFrameRate indicates the frames per second found in a video, motion sequence, flash file, or animation's playback or display."</xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element essenceTrackType / essenceTrackLanguage

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"The descriptor essenceTrackLanguage identifies the primary language of the tracks audio or text. Alternative audio or text tracks and their associated languages should be identified using the descriptor alternativeModes."</p>				
Diagram					
Type	threeLetterStringType				

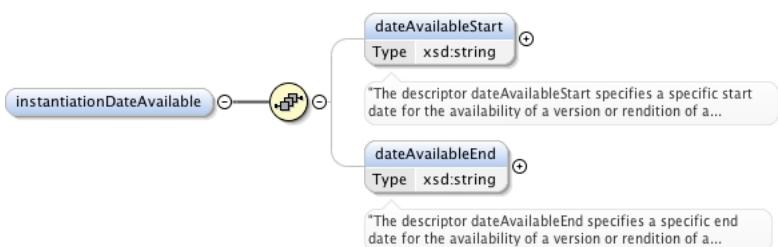
Type hierarchy	<ul style="list-style-type: none"> • xsd:string <ul style="list-style-type: none"> • threeLetterCode • threeLetterStringType 																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Fixed</th> <th style="padding: 2px;">Default</th> <th style="padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td> <td style="padding: 2px;">xsd:string</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;">optional</td> </tr> <tr> <td style="padding: 2px;">source</td> <td style="padding: 2px;">xsd:string</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;">optional</td> </tr> <tr> <td style="padding: 2px;">version</td> <td style="padding: 2px;">xsd:string</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;">optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackLanguage" type="threeLetterStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackLanguage identifies the primary language of the tracks audio or text. Alternative audio or text tracks and their associated languages should be identified using the descriptor alternativeModes."</xsd:documentation> </xsd:annotation> </xsd:element></pre>																				

Element essenceTrackType / essenceTrackAnnotation

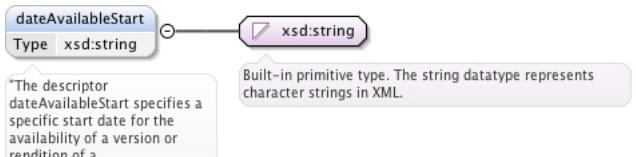
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Annotations	"The descriptor essenceTrackAnnotation is a element where you can catalog any supplementary information about a track or the metadata used to describe it. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."										
Diagram	<p>The diagram illustrates the inheritance of the essenceTrackAnnotation element from the annotationStringType. The annotationStringType is defined as a Base Type of xsd:string. The xsd:string type is described as a Built-in primitive type that represents character strings in XML. The essenceTrackAnnotation element itself is defined as having the annotationStringType as its type. It also has an attribute annotationType.</p>										
Type	annotationStringType										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded				
content:	complex										
minOccurs:	0										
maxOccurs:	unbounded										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Fixed</th> <th style="padding: 2px;">Default</th> <th style="padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotationType</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;">optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotationType				optional
QName	Type	Fixed	Default	Use							
annotationType				optional							
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="essenceTrackAnnotation" type="annotationStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackAnnotation is a element where you can catalog any supplementary information about a track or the metadata used to describe it. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."</xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element instantiationType / instantiationDateAvailable

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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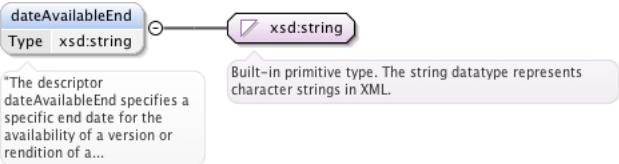
Diagram 	Properties content: complex minOccurs: 0 maxOccurs: unbounded Model dateAvailableStart{0,1} , dateAvailableEnd{0,1} Children dateAvailableEnd, dateAvailableStart Instance <instantiationDateAvailable> <dateAvailableStart>{0,1}</dateAvailableStart> <dateAvailableEnd>{0,1}</dateAvailableEnd> </instantiationDateAvailable>
Source <pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="instantiationDateAvailable"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableStart" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateAvailableStart specifies a specific start date for the availability of a version or rendition of a media item. It may refer to start dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableEnd" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateAvailableEnd specifies a specific end date for the availability of a version or rendition of a media item. It may refer to end dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>	

Element instantiationType / instantiationDateAvailable / dateAvailableStart

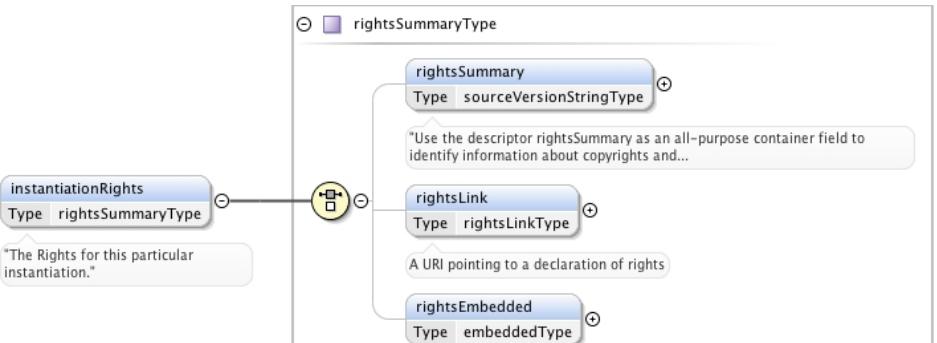
Namespace http://www.pbcore.org/PBCore/PBCoreNamespace.html	Annotations "The descriptor dateAvailableStart specifies a specific start date for the availability of a version or rendition of a media item. It may refer to start dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."
Diagram 	Type xsd:string Properties content: simple

	<table border="1"> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	minOccurs:	0	maxOccurs:	1
minOccurs:	0				
maxOccurs:	1				
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableStart" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateAvailableStart specifies a specific start date for the availability of a version or rendition of a media item. It may refer to start dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element></pre>				

Element instantiationType / instantiationDateAvailable / dateAvailableEnd

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor dateAvailableEnd specifies a specific end date for the availability of a version or rendition of a media item. It may refer to end dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."						
Diagram	 <p>The diagram shows a UML class named "dateAvailableEnd" with a multiplicity of 0..1. It has a directed association to another class "xsd:string" with a multiplicity of 0..1. A callout bubble points to the "xsd:string" class with the text: "Built-in primitive type. The string datatype represents character strings in XML." Another callout bubble points to the "dateAvailableEnd" class with the text: "The descriptor dateAvailableEnd specifies a specific end date for the availability of a version or rendition of a..."</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableEnd" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateAvailableEnd specifies a specific end date for the availability of a version or rendition of a media item. It may refer to end dates for the availability of a program that is broadcast locally, regionally, nationally or internationally, or for web-based distribution. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element instantiationType / instantiationRights

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The Rights for this particular instantiation."
Diagram	 <p>The diagram shows a UML class named "instantiationRights" with a multiplicity of 0..1. It has a directed association to another class "rightsSummaryType" with a multiplicity of 0..1. A callout bubble points to the "instantiationRights" class with the text: "The Rights for this particular instantiation." The "rightsSummaryType" class contains three components: "rightsSummary" (Type sourceVersionStringType), "rightsLink" (Type rightsLinkType), and "rightsEmbedded" (Type embeddedType). Callout bubbles point to each with their respective descriptions: "Use the descriptor rightsSummary as an all-purpose container field to identify information about copyrights and...", "A URI pointing to a declaration of rights", and "A URI pointing to a declaration of rights".</p>

Type	rightsSummaryType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	rightsSummary{0,1} rightsLink{0,1} rightsEmbedded{0,1}
Children	rightsEmbedded, rightsLink, rightsSummary
Instance	<instantiationRights> <rightsSummary annotation="" source="" version="">{0,1}</rightsSummary> <rightsLink annotation="">{0,1}</rightsLink> <rightsEmbedded annotation="">{0,1}</rightsEmbedded> </instantiationRights>
Source	<xsd:element name="instantiationRights" type="rightsSummaryType" maxOccurs="unbounded" minOccurs="0"> <xsd:annotation> <xsd:documentation xml:lang="en">"The Rights for this particular instantiation."</xsd:documentation> </xsd:annotation> </xsd:element>

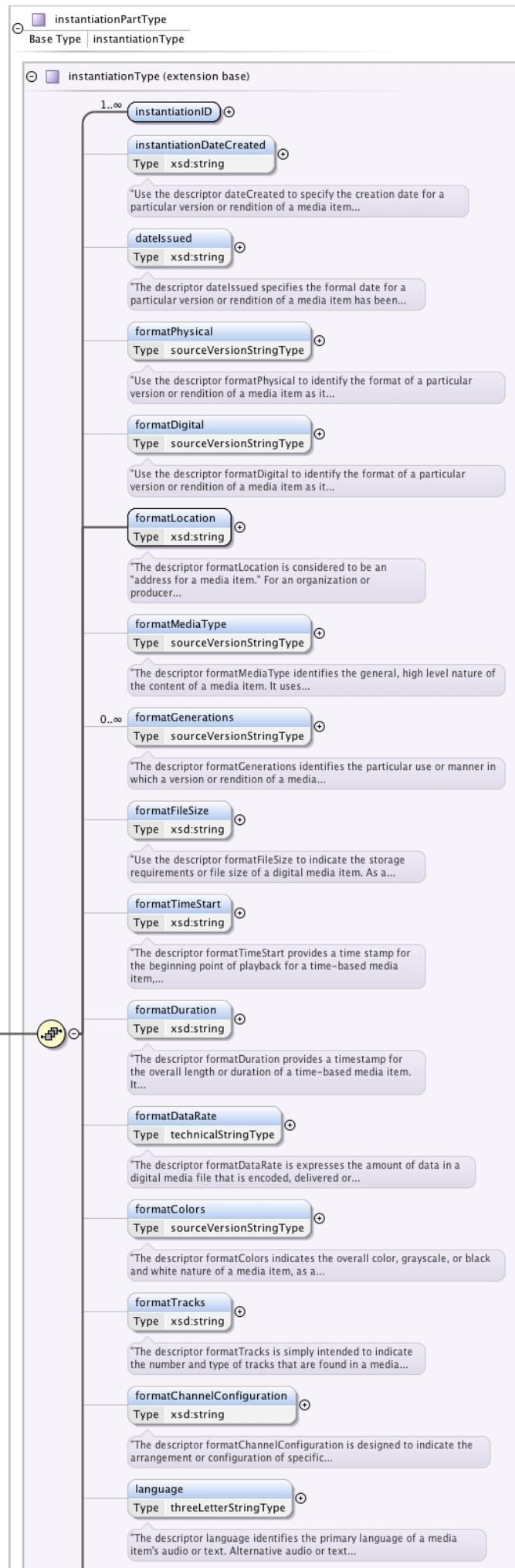
Element instantiationType / instantiationAnnotation

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html														
Annotations	<p>"The descriptor annotation is element where you can catalog any supplementary information about an instantiation of the media item or the metadata used to describe it. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."</p>														
Diagram	<pre> classDiagram annotationStringType "annotationStringType" annotationStringType < -- xsd:string "xsd:string" xsd:string < -- annotationType "@ annotationType" instantiationAnnotation "instantiationAnnotation" instantiationAnnotation < -- annotationStringType annotationStringType < -- annotationType annotationType < -- annotationType </pre> <p>The diagram illustrates the inheritance structure of the <code>instantiationAnnotation</code> element. It is defined as a type of <code>annotationStringType</code>. <code>annotationStringType</code> is a base type of <code>xsd:string</code>, which is described as a built-in primitive type representing character strings in XML. The <code>annotationStringType</code> also contains an attribute <code>annotationType</code>.</p>														
Type	annotationStringType														
Properties	content: complex minOccurs: 0 maxOccurs: unbounded														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotationType</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotationType				optional				
QName	Type	Fixed	Default	Use											
annotationType				optional											
Source	<xsd:element maxOccurs="unbounded" minOccurs="0" name="instantiationAnnotation" type="annotationStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor annotation is element where you can catalog any supplementary information about an instantiation of the media item or the metadata used to describe it. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."</xsd:documentation> </xsd:annotation> </xsd:element>														

Element instantiationType / instantiationPart

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
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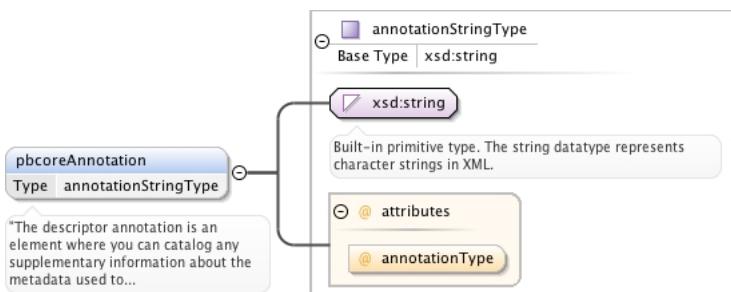
Diagram



Type	instantiationPartType																														
Type hierarchy	<ul style="list-style-type: none"> instantiationType <ul style="list-style-type: none"> instantiationPartType 																														
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>																														
Model	instantiationID+, instantiationDateCreated{0,1}, dateIssued{0,1}, formatPhysical{0,1}, formatDigital{0,1}, formatLocation, formatMediaType{0,1}, formatGenerations*, formatFileSize{0,1}, formatTimeStart{0,1}, formatDuration{0,1}, formatDataRate{0,1}, formatColors{0,1}, formatTracks{0,1}, formatChannelConfiguration{0,1}, language{0,1}, alternativeModes{0,1}, instantiationEssenceTrack+, instantiationDateAvailable*, instantiationRights*, instantiationAnnotation*, instantiationPart*																														
Children	alternativeModes, dateIssued, formatChannelConfiguration, formatColors, formatDataRate, formatDigital, formatDuration, formatFileSize, formatGenerations, formatLocation, formatMediaType, formatPhysical, formatTimeStart, formatTracks, instantiationAnnotation, instantiationDateAvailable, instantiationDateCreated, instantiationEssenceTrack, instantiationID, instantiationPart, instantiationRights, language																														
Instance	<pre><instantiationPart annotation="" relationID="" relationType=""> <instantiationID>{1,unbounded}</instantiationID> <instantiationDateCreated>{0,1}</instantiationDateCreated> <dateIssued>{0,1}</dateIssued> <formatPhysical annotation="" source="" version="">{0,1}</formatPhysical> <formatDigital annotation="" source="" version="">{0,1}</formatDigital> <formatLocation>{1,1}</formatLocation> <formatMediaType annotation="" source="" version="">{0,1}</formatMediaType> <formatGenerations annotation="" source="" version="">{0,unbounded}</formatGenerations> <formatFileSize>{0,1}</formatFileSize> <formatTimeStart>{0,1}</formatTimeStart> <formatDuration>{0,1}</formatDuration> <formatDataRate annotation="" unitsOfMeasure="">{0,1}</formatDataRate> <formatColors annotation="" source="" version="">{0,1}</formatColors> <formatTracks>{0,1}</formatTracks> <formatChannelConfiguration>{0,1}</formatChannelConfiguration> <language annotation="" source="" version="">{0,1}</language> <alternativeModes>{0,1}</alternativeModes> <instantiationEssenceTrack>{1,unbounded}</instantiationEssenceTrack> <instantiationDateAvailable>{0,unbounded}</instantiationDateAvailable> <instantiationRights>{0,unbounded}</instantiationRights> <instantiationAnnotation annotationType="">{0,unbounded}</instantiationAnnotation> <instantiationPart annotation="" relationID="" relationType="">{0,unbounded}</instantiationPart> </instantiationPart></pre>																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>relationID</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>This part is then referenced to another part."</td> </tr> <tr> <td>relationType</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	relationID	xsd:string			optional					This part is then referenced to another part."	relationType	xsd:string			optional					"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."
QName	Type	Fixed	Default	Use																											
annotation	xsd:string			optional																											
relationID	xsd:string			optional																											
				This part is then referenced to another part."																											
relationType	xsd:string			optional																											
				"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."																											
Source	<pre><xsd:element name="instantiationPart" type="instantiationPartType" maxOccurs="unbounded" minOccurs="0"> </xsd:element></pre>																														

Element pbcoreDocumentDescriptionType / pbcoreAnnotation

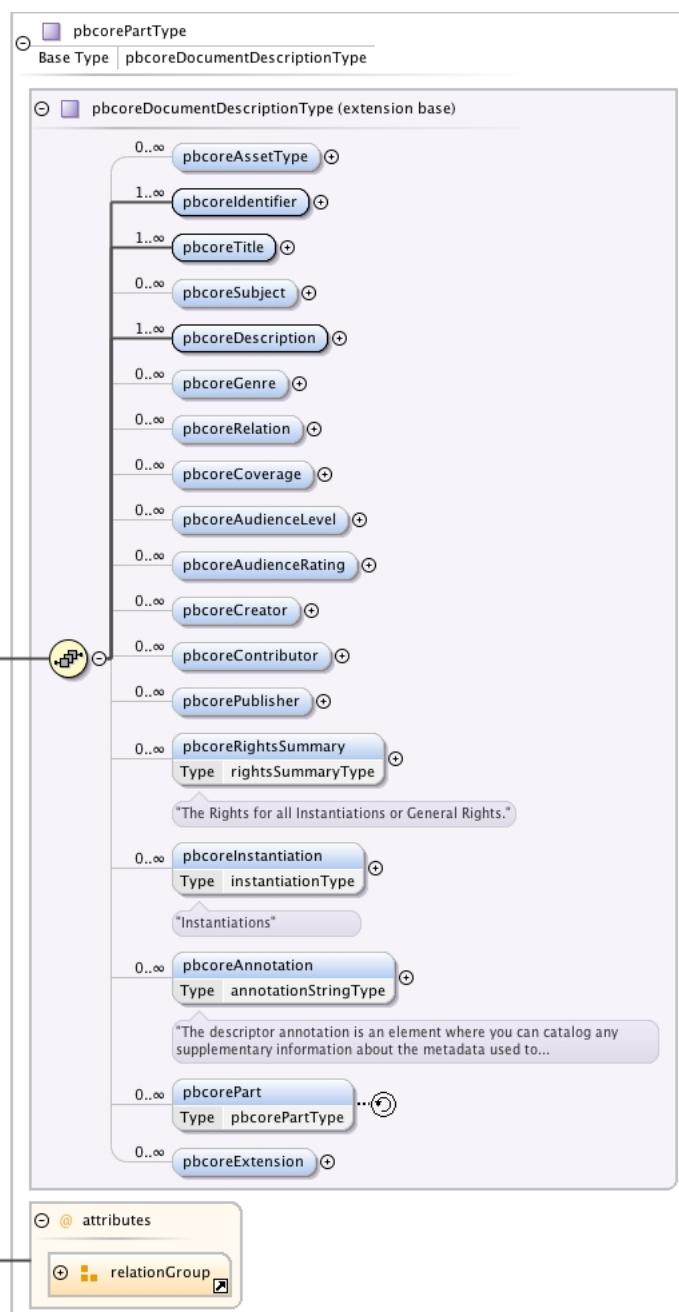
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	"The descriptor annotation is an element where you can catalog any supplementary information about the metadata used to describe the PBCore record. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."

Diagram 										
Type annotationStringType										
Properties <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">content:</td> <td style="width: 85%;">complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded				
content:	complex									
minOccurs:	0									
maxOccurs:	unbounded									
Attributes <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th> <th style="width: 20%;">Type</th> <th style="width: 20%;">Fixed</th> <th style="width: 20%;">Default</th> <th style="width: 20%;">Use</th> </tr> </thead> <tbody> <tr> <td>annotationType</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotationType				optional
QName	Type	Fixed	Default	Use						
annotationType				optional						
Source <pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAnnotation" type="annotationStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor annotation is an element where you can catalog any supplementary information about the metadata used to describe the PBCore record. annotation clarifies element values, terms, descriptors, and vocabularies that may not be otherwise sufficiently understood."</xsd:documentation> </xsd:annotation> </xsd:element></pre>										

Element pbcoreDocumentDescriptionType / pbcorePart

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	

Diagram



Type	<code>pbcorePartType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>pbcoreDocumentDescriptionType</code> <ul style="list-style-type: none"> • <code>pbcorePartType</code>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	<code>pbcoreAssetType*</code> , <code>pbcoreIdentifier+</code> , <code>pbcoreTitle+</code> , <code>pbcoreSubject*</code> , <code>pbcoreDescription+</code> , <code>pbcoreGenre*</code> , <code>pbcoreRelation*</code> , <code>pbcoreCoverage*</code> , <code>pbcoreAudienceLevel*</code> , <code>pbcoreAudienceRating*</code> , <code>pbcoreCreator*</code> , <code>pbcoreContributor*</code> , <code>pbcorePublisher*</code> , <code>pbcoreRightsSummary*</code> , <code>pbcoreInstantiation*</code> , <code>pbcoreAnnotation*</code> , <code>pbcorePart*</code> , <code>pbcoreExtension*</code>
Children	<code>pbcoreAnnotation</code> , <code>pbcoreAssetType</code> , <code>pbcoreAudienceLevel</code> , <code>pbcoreAudienceRating</code> , <code>pbcoreContributor</code> , <code>pbcoreCoverage</code> , <code>pbcoreCreator</code> , <code>pbcoreDescription</code> , <code>pbcoreExtension</code> , <code>pbcoreGenre</code> , <code>pbcoreIdentifier</code> , <code>pbcoreInstantiation</code> , <code>pbcorePart</code> , <code>pbcorePublisher</code> , <code>pbcoreRelation</code> , <code>pbcoreRightsSummary</code> , <code>pbcoreSubject</code> , <code>pbcoreTitle</code>
Instance	<pre><pbcorePart annotation="" relationID="" relationType=""> <pbcoreAssetType>{0,unbounded}</pbcoreAssetType> <pbcoreIdentifier>{1,unbounded}</pbcoreIdentifier></pre>

```

<pbcoreTitle>{1,unbounded}</pbcoreTitle>
<pbcoreSubject>{0,unbounded}</pbcoreSubject>
<pbcoreDescription>{1,unbounded}</pbcoreDescription>
<pbcoreGenre>{0,unbounded}</pbcoreGenre>
<pbcoreRelation>{0,unbounded}</pbcoreRelation>
<pbcoreCoverage>{0,unbounded}</pbcoreCoverage>
<pbcoreAudienceLevel>{0,unbounded}</pbcoreAudienceLevel>
<pbcoreAudienceRating>{0,unbounded}</pbcoreAudienceRating>
<pbcoreCreator>{0,unbounded}</pbcoreCreator>
<pbcoreContributor>{0,unbounded}</pbcoreContributor>
<pbcorePublisher>{0,unbounded}</pbcorePublisher>
<pbcoreRightsSummary>{0,unbounded}</pbcoreRightsSummary>
<pbcoreInstantiation>{0,unbounded}</pbcoreInstantiation>
<pbcoreAnnotation annotationType="">{0,unbounded}</pbcoreAnnotation>
<pbcorePart annotation="" relationID="" relationType="">{0,unbounded}</pbcorePart>
<pbcoreExtension>{0,unbounded}</pbcoreExtension>
</pbcorePart>

```

Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	relationID	xsd:string			optional
	This part is then referenced to another part."				
	relationType	xsd:string			optional
	"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes.."				
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcorePart" type="pbcorePartType"> <xsd:annotation> <xsd:documentation/> </xsd:annotation> </xsd:element> </pre>				

Element pbcoreDocumentDescriptionType / pbcoreExtension

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Annotations	
Diagram	<pre> classDiagram class pbcoreExtension class extensionWrap class extensionEmbedded pbcoreExtension "0..1" -- "0..infinity" extensionWrap : extensionWrap "0..infinity" -- "0..1" extensionEmbedded : extensionEmbedded "0..1" -- "0..1" extensionEmbedded : Type embeddedType </pre>
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	extensionWrap* extensionEmbedded{0,1}
Children	extensionEmbedded, extensionWrap
Instance	<pre> <pbcoreExtension> <extensionWrap annotation="">{0,unbounded}</extensionWrap> <extensionEmbedded annotation="">{0,1}</extensionEmbedded> </pbcoreExtension> </pre>
Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreExtension"> <xsd:annotation> <xsd:documentation/> </xsd:annotation> <xsd:complexType> <xsd:choice> <xsd:element maxOccurs="unbounded" minOccurs="0" name="extensionWrap"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="extensionElement" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor extension provides metadata descriptions crafted into metadata dictionaries and schemas outside of the PBCore Metadata Dictionary Project. These communities with specialized, custom terminologies."</ <xsd:documentation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </xsd:choice> </xsd:complexType> </xsd:element> </pre>

```

        </xsd:annotation>
    </xsd:element>
    <xsd:element maxOccurs="1" minOccurs="1" name="extensionValue"
type="xsd:string">
        <xsd:annotation>
            <xsd:documentation xml:lang="en">"The descriptor
extension"</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element maxOccurs="1" minOccurs="1" name="extensionAuthorityUsed"
type="xsd:anyURI">
        <xsd:annotation>
            <xsd:documentation xml:lang="en">"If metadata extensions to PBCore
are assigned to a media item with the descriptor
extension, and
or metadata
metadata
the terms used are derived from a specific authority
scheme, use extensionAuthorityUsed to identify whose
extensions are being used."</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
</xsd:sequence>
<xsd:attribute name="annotation" type="xsd:string"/>
</xsd:complexType>
</xsd:element>
<xsd:element maxOccurs="1" minOccurs="0" name="extensionEmbedded"
type="embeddedType">
    </xsd:element>
    </xsd:choice>
</xsd:complexType>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreExtension / extensionWrap

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Diagram	<p>The diagram illustrates the structure of the extensionWrap element. It is a complex type with four attributes:</p> <ul style="list-style-type: none"> annotation: Type xsd:string extensionElement: Type xsd:string extensionValue: Type xsd:string extensionAuthorityUsed: Type xsd:anyURI <p>Annotations provide additional context: <ul style="list-style-type: none"> The descriptor extension provides metadata descriptions crafted into metadata dictionaries and schemas outside of the... The descriptor extension* If metadata extensions to PBCore are assigned to a media item with the descriptor extension, and the terms used are... </p>										
Properties	<table border="1"> <tbody> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </tbody> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded				
content:	complex										
minOccurs:	0										
maxOccurs:	unbounded										
Model	extensionElement , extensionValue , extensionAuthorityUsed										
Children	extensionAuthorityUsed, extensionElement, extensionValue										
Instance	<pre><extensionWrap annotation=""> <extensionElement>{1,1}</extensionElement> <extensionValue>{1,1}</extensionValue> <extensionAuthorityUsed>{1,1}</extensionAuthorityUsed> </extensionWrap></pre>										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							
Source	<pre><xsd:element maxOccurs="unbounded" minOccurs="0" name="extensionWrap"> <xsd:complexType> <xsd:sequence></pre>										

```

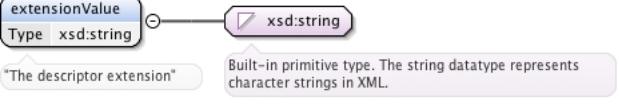
<xsd:element maxOccurs="1" minOccurs="1" name="extensionElement" type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor extension provides
            metadata descriptions crafted into metadata
            dictionaries and
            schemas outside of the PBCore Metadata Dictionary
            Project. These
            communities
            with
            identifying and describing their own types of media
            specialized, custom terminologies."</
    <xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element maxOccurs="1" minOccurs="1" name="extensionValue" type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor
            extension"</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element maxOccurs="1" minOccurs="1" name="extensionAuthorityUsed"
type="xsd:anyURI">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"If metadata extensions to PBCore
            are assigned to a media item with the descriptor
            extension, and
            the terms used are derived from a specific authority
            or metadata
            scheme, use extensionAuthorityUsed to identify whose
            metadata
            extensions are being used."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="annotation" type="xsd:string"/>
</xsd:complexType>
</xsd:element>

```

Element pbcoreDocumentDescriptionType / pbcoreExtension / extensionWrap / extensionElement

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor extension provides metadata descriptions crafted into metadata dictionaries and schemas outside of the PBCore Metadata Dictionary Project. These extensions fulfill the metadata requirements for communities identifying and describing their own types of media with specialized, custom terminologies."						
Diagram	<p>The diagram shows a UML class named "extensionElement" with a multiplicity of 0..1. It has a directed association line pointing to a box labeled "xsd:string". A callout bubble next to the association line contains the text: "The descriptor extension provides metadata descriptions crafted into metadata dictionaries and schemas outside of the..."</p>						
Type	xsd:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xsd:element maxOccurs="1" minOccurs="1" name="extensionElement" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor extension provides metadata descriptions crafted into metadata dictionaries and schemas outside of the PBCore Metadata Dictionary Project. These communities with identifying and describing their own types of media specialized, custom terminologies."</ <xsd:documentation> </xsd:annotation> </xsd:element> </pre>						

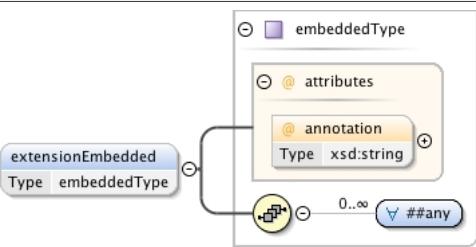
Element pbcoreDocumentDescriptionType / pbcoreExtension / extensionWrap / extensionValue

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"The descriptor extension"						
Diagram	 <p>The diagram illustrates the type definition for extensionValue. It shows a box labeled "extensionValue" with the note "Type xsd:string". A line connects this to another box labeled "xsd:string" with the note "Built-in primitive type. The string datatype represents character strings in XML." Below these, a note states "The descriptor extension".</p>						
Type	xsd:string						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="extensionValue" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor extension"</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element pbcoreDocumentDescriptionType / pbcoreExtension / extensionWrap / extensionAuthorityUsed

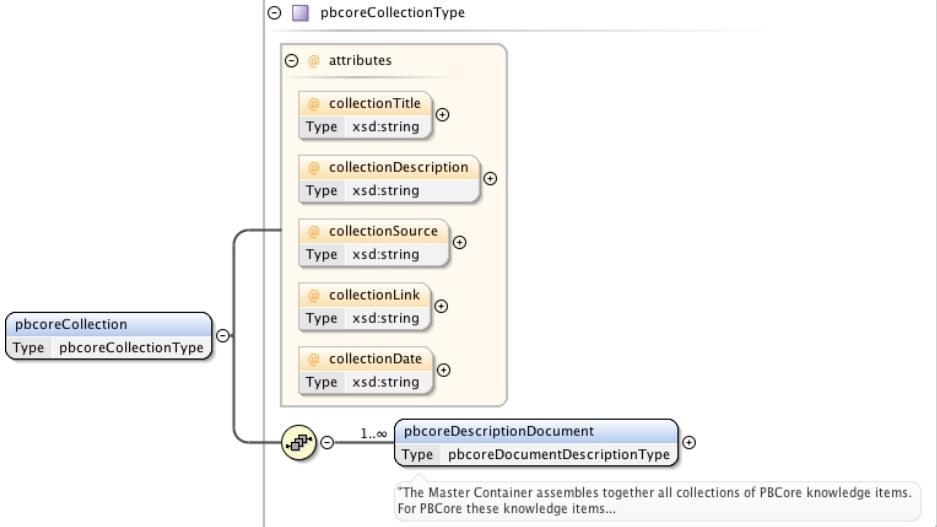
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html						
Annotations	"If metadata extensions to PBCore are assigned to a media item with the descriptor extension, and the terms used are derived from a specific authority or metadata scheme, use extensionAuthorityUsed to identify whose metadata extensions are being used."						
Diagram	 <p>The diagram illustrates the type definition for extensionAuthorityUsed. It shows a box labeled "extensionAuthorityUsed" with the note "Type xsd:anyURI". A line connects this to another box labeled "xsd:anyURI" with the note "Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI)." Below these, a note states "If metadata extensions to PBCore are assigned to a media item with the descriptor extension, and the terms used are...".</p>						
Type	xsd:anyURI						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element maxOccurs="1" minOccurs="1" name="extensionAuthorityUsed" type="xsd:anyURI"> <xsd:annotation> <xsd:documentation xml:lang="en">"If metadata extensions to PBCore are assigned to a media item with the descriptor extension, and the terms used are derived from a specific authority or metadata scheme, use extensionAuthorityUsed to identify whose extensions are being used."</xsd:documentation> </xsd:annotation> </xsd:element></pre>						

Element pbcoreDocumentDescriptionType / pbcoreExtension / extensionEmbedded

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	 <p>The diagram illustrates the type definition for extensionEmbedded. It shows a box labeled "extensionEmbedded" with the note "Type embeddedType". A line connects this to another box labeled "embeddedType". Within the "embeddedType" box, there is a sub-diagram showing "attributes" and "annotation" (Type xsd:string). A multiplicity of "0..∞" is shown next to a box labeled "#any".</p>

Type	embeddedType				
Properties	content: complex minOccurs: 0 maxOccurs: 1				
Model	ANY element from ANY namespace				
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
Source	<pre><xsd:element maxOccurs="1" minOccurs="0" name="extensionEmbedded" type="embeddedType"> </xsd:element></pre>				

Element pbcoreCollection

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Diagram	 <p>The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items...</p>				
Type	pbcoreCollectionType				
Properties	content: complex				
Model	pbcoreDescriptionDocument+				
Children	pbcoreDescriptionDocument				
Instance	<pre><pbcoreCollection collectionDate="" collectionDescription="" collectionLink="" collectionSource="" collectionTitle=""> <pbcoreDescriptionDocument>{1,unbounded}</pbcoreDescriptionDocument> </pbcoreCollection></pre>				
Attributes	QName	Type	Fixed	Default	Use
	collectionDate	xsd:string			optional
	collectionDescription	xsd:string			optional
	collectionLink	xsd:string			optional
	collectionSource	xsd:string			optional
	collectionTitle	xsd:string			optional
Source	<pre><xsd:element name="pbcoreCollection" type="pbcoreCollectionType" /></pre>				

Element pbcoreCollectionType / pbcoreDescriptionDocument

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Annotations	<p>"The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items are metadata descriptions of media. The MasterContainer is expressed as a document that hierarchically structures all the knowledge items and metadata terms and values related to a single data record associated with a media item. In our XML Schema Definition, the MasterContainer is referred to as the 'PBCoreDescriptionDocument'."</p>				

Diagram	<pre> classDiagram pbcoreDocumentDescriptionType < -- pbcoreDescriptionDocument pbcoreDocumentDescriptionType < -- pbcoreAssetType pbcoreDocumentDescriptionType < -- pbcoreIdentifier pbcoreDocumentDescriptionType < -- pbcoreTitle pbcoreDocumentDescriptionType < -- pbcoreSubject pbcoreDocumentDescriptionType < -- pbcoreDescription pbcoreDocumentDescriptionType < -- pbcoreGenre pbcoreDocumentDescriptionType < -- pbcoreRelation pbcoreDocumentDescriptionType < -- pbcoreCoverage pbcoreDocumentDescriptionType < -- pbcoreAudienceLevel pbcoreDocumentDescriptionType < -- pbcoreAudienceRating pbcoreDocumentDescriptionType < -- pbcoreCreator pbcoreDocumentDescriptionType < -- pbcoreContributor pbcoreDocumentDescriptionType < -- pbcorePublisher pbcoreDocumentDescriptionType < -- pbcoreRightsSummary pbcoreDocumentDescriptionType < -- pbcoreInstantiation pbcoreDocumentDescriptionType < -- pbcoreAnnotation pbcoreDocumentDescriptionType < -- pbcorePart pbcoreDocumentDescriptionType < -- pbcoreExtension </pre> <p>The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items...</p> <p>The Rights for all Instantiations or General Rights.</p> <p>Instantiations</p> <p>The descriptor annotation is an element where you can catalog any supplementary information about the metadata used to...</p>						
Type	pbcoreDocumentDescriptionType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pbcoreAssetType*, pbcoreIdentifier+, pbcoreTitle+, pbcoreSubject*, pbcoreDescription+, pbcoreGenre*, pbcoreRelation*, pbcoreCoverage*, pbcoreAudienceLevel*, pbcoreAudienceRating*, pbcoreCreator*, pbcoreContributor*, pbcorePublisher*, pbcoreRightsSummary*, pbcoreInstantiation*, pbcoreAnnotation*, pbcorePart*, pbcoreExtension*						
Children	pbcoreAnnotation, pbcoreAssetType, pbcoreAudienceLevel, pbcoreAudienceRating, pbcoreContributor, pbcoreCoverage, pbcoreCreator, pbcoreDescription, pbcoreExtension, pbcoreGenre, pbcoreIdentifier, pbcoreInstantiation, pbcorePart, pbcorePublisher, pbcoreRelation, pbcoreRightsSummary, pbcoreSubject, pbcoreTitle						
Instance	<pre> <pbcoreDescriptionDocument> <pbcoreAssetType>{0,unbounded}</pbcoreAssetType> <pbcoreIdentifier>{1,unbounded}</pbcoreIdentifier> <pbcoreTitle>{1,unbounded}</pbcoreTitle> <pbcoreSubject>{0,unbounded}</pbcoreSubject> <pbcoreDescription>{1,unbounded}</pbcoreDescription> <pbcoreGenre>{0,unbounded}</pbcoreGenre> <pbcoreRelation>{0,unbounded}</pbcoreRelation> <pbcoreCoverage>{0,unbounded}</pbcoreCoverage> <pbcoreAudienceLevel>{0,unbounded}</pbcoreAudienceLevel> <pbcoreAudienceRating>{0,unbounded}</pbcoreAudienceRating> <pbcoreCreator>{0,unbounded}</pbcoreCreator> <pbcoreContributor>{0,unbounded}</pbcoreContributor> <pbcorePublisher>{0,unbounded}</pbcorePublisher> <pbcoreRightsSummary>{0,unbounded}</pbcoreRightsSummary> <pbcoreInstantiation>{0,unbounded}</pbcoreInstantiation> <pbcoreAnnotation annotationType="">{0,unbounded}</pbcoreAnnotation> <pbcorePart annotation="" relationID="" relationType="">{0,unbounded}</pbcorePart> <pbcoreExtension>{0,unbounded}</pbcoreExtension> </pbcoreDescriptionDocument> </pre>						

Source	<pre> <xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreDescriptionDocument" type="pbcoreDocumentDescriptionType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items are metadata descriptions of media. The MasterContainer is expressed as a document that hierarchically structures all the knowledge items and metadata terms and values related to a single data record associated with a media item. In our XML Schema Definition, the MasterContainer is referred to as the 'PBCoreDescriptionDocument.' "</xsd:documentation> </xsd:annotation> </xsd:element> </pre>
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Complex Types

Complex Type pbcoreDocumentDescriptionType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Diagram	<p>The diagram illustrates the structure of the pbcoreDocumentDescriptionType complex type. It is a container for multiple child elements, each with a multiplicity from 0..infinity. The children are:</p> <ul style="list-style-type: none"> pbcoreAssetType (multiplicity 0..infinity) pbcoreIdentifier (multiplicity 1..infinity) pbcoreTitle (multiplicity 1..infinity) pbcoreSubject (multiplicity 0..infinity) pbcoreDescription (multiplicity 1..infinity) pbcoreGenre (multiplicity 0..infinity) pbcoreRelation (multiplicity 0..infinity) pbcoreCoverage (multiplicity 0..infinity) pbcoreAudienceLevel (multiplicity 0..infinity) pbcoreAudienceRating (multiplicity 0..infinity) pbcoreCreator (multiplicity 0..infinity) pbcoreContributor (multiplicity 0..infinity) pbcorePublisher (multiplicity 0..infinity) pbcoreRightsSummary (multiplicity 0..infinity) <ul style="list-style-type: none"> Type: rightsSummaryType Description: "The Rights for all Instantiations or General Rights." pbcoreInstantiation (multiplicity 0..infinity) <ul style="list-style-type: none"> Type: instantiationType Description: "Instantiations" pbcoreAnnotation (multiplicity 0..infinity) <ul style="list-style-type: none"> Type: annotationStringType Description: "The descriptor annotation is an element where you can catalog any supplementary information about the metadata used to..." pbcorePart (multiplicity 0..infinity) <ul style="list-style-type: none"> Type: pbcorePartType pbcoreExtension (multiplicity 0..infinity) 				
Used by	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Elements</td> <td>pbcoreCollectionType/pbcoreDescriptionDocument, pbcoreDocumentDescription</td> </tr> <tr> <td>Complex Type</td> <td>pbcorePartType</td> </tr> </table>	Elements	pbcoreCollectionType/pbcoreDescriptionDocument, pbcoreDocumentDescription	Complex Type	pbcorePartType
Elements	pbcoreCollectionType/pbcoreDescriptionDocument, pbcoreDocumentDescription				
Complex Type	pbcorePartType				
Model	pbcoreAssetType*, pbcoreIdentifier+, pbcoreTitle+, pbcoreSubject*, pbcoreDescription+, pbcoreGenre*, pbcoreRelation*, pbcoreCoverage*, pbcoreAudienceLevel*, pbcoreAudienceRating*, pbcoreCreator*, pbcoreContributor*, pbcorePublisher*, pbcoreRightsSummary*, pbcoreInstantiation*, pbcoreAnnotation*, pbcorePart*, pbcoreExtension*				
Children	pbcoreAnnotation, pbcoreAssetType, pbcoreAudienceLevel, pbcoreAudienceRating, pbcoreContributor, pbcoreCoverage, pbcoreCreator, pbcoreDescription, pbcoreExtension, pbcoreGenre, pbcoreIdentifier, pbcoreInstantiation, pbcorePart, pbcorePublisher, pbcoreRelation, pbcoreRightsSummary, pbcoreSubject, pbcoreTitle				

Source	<pre> <xsd:complexType name="pbcoreDocumentDescriptionType"> <xsd:sequence> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAssetType"> <xsd:complexType> <xsd:sequence> <!-- the pbcore asset type - this element may occur only once --> <xsd:element maxOccurs="1" minOccurs="1" name="assetType" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor assetKind indicates the broad editorial format of the asset's contents. AssetType describes the PBCore record as a whole and at its highest level. Though a record may contain many instantiations of different formats and generations, for example, assetType may be used to indicate that they all represent a "program" or a "clip." In FRBR language, assetType would be used to describe an asset at the "work" level. (Whereas "formatMediaType" would describe the "item" level.) This element is largely based on the EBUCore element ObjectType: http://www.ebu.ch/metadata/cs/ebu_ObjectTypeCodeCS.xml"/> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <!-- the pbcore identifier - this element may occur as many times as desired, however if it does occur, then a identifier tag must appear internally (once). optionally, a identifierSource tag may appear -- > <xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreIdentifier"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="identifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifier is used to reference or identify the entire record of metadata descriptions for a media item and exists at the top level for a PBCore description and its associated description document (XML). Best practice is to identify the media item (whether analog or digital) by means of an unambiguous string or number corresponding to an established or formal identification system if one exists. Otherwise, use an identification method that is in use within your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="1" name="identifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor identifierSource is used in combination with the unambiguous reference or identifier for a media item found in the descriptor identifier. Thus PBCore provides not only a locator number, but also an agency or institution who assigned it. Both exist at the top level for a PBCore description and its associated description document (XML)."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </xsd:sequence> </pre>
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        </xsd:complexType>
    </xsd:element>
<!-- the pbcore title - this element may occur as many times as
desired, however if it does occur, then a title tag must appear
internally (once). optionally, a titleType tag may appear --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreTitle"&gt;
    &lt;xsd:complexType&gt;
        &lt;xsd:sequence&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="1" name="title" type="xsd:string"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"The descriptor title is a name given to
the media item you are cataloging. It is the unique name
everyone should
use to refer to or search for a particular media item. There
are
obviously many types of titles a media item may have, such as a
series
title, episode title, segment title, or project title. Use the
descriptor
titleType to indicate the type of title you are assigning to
the media
item."&lt;/xsd:documentation&gt;
            &lt;/xsd:annotation&gt;
        &lt;/xsd:element&gt;
        &lt;xsd:element maxOccurs="1" minOccurs="0" name="titleType"
type="sourceVersionStringType"&gt;
            &lt;xsd:annotation&gt;
                &lt;xsd:documentation xml:lang="en"&gt;"The descriptor titleType is a companion
metadata field associated with the descriptor title. For a
title you give
to a media item, you may wish to inform end users what type of
title it
is (see the picklist of recommended vocabulary
terms)."&lt;/xsd:documentation&gt;
            &lt;xsd:documentation xml:lang="en"&gt;"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_titleType.html"&lt;/xsd:documentation&gt;
            &lt;/xsd:annotation&gt;
        &lt;/xsd:element&gt;
        &lt;/xsd:sequence&gt;
    &lt;/xsd:complexType&gt;
&lt;/xsd:element&gt;
<!-- the pbcore subject - this element may occur as many times as
desired, however if it does occur, then a subject tag must
appear (once). optionally, a subjectAuthorityUsed tag may
appear --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreSubject"&gt;
    &lt;xsd:complexType&gt;
        &lt;xsd:sequence&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="0" name="subject"
type="subjectStringType"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"The descriptor subject is used to assign
topical headings or keywords that portray the intellectual
content of the
media item you are cataloging. Typically, a subject is
expressed by a
limited number of keywords, key phrases, or even specific
classification
codes. Controlled vocabularies, authorities, or formal
classification
schemes may be employed when assigning descriptive subject
terms (rather
than using random or ad hoc terminology)."&lt;/xsd:documentation&gt;
                &lt;xsd:documentation xml:lang="en"&gt;"Use reference at
http://www.pbcore.org/PBCore/subject.html"&lt;/xsd:documentation&gt;
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="0" name="subjectAuthorityUsed"
type="sourceVersionStringType"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"If subjects are assigned to a media item
using the descriptor subject and the terms used are derived
from a
specific authority or classification scheme, use
subjectAuthorityUsed to
identify whose vocabularies and terms were used."&lt;/
xsd:documentation&gt;
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
        &lt;/xsd:sequence&gt;
    &lt;/xsd:complexType&gt;
&lt;/xsd:element&gt;
</pre>

```

```

<!-- the pbcore description - this element may occur as many times
     as desired, however if it does occur, then a description tag is
     required.  optionally, the description type may appear - but
     it has a limited vocabulary -->
<xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreDescription">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element maxOccurs="1" minOccurs="1" name="description"
type="descriptionStringType">
                <xsd:annotation>
                    <xsd:documentation xml:lang="en">"The metadata element description uses
                        free-form text or a narrative to report general notes,
abstracts, or
                        summaries about the intellectual content of a media item you
are
                        cataloguing. The information may be in the form of a paragraph
giving an
                        individual program description, anecdotal interpretations, or
brief
                        content reviews. The description may also consist of outlines,
lists,
                        bullet points, rundowns, edit decision lists, indexes, or
tables of
                        content."</xsd:documentation>
                </xsd:annotation>
            </xsd:element>
            <xsd:element maxOccurs="1" minOccurs="0" name="descriptionType"
type="sourceVersionStringType">
                <xsd:annotation>
                    <xsd:documentation xml:lang="en">"The descriptor descriptionType is a
                        companion metadata field to the element description. The
purpose of
                        descriptionType is to identify the nature of the actual
description and
                        flag the form of presentation for the information."</
xsd:documentation>
                <xsd:documentation xml:lang="en">"Picklist at
                    http://www.pbcore.org/PBCore/picklists/
picklist_descriptionType.html"</xsd:documentation>
                </xsd:annotation>
            </xsd:element>
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<!-- the pbcore genre - this element may occur as many times as
     desired, however if it does occur, then the genre tag inside is
     required.  that genre tag has a controlled vocabulary. -->
<xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreGenre">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element maxOccurs="1" minOccurs="0" name="genre"
type="sourceVersionStringType">
                <xsd:annotation>
                    <xsd:documentation xml:lang="en">"The descriptor genre describes the manner
                        in which the intellectual content of a media item is presented,
viewed or
                        heard by a user. It indicates the structure of the
presentation, as well
                        as the topical nature of the content in a generalized
form."</xsd:documentation>
                <xsd:documentation xml:lang="en">"Picklist at
                    http://www.pbcore.org/PBCore/picklists/picklist_genre.html"</
xsd:documentation>
                </xsd:annotation>
            </xsd:element>
            <xsd:element maxOccurs="1" minOccurs="0" name="genreAuthorityUsed"
type="sourceVersionStringType">
                <xsd:annotation>
                    <xsd:documentation xml:lang="en">"If genre keywords are assigned to a media
                        item using the descriptor genre and the terms used are derived
from a
                        specific authority or classification scheme, use
genreAuthorityUsed to
                        identify whose vocabularies and terms were used. PBCore
supplies its own
                        picklist of terms, but others may be employed as long as the
authority
                        for a picklist is identified."</xsd:documentation>
                <xsd:documentation xml:lang="en">When genreAuthorityUsed is not used, the
                    default is understood to be PBCore Genre List.</
xsd:documentation>
                </xsd:annotation>
            </xsd:element>

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        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<!-- the pbcore relation - this element may occur as many times as
desired. if it does occur, the relationIdentifier must appear,
also the relationType must also appear --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreRelation"&gt;
    &lt;xsd:complexType&gt;
        &lt;xsd:sequence&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="0" name="relationType"
type="sourceVersionStringType"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"The descriptor relationType identifies the
type of intellectual content bond between a media item you are
cataloging
                        and some other related media item."&lt;/xsd:documentation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"Picklist at
                        http://www.pbcore.org/PBCore/picklists/
picklist_relationType.html"&lt;/xsd:documentation&gt;
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="0" name="relationIdentifier"
type="sourceVersionStringType"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"Once the type of relationship between two
media items is identified by using the descriptor relationType,
then this
                        companion descriptor relationIdentifier is used to provide a
name,
                        locator, accession, identification number or ID where the
related item
                        can be obtained or found. The cross reference uses a unique
identifier."&lt;/xsd:documentation&gt;
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
        &lt;/xsd:sequence&gt;
    &lt;/xsd:complexType&gt;
&lt;/xsd:element&gt;
<!-- the pbcore coverage - this element may occur as many times as
desired, and within it a Spatial or a Temporal coverageType --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreCoverage"&gt;
    &lt;xsd:complexType&gt;
        &lt;xsd:sequence&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="1" name="coverage" type="xsd:string"&gt;
                &lt;xsd:annotation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"The descriptor coverage uses keywords to
identify a span of space or time that is expressed by the
intellectual
                        content of a media item. Coverage in intellectual content may
be
                        expressed spatially by geographic location. Actual place names
may be
                        used. Numeric coordinates and geo-spatial data are also
allowable, if
                        useful or supplied. Coverage in intellectual content may also
be
                        expressed temporally by a date, period, era, or time-based
event. The
                        PBCore metadata element coverage houses the actual spatial or
temporal
                        keywords. The companion descriptor coverageType is used to
identify the
                        type of keywords that are being used."&lt;/xsd:documentation&gt;
                    &lt;xsd:documentation xml:lang="en"&gt;"Use reference at
                        http://www.pbcore.org/PBCore/coverage.html"&lt;/xsd:documentation&gt;
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
            &lt;xsd:element maxOccurs="1" minOccurs="1" name="coverageType"&gt;
                &lt;xsd:complexType&gt;
                    &lt;xsd:annotation&gt;
                        &lt;xsd:documentation xml:lang="en"&gt;"Whereas the PBCore metadata element
coverage uses keywords and descriptors to identify a span of
space or
                        time that is expressed by the intellectual content of a
media item,
                        coverageType is used to identify the actual type of keywords
that are
                        being used. Coverage in intellectual content may be
expressed
                        spatially by geographic location. Coverage in intellectual
content may
                        also be expressed temporally by a date, period, era, or
time-based
                &lt;/xsd:annotation&gt;
            &lt;/xsd:element&gt;
        &lt;/xsd:sequence&gt;
    &lt;/xsd:complexType&gt;
&lt;/xsd:element&gt;
</pre>

```

```

namely event. coverageType provides a picklist of coverage types,
          *spatial* or *temporal*. </xsd:documentation>
</xsd:annotation>
<xsd:simpleContent>
  <!-- COME BACK TO THIS -->
  <xsd:restriction base="sourceVersionStringType">
    <xsd:enumeration value="Spatial"/>
    <xsd:enumeration value="Temporal"/>
  </xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
</xsd:element>
<!-- the pbcore audienceLevel - this may occur as many times as desired
     within the document -->
<xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAudienceLevel">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element maxOccurs="1" minOccurs="0" name="audienceLevel"
type="sourceVersionStringType">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">"The descriptor audienceLevel identifies a
                           type of audience, viewer, or listener for whom the media item
you are cataloging is primarily designed or educationally
useful."</xsd:documentation>
          <xsd:documentation xml:lang="en">"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_audienceLevel.html"</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<!-- the pbcore audienceRating - this may occur as many times as desired
     within the document -->
<xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAudienceRating">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element maxOccurs="1" minOccurs="0" name="audienceRating"
type="sourceVersionStringType">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">"The descriptor audienceRating designates
                           the type of users for whom a media item is intended or judged
appropriate
                           in terms of its intellectual content. Standard ratings have
been crafted
                           by the broadcast television and film industries and are used as
flags for
                           audience or age-appropriate materials."</xsd:documentation>
          <xsd:documentation xml:lang="en">"Picklist at
http://www.pbcore.org/PBCore/picklists/
picklist_audienceRating.html"</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<!-- the pbcore creator - again, may appear as many times as
     necessary, and the creator tag is necessary inside. the
     creatorRole tag is optional. -->
<xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreCreator">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element maxOccurs="1" minOccurs="1" name="creator"
type="affiliatedStringType">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">"The descriptor creator identifies a person
                           or organization primarily responsible for creating a media
item. The
                           creator may be considered an author and could be one or more
people, a
                           business, organization, group, project or service."</
xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element maxOccurs="unbounded" minOccurs="1" name="creatorRole"
type="sourceVersionStringType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">"Use the descriptor creatorRole to identify

```

companion single creation of digital roles, such video are	the role played by the person or group identified in the descriptor creator. Unlike print resources, there is usually no role, like an author, who has primary responsibility for the media items such as audio, video, film assets, and their renditions. For these media, creators can fill many different roles, such as the instructor for a video course, the interviewee from a history program, or the director of a program or film (if they are identified as the primary creator for a media item)."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_creatorRole.html "</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <!-- the pbcore contributor - this element may appear as many times as necessary, but when it does appear, the contributor tag must appear inside it. the contributor role is optional. --> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreContributor"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="contributor" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor contributor identifies a person or organization that has made substantial creative contributions to the intellectual content within a media item. This contribution is considered to be secondary to the primary author(s) (person or organization) identified in the descriptor creator."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="unbounded" minOccurs="1" name="contributorRole" type="contributorStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor contributorRole to identify the role played by the person or group identified in the companion descriptor contributor."</xsd:documentation> <xsd:documentation xml:lang="en">"Picklist at http://www.pbcore.org/PBCore/picklists/picklist_contributorRole.html "</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <!-- the pbcore publisher - this follows the same guidelines as the contributor and the creator. this may exist as many times as we wish, but inside it there must be a publisher tag. a publisherRole tag is optional. --> <xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcorePublisher"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="publisher" type="affiliatedStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor publisher identifies a person or organization primarily responsible for distributing or making a media item available to others. The publisher may be a person, a business, organization, group, project or service."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="unbounded" minOccurs="1" name="publisherRole" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor publisherRole to identify the role played by the specific publisher or publishing entity
--	--

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identified in the companion descriptor publisher."</
xsd:documentation>
    <xsd:documentation xml:lang="en">"Picklist at
        http://www.pbcore.org/PBCore/picklists/
picklist_publisherRole.html"</xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<!-- the pbcore rights - this may appear as many times as we want,
but everytime it does appear, the rightsSummary tag must appear
inside of it --&gt;
&lt;xsd:element name="pbcoreRightsSummary" type="rightsSummaryType" maxOccurs="unbounded"
minOccurs="0"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The Rights for all Instantiations or General
            Rights."&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- the pbcore instantiation - this contains all the details on how
the asset is actualized --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreInstantiation"
type="instantiationType"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"Instantiations"&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- PBCore Annotation --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreAnnotation"
type="annotationStringType"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor annotation is an element where
you
            can catalog any supplementary information about the metadata used to
describe the
            PBCore record. annotation clarifies element values, terms, descriptors,
and
            vocabularies that may not be otherwise sufficiently
understood."&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- PBCore Part --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcorePart"
type="pbcorePartType"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation/&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- PBCore Extension --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="pbcoreExtension"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation/&gt;
    &lt;/xsd:annotation&gt;
    &lt;xsd:complexType&gt;
        &lt;xsd:choice&gt;
            &lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="extensionWrap"&gt;
                &lt;xsd:complexType&gt;
                    &lt;xsd:sequence&gt;
                        &lt;xsd:element maxOccurs="1" minOccurs="1" name="extensionElement"
type="xsd:string"&gt;
                            &lt;xsd:annotation&gt;
                                &lt;xsd:documentation xml:lang="en"&gt;"The descriptor extension provides
                                    metadata descriptions crafted into metadata
dictionaries and
                                    schemas outside of the PBCore Metadata Dictionary
Project. These
                                    extensions fulfill the metadata requirements for
communities
                                    identifying and describing their own types of media
with
                                    specialized, custom terminologies."&lt;/
xsd:documentation&gt;
                            &lt;/xsd:annotation&gt;
                        &lt;/xsd:element&gt;
                    &lt;/xsd:sequence&gt;
                &lt;/xsd:complexType&gt;
            &lt;/xsd:element&gt;
        &lt;/xsd:choice&gt;
    &lt;/xsd:complexType&gt;
&lt;/xsd:element&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor
            extension"&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
</pre>

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<xsd:element maxOccurs="1" minOccurs="1" name="extensionAuthorityUsed"
type="xsd:anyURI">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"If metadata extensions to PBCore
            are assigned to a media item with the descriptor
            extension, and
                the terms used are derived from a specific authority
            or metadata
                scheme, use extensionAuthorityUsed to identify whose
            metadata
                extensions are being used."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="annotation" type="xsd:string"/>
</xsd:complexType>
</xsd:element>
<xsd:element maxOccurs="1" minOccurs="0" name="extensionEmbedded"
type="embeddedType">
    <xsd:element>
        </xsd:choice>
    </xsd:complexType>
</xsd:element>
<!-- For Readability - documentDescription sequence end -->
</xsd:sequence>
<!-- For Readability - documentDescription complexType end -->
</xsd:complexType>

```

Complex Type sourceVersionStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																								
Diagram	<pre> classDiagram class sourceVersionStringType { <<Base Type xsd:string>> @ sourceVersionGroup } xsd:string "Built-in primitive type. The string datatype represents character strings in XML." sourceVersionStringType < -- xsd:string </pre>																								
Type	extension of xsd:string																								
Used by	Elements <ul style="list-style-type: none"> essenceTrackType/essenceTrackAspectRatio, essenceTrackType/essenceTrackBitDepth, essenceTrackType/essenceTrackFrameRate, essenceTrackType/essenceTrackFrameSize, essenceTrackType/essenceTrackSamplingRate, essenceTrackType/essenceTrackStandard, instantiationType/formatColors, instantiationType/formatDigital, instantiationType/formatGenerations, instantiationType/formatMediaType, instantiationType/formatPhysical, instantiationType/instantiationID/instantiationIdentifierSource, pbcoreDocumentDescriptionType/pbcoreAssetType/assetType, pbcoreDocumentDescriptionType/pbcoreAudienceLevel/audienceLevel, pbcoreDocumentDescriptionType/pbcoreAudienceRating/audienceRating, pbcoreDocumentDescriptionType/pbcoreCoverage/coverageType, pbcoreDocumentDescriptionType/pbcoreCreator/creatorRole, pbcoreDocumentDescriptionType/pbcoreDescription/descriptionType, pbcoreDocumentDescriptionType/pbcoreGenre/genre, pbcoreDocumentDescriptionType/pbcoreGenre/genreAuthorityUsed, pbcoreDocumentDescriptionType/pbcoreIdentifier/identifierSource, pbcoreDocumentDescriptionType/pbcoreIdentifier/identifierSource, pbcoreDocumentDescriptionType/pbcorePublisher/publisherRole, pbcoreDocumentDescriptionType/pbcoreRelation/relationIdentifier, pbcoreDocumentDescriptionType/pbcoreRelation/relationType, pbcoreDocumentDescriptionType/pbcoreSubject/subjectAuthorityUsed, pbcoreDocumentDescriptionType/pbcoreTitle/titleType, rightsSummaryType/rightsSummary 																								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																					
annotation	xsd:string			optional																					
source	xsd:string			optional																					
version	xsd:string			optional																					
Source	<pre> <xsd:complexType name="sourceVersionStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attributeGroup ref="sourceVersionGroup"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>																								

Complex Type dateStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html														
Diagram	<pre> graph LR xsdString[xsd:string] --> dateStringType[dateStringType] dateStringType -- "Base Type" --> xsdString dateStringType --> attributes[attributes] attributes --> subjectType[subjectType] attributes --> source[source] attributes --> version[version] attributes --> annotation[annotation] </pre>														
Type	extension of xsd:string														
Used by	Element pbcoreDocumentDescriptionType/pbcoreAssetType/date														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>dateTime</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	dateTime				optional
QName	Type	Fixed	Default	Use											
dateTime				optional											
Source	<pre> <xsd:complexType name="dateStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="dateTime"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>														

Complex Type subjectStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																													
Diagram	<pre> graph LR xsdString[xsd:string] --> subjectStringType[subjectStringType] subjectStringType -- "Base Type" --> xsdString subjectStringType --> attributes[attributes] attributes --> subjectType[subjectType] attributes --> source[source] attributes --> version[version] attributes --> annotation[annotation] </pre>																													
Type	extension of xsd:string																													
Used by	Element pbcoreDocumentDescriptionType/pbcoreSubject/subject																													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>subjectType</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	subjectType	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																										
annotation	xsd:string			optional																										
source	xsd:string			optional																										
subjectType	xsd:string			optional																										
version	xsd:string			optional																										
Source	<pre> <xsd:complexType name="subjectStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="subjectType" type="xsd:string"/> <xsd:attribute name="source" type="xsd:string"/> <xsd:attribute name="version" type="xsd:string"/> <xsd:attribute name="annotation" type="xsd:string"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>																													

Complex Type descriptionStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
-----------	---

Diagram	<pre> classDiagram class descriptionStringType { <<extension base="xsd:string">> attribute startTime attribute endTime attribute segmentType attribute annotation } </pre>																									
Type	extension of xsd:string																									
Used by	Element pbcoreDocumentDescriptionType/pbcoreDescription/description																									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>endTime</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>segmentType</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>startTime</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	endTime	xsd:string			optional	segmentType	xsd:string			optional	startTime	xsd:string			optional
QName	Type	Fixed	Default	Use																						
annotation	xsd:string			optional																						
endTime	xsd:string			optional																						
segmentType	xsd:string			optional																						
startTime	xsd:string			optional																						
Source	<pre> <xsd:complexType name="descriptionStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="startTime" type="xsd:string"/> <xsd:attribute name="endTime" type="xsd:string"/> <xsd:attribute name="segmentType" type="xsd:string"/> <xsd:attribute name="annotation" type="xsd:string"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>																									

Complex Type affiliatedStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Diagram	<pre> classDiagram class affiliatedStringType { <<extension base="xsd:string">> attribute affiliation attribute linkedID attribute annotation } </pre>																				
Type	extension of xsd:string																				
Used by	Elements pbcoreDocumentDescriptionType/pbcoreContributor/contributor, pbcoreDocumentDescriptionType/pbcoreCreator/creator, pbcoreDocumentDescriptionType/pbcorePublisher/publisher																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>affiliation</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>annotation</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>linkedID</td><td></td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	affiliation				optional	annotation				optional	linkedID				optional
QName	Type	Fixed	Default	Use																	
affiliation				optional																	
annotation				optional																	
linkedID				optional																	
Source	<pre> <xsd:complexType name="affiliatedStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="affiliation"/> <xsd:attribute name="linkedID"/> <xsd:attribute name="annotation"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>																				

```
    </xsd:simpleContent>
</xsd:complexType>
```

Complex Type contributorStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Diagram	<p>The diagram shows the UML representation of the <code>contributorStringType</code>. It is a class that extends the built-in type <code>xsd:string</code>. It contains two attributes: <code>@portrayal</code> of type <code>xsd:string</code> and a reference to a <code>sourceVersionGroup</code>.</p>				
Type	extension of <code>xsd:string</code>				
Used by	Element <code>pbcoreDocumentDescriptionType/pbcoreContributor/contributorRole</code>				
Attributes	QName	Type	Fixed	Default	Use
	annotation	<code>xsd:string</code>			optional
	portrayal	<code>xsd:string</code>			optional
	source	<code>xsd:string</code>			optional
	version	<code>xsd:string</code>			optional
Source	<pre><xsd:complexType name="contributorStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="portrayal" type="xsd:string"/> <xsd:attributeGroup ref="sourceVersionGroup"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType></pre>				

Complex Type rightsSummaryType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Diagram	<p>The diagram shows the UML representation of the <code>rightsSummaryType</code>. It is a choice element that can contain one of three types: <code>rightsSummary</code> (of type <code>sourceVersionStringType</code>), <code>rightsLink</code> (of type <code>rightsLinkType</code>), or <code>rightsEmbedded</code> (of type <code>embeddedType</code>). A note indicates that <code>rightsSummary</code> is an all-purpose container for copyright information.</p>				
Used by	Elements <code>instantiationType/instantiationRights</code> , <code>pbcoreDocumentDescriptionType/pbcoreRightsSummary</code>				
Model	<code>rightsSummary{0,1} rightsLink{0,1} rightsEmbedded{0,1}</code>				
Children	rightsEmbedded, rightsLink, rightsSummary				
Source	<pre><xsd:complexType name="rightsSummaryType"> <xsd:choice> <xsd:element maxOccurs="1" minOccurs="0" name="rightsSummary" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor rightsSummary as an all- purpose rights held some way. include container field to identify information about copyrights and property in and over a media item, whether they are open access or restricted in If dates, times and availability periods are associated with a right, </xsd:documentation> </xsd:element> </xsd:choice> </xsd:complexType></pre>				

```

them. End user permissions, constraints and obligations may also be
identified, as
needed."</xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element maxOccurs="1" minOccurs="0" name="rightsLink" type="rightsLinkType">
<xsd:annotation>
<xsd:documentation>A URI pointing to a declaration of rights</xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="rightsEmbedded" type="embeddedType" maxOccurs="1" minOccurs="0"/>
</xsd:choice>
</xsd:complexType>
```

Complex Type rightsLinkType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Diagram	<p>The diagram illustrates the structure of the rightsLinkType complex type. It is shown as an extension of the xsd:anyURI type. The type itself is represented by a purple rounded rectangle labeled "rightsLinkType". An arrow points from this to a larger rounded rectangle labeled "xsd:anyURI", which is described as a "Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI)". Below the main type, there is an "annotation" attribute, indicated by a small orange box with the text "@ annotation" and "Type xsd:string".</p>										
Type	extension of xsd:anyURI										
Used by	Element rightsSummaryType/rightsLink										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							
Source	<pre> <xsd:complexType name="rightsLinkType"> <xsd:simpleContent> <xsd:extension base="xsd:anyURI"> <xsd:attribute name="annotation" type="xsd:string"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType></pre>										

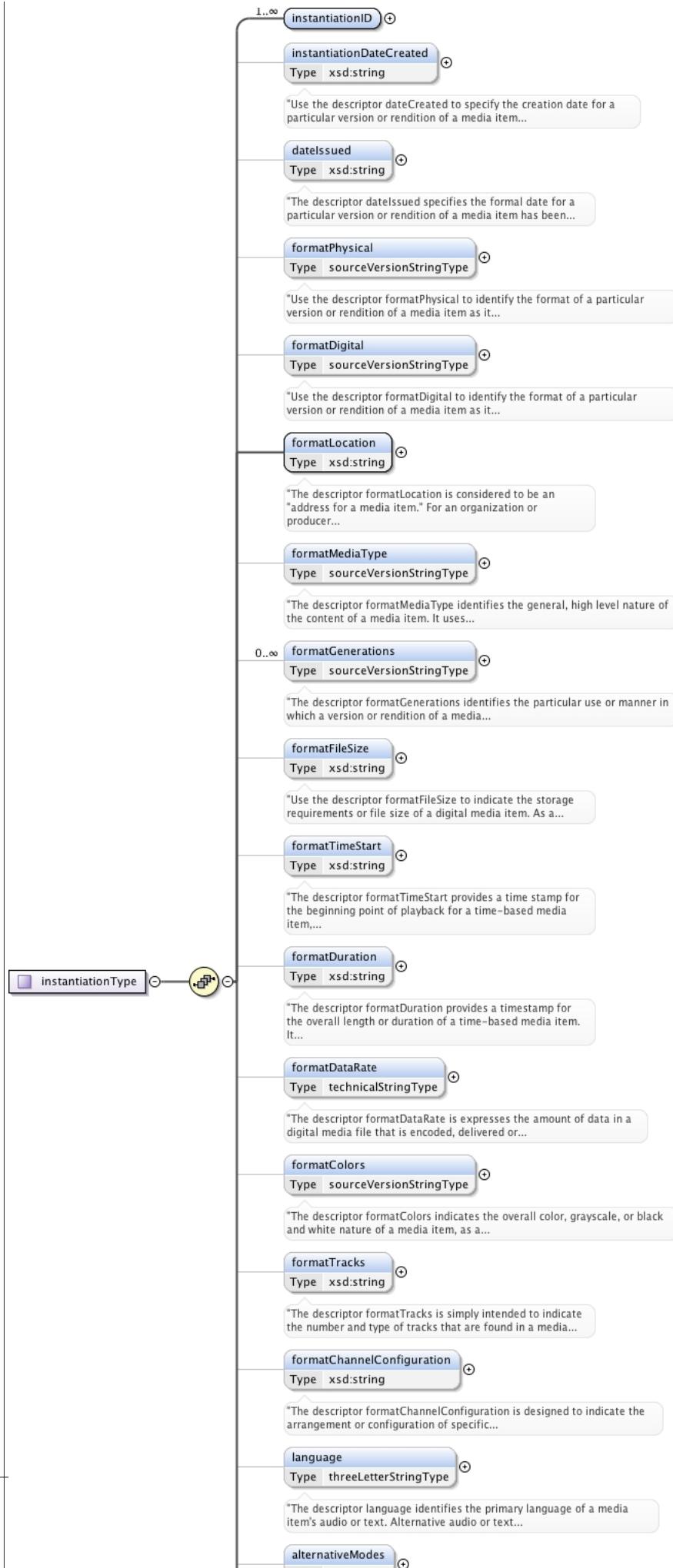
Complex Type embeddedType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html										
Diagram	<p>The diagram shows the embeddedType complex type. It is represented by a purple rounded rectangle labeled "embeddedType". An arrow points from this to a larger rounded rectangle containing an "annotation" attribute, which is described as having a "Type xsd:string". Below the main type, there is a multiplicity indicator "0..∞" followed by a small blue box with the text "#any", indicating that the type can appear zero or more times with any content.</p>										
Used by	Elements pbcoreDocumentDescriptionType/pbcoreExtension/extensionEmbedded, rightsSummaryType/rightsEmbedded										
Model	ANY element from ANY namespace										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>annotation</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional
QName	Type	Fixed	Default	Use							
annotation	xsd:string			optional							
Source	<pre> <xsd:complexType name="embeddedType"> <xsd:sequence> <xsd:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> <xsd:attribute name="annotation" type="xsd:string"/> </xsd:complexType></pre>										

Complex Type instantiationType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram



Used by	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Element</td><td>pbcoreDocumentDescriptionType/pbcoreInstantiation</td></tr> <tr> <td>Complex Type</td><td>instantiationPartType</td></tr> </table>	Element	pbcoreDocumentDescriptionType/pbcoreInstantiation	Complex Type	instantiationPartType
Element	pbcoreDocumentDescriptionType/pbcoreInstantiation				
Complex Type	instantiationPartType				
Model	instantiationID+, instantiationDateCreated{0,1}, dateIssued{0,1}, formatPhysical{0,1}, formatDigital{0,1}, formatLocation, formatMediaType{0,1}, formatGenerations*, formatFileSize{0,1}, formatTimeStart{0,1}, formatDuration{0,1}, formatDataRate{0,1}, formatColors{0,1}, formatTracks{0,1}, formatChannelConfiguration{0,1}, language{0,1}, alternativeModes{0,1}, instantiationEssenceTrack+, instantiationDateAvailable*, instantiationRights*, instantiationAnnotation*, instantiationPart*				
Children	alternativeModes, dateIssued, formatChannelConfiguration, formatColors, formatDataRate, formatDigital, formatDuration, formatFileSize, formatGenerations, formatLocation, formatMediaType, formatPhysical, formatTimeStart, formatTracks, instantiationAnnotation, instantiationDateAvailable, instantiationDateCreated, instantiationEssenceTrack, instantiationID, instantiationPart, instantiationRights, language				
Source	<pre> <xsd:complexType name="instantiationType"> <xsd:sequence> <!-- the pbcore format identifier --> <xsd:element maxOccurs="unbounded" minOccurs="1" name="instantiationID"> <xsd:complexType> <xsd:sequence> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifier employs an unambiguous reference or identifier for a particular rendition/instantiation of a media item. Best practice is to identify the number if one within exists. Otherwise, use an identification method that is in use your agency, station, production company, office, or institution."</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element maxOccurs="1" minOccurs="1" name="instantiationIdentifierSource" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor formatIdentifierSource is used in combination with the unambiguous reference or identifier for a descriptor number, but also indicates an agency or institution who assigned it."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <!-- pbcore date created --> <xsd:element maxOccurs="1" minOccurs="0" name="instantiationDateCreated" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor dateCreated to specify the creation date for a particular version or rendition of a media item across its life cycle. It is the moment in time that the media item was finalized during its production process and is forwarded to other divisions or agencies to make it ready for publication or distribution. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element> <!-- pbcore date issued --> <xsd:element maxOccurs="1" minOccurs="0" name="dateIssued" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor dateIssued specifies the formal date for a particular version or rendition of a media item has been made ready or officially released for distribution, publication or consumption. A specific time may also be associated with the date."</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </pre>				

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        </xsd:element>
        <!-- the pbcore formatPhysical -->
        <xsd:element maxOccurs="1" minOccurs="0" name="formatPhysical"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"Use the descriptor formatPhysical to identify
the
                    format of a particular version or rendition of a media item as it exists
in an
                    actual physical form that occupies physical space (e.g., a tape on a
shelf),
                    rather than as a digital file residing on a server or hard
drive."</xsd:documentation>
                <xsd:documentation xml:lang="en">"Picklist at
                    http://www.pbcore.org/PBCore/picklists/picklist_formatPhysical.html"</
xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore formatDigital-->
        <xsd:element maxOccurs="1" minOccurs="0" name="formatDigital"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"Use the descriptor formatDigital to identify the
                    format of a particular version or rendition of a media item as it exists
in its
                    digital form, i.e., as a digital file on a server or hard drive. Digital
media
                    formats may be expressed with formal Internet MIME types."</
xsd:documentation>
                <xsd:documentation xml:lang="en">"MIME types change often see references at
                    http://www.pbcore.org/PBCore/formatDigital.html"</xsd:documentation>
                <xsd:documentation xml:lang="en">"Picklist may not be up to date at
                    http://www.pbcore.org/PBCore/picklists/picklist_formatDigital.html"</
xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore formatLocation-->
        <xsd:element maxOccurs="1" minOccurs="1" name="formatLocation" type="xsd:string">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor formatLocation is considered to
be
                    an "address for a media item." For an organization or producer acting as
caretaker
                    of a media resource, formatLocation may contain information about a
specific shelf
                    location for an asset, including an organization's name, departmental
name, shelf
                    ID and contact information. The formatLocation for a data file or web
page may
                    include domain, path, filename or html page."</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore formatmediatype -->
        <xsd:element maxOccurs="1" minOccurs="0" name="formatMediaType"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor formatMediaType identifies the
                    general, high level nature of the content of a media item. It uses
categories that
                    show how content is presented to an observer, e.g., as a sound or text
or moving
                    image."</xsd:documentation>
            <xsd:documentation xml:lang="en">"Picklist at
                    http://www.pbcore.org/PBCore/picklists/picklist_formatMediaType.html"</
xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore formatgenerations -->
        <xsd:element maxOccurs="unbounded" minOccurs="0" name="formatGenerations"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor formatGenerations identifies the
                    particular use or manner in which a version or rendition of a media item
is used,
                    e.g., Audio/Narration or Moving image/Backup master."</
xsd:documentation>
            <xsd:documentation xml:lang="en">"Picklist at
                    http://www.pbcore.org/PBCore/picklists/
picklist_formatGenerations.html"</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore formatfilesize -->
        <xsd:element maxOccurs="1" minOccurs="0" name="formatFileSize" type="xsd:string">

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<xsd:annotation>
    <xsd:documentation xml:lang="en">"Use the descriptor formatFileSize to indicate
the
        storage requirements or file size of a digital media item. As a
standard, express
            the file size in bytes."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatTimeStart-->
<xsd:element maxOccurs="1" minOccurs="0" name="formatTimeStart" type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatTimeStart provides a time
stamp for the beginning point of playback for a time-based media item,
such as
            digital video or audio. Use in combination with formatDuration to
identify a
            sequence or segment of a media item that has a fixed start time and end
time."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatDuration-->
<xsd:element maxOccurs="1" minOccurs="0" name="formatDuration" type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatDuration provides a
timestamp
            for the overall length or duration of a time-based media item. It
represents the
            playback time."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatDataRate-->
<xsd:element maxOccurs="1" minOccurs="0" name="formatDataRate"
type="technicalStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatDataRate is expresses the
amount of data in a digital media file that is encoded, delivered or
distributed,
            for every second of time. Although optimal data rates are often
dependent on the
            codec used to compress and encode a digital file, generally speaking, a
larger
            data rate translates into a better quality playback experience, for
example 56
            kilobits/second vs. 1 megabit/second."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatColors -->
<xsd:element maxOccurs="1" minOccurs="0" name="formatColors"
type="sourceVersionStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatColors indicates the
overall
            color, grayscale, or black and white nature of a media item, as a single
occurrence or combination of occurrences in or throughout the media
item."</xsd:documentation>
    <xsd:documentation xml:lang="en">"Picklist at
        http://www.pbcore.org/PBCore/picklists/picklist_formatColors.html"</
xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatTracks-->
<xsd:element maxOccurs="1" minOccurs="0" name="formatTracks" type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatTracks is simply intended
to
            indicate the number and type of tracks that are found in a media item,
whether it
            is analog or digital. For example, 1 video track, 2 audio tracks, 1 text
track, 1
            sprite track, etc. Other configuration information specific to these
identified
            tracks should be described using formatChannelConfiguration."</
xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore formatChannelConfiguration-->
<xsd:element maxOccurs="1" minOccurs="0" name="formatChannelConfiguration"
type="xsd:string">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor formatChannelConfiguration is
designed to indicate the arrangement or configuration of specific
channels or

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            layers of information within a media item's tracks. Examples are 2-track
mono, 8
            track stereo, or video track with alpha channel."</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
<!-- the pbcore language --&gt;
&lt;xsd:element name="language" type="threeLetterStringType" maxOccurs="1" minOccurs="0"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor language identifies the primary
            language of a media item's audio or text. Alternative audio or text
tracks and
            their associated languages should be identified using the descriptor
            alternativeModes."&lt;/xsd:documentation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"Use reference at
            http://www.pbcore.org/PBCore/language.html"&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- the pbcore alternative modes --&gt;
&lt;xsd:element maxOccurs="1" minOccurs="0" name="alternativeModes" type="xsd:string"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor alternativeModes is a catch-all
            metadata element that identifies equivalent alternatives to the primary
visual,
            sound or textual information that exists in a media item. These are
modes that
            offer alternative ways to see, hear, and read the content of a media
item.
            Examples include DVI (Descriptive Video Information), SAP (Supplementary
Audio
            Program), ClosedCaptions, OpenCaptions, Subtitles, Language Dubs, and
Transcripts.
            For each instance of available alternativeModes, the mode and its
associated
            language should be identified together, if applicable. Examples include
'SAP in
            English,' 'SAP in Spanish,' 'Subtitle in French,' 'OpenCaption in
Arabic.'"&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- the pbcore essence tracks --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="1" name="instantiationEssenceTrack"
type="essenceTrackType"&gt;
    &lt;xsd:element&gt;
        &lt;!-- the pbcore dateAvailable --&gt;
        &lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="instantiationDateAvailable"&gt;
            &lt;xsd:complexType&gt;
                &lt;xsd:sequence&gt;
                    &lt;xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableStart"
type="xsd:string"&gt;
                        &lt;xsd:annotation&gt;
                            &lt;xsd:documentation xml:lang="en"&gt;"The descriptor dateAvailableStart
                                specifies a specific start date for the availability of a
version or
                                rendition of a media item. It may refer to start dates for the
availability of a program that is broadcast locally,
regionally,
                                nationally or internationally, or for web-based distribution. A
specific
                                time may also be associated with the date."&lt;/xsd:documentation&gt;
                        &lt;/xsd:annotation&gt;
                    &lt;/xsd:element&gt;
                &lt;xsd:element maxOccurs="1" minOccurs="0" name="dateAvailableEnd"
type="xsd:string"&gt;
                    &lt;xsd:annotation&gt;
                        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor dateAvailableEnd specifies
                            a specific end date for the availability of a version or
rendition of a
                            media item. It may refer to end dates for the availability of a
program
                            that is broadcast locally, regionally, nationally or
internationally, or
                            for web-based distribution. A specific time may also be
associated with
                            the date."&lt;/xsd:documentation&gt;
                    &lt;/xsd:annotation&gt;
                &lt;/xsd:element&gt;
            &lt;/xsd:sequence&gt;
        &lt;/xsd:complexType&gt;
    &lt;/xsd:element&gt;
<!-- Instantiation Rights --&gt;
&lt;xsd:element name="instantiationRights" type="rightsSummaryType" maxOccurs="unbounded"
minOccurs="0"&gt;
    &lt;xsd:annotation&gt;
</pre>

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<xsd:documentation xml:lang="en">"The Rights for this particular instantiation."</
xsd:documentation>
</xsd:annotation>
</xsd:element>
<!-- Instantiation Annotation --&gt;
&lt;xsd:element maxOccurs="unbounded" minOccurs="0" name="instantiationAnnotation"
type="annotationStringType"&gt;
    &lt;xsd:annotation&gt;
        &lt;xsd:documentation xml:lang="en"&gt;"The descriptor annotation is element where you
can
catalog any supplementary information about an instantiation of the
media item or
the metadata used to describe it. annotation clarifies element values,
terms,
descriptors, and vocabularies that may not be otherwise sufficiently
understood."&lt;/xsd:documentation&gt;
    &lt;/xsd:annotation&gt;
&lt;/xsd:element&gt;
<!-- Instantiation Part --&gt;
&lt;xsd:element name="instantiationPart" type="instantiationPartType"
maxOccurs="unbounded" minOccurs="0"&gt;
    &lt;xsd:annotation&gt;
        &lt;!-- For Readability - Instantiation sequence end --&gt;
    &lt;/xsd:sequence&gt;
    &lt;!-- For Readability - Instantiation complexType end --&gt;
&lt;/xsd:complexType&gt;
</pre>

```

Complex Type technicalStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html															
Diagram	<pre> classDiagram class technicalStringType { <<Base Type xsd:string>> } class xsdstring { <<xsd:string>> @annotation @unitsOfMeasure } technicalStringType < -- xsdstring </pre>															
Type	extension of xsd:string															
Used by	Elements essenceTrackType/essenceTrackDataRate, instantiationType/formatDataRate															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>unitsOfMeasure</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation				optional	unitsOfMeasure				optional
QName	Type	Fixed	Default	Use												
annotation				optional												
unitsOfMeasure				optional												
Source	<pre> <xsd:complexType name="technicalStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="unitsOfMeasure"/> <xsd:attribute name="annotation"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>															

Complex Type threeLetterStringType

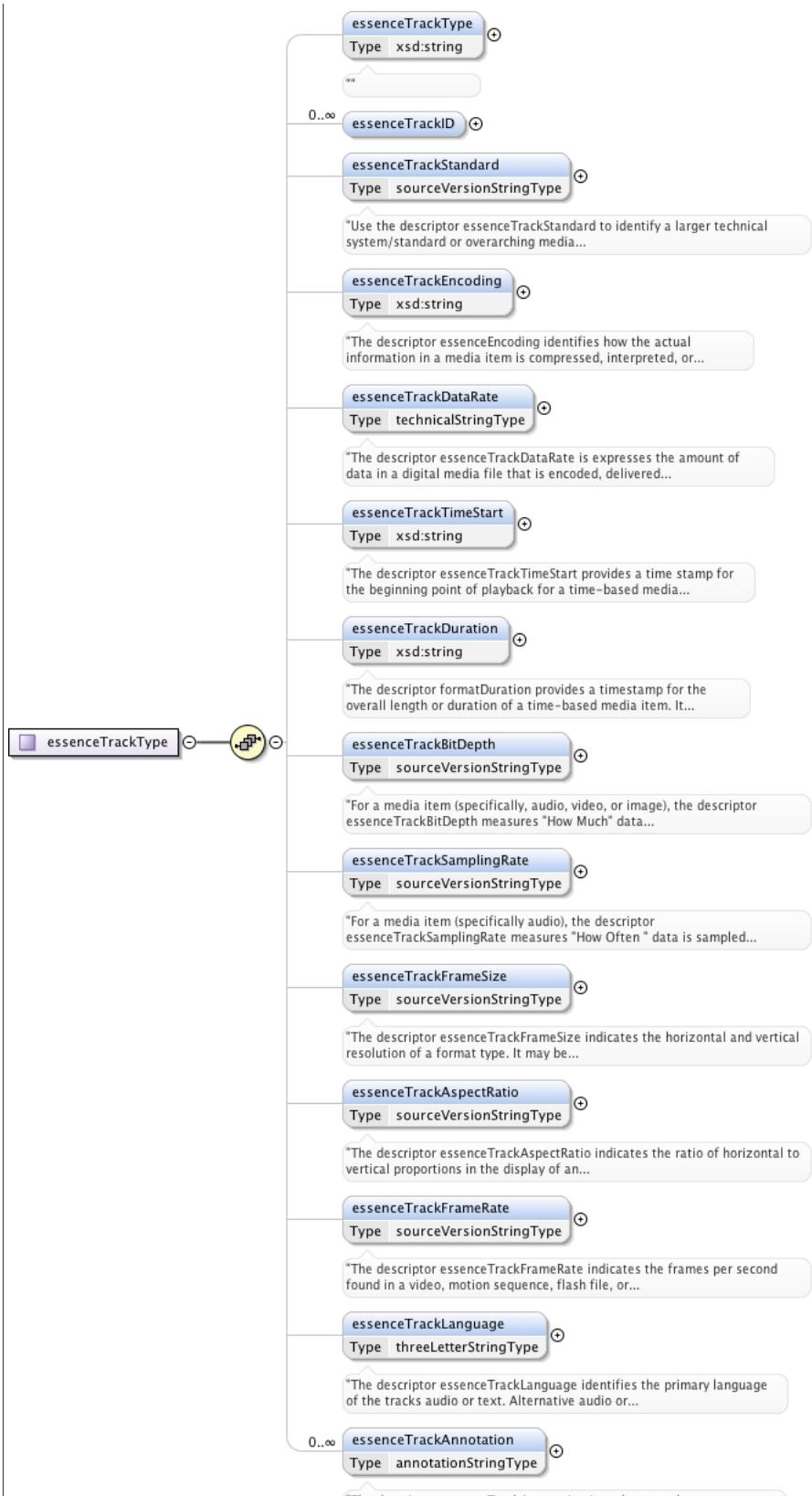
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	<pre> classDiagram class threeLetterStringType { <<Base Type threeLetterCode>> } class threeLetterCode { <<threeLetterCode>> @annotation sourceVersionGroup } threeLetterStringType < -- threeLetterCode </pre>
Type	extension of threeLetterCode
Type hierarchy	<ul style="list-style-type: none"> xsd:string threeLetterCode threeLetterStringType

Used by	Elements essenceTrackType/essenceTrackLanguage, instantiationType/language				
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	source	xsd:string			optional
	version	xsd:string			optional
Source	<pre><xsd:complexType name="threeLetterStringType"> <xsd:simpleContent> <xsd:extension base="threeLetterCode"> <xsd:attributeGroup ref="sourceVersionGroup"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType></pre>				

Complex Type essenceTrackType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram



Used by

Element instantiationType/instantiationEssenceTrack

Model

`essenceTrackType{0,1}` , `essenceTrackID*` , `essenceTrackStandard{0,1}` , `essenceTrackEncoding{0,1}` , `essenceTrackDataRate{0,1}` , `essenceTrackTimeStart{0,1}` , `essenceTrackDuration{0,1}` , `essenceTrackBitDepth{0,1}` , `essenceTrackSamplingRate{0,1}` , `essenceTrackFrameSize{0,1}` ,

	essenceTrackAspectRatio{0,1} , essenceTrackFrameRate{0,1} , essenceTrackLanguage{0,1} , essenceTrackAnnotation*
Children	essenceTrackAnnotation, essenceTrackAspectRatio, essenceTrackBitDepth, essenceTrackDataRate, essenceTrackDuration, essenceTrackEncoding, essenceTrackFrameRate, essenceTrackFrameSize, essenceTrackID, essenceTrackLanguage, essenceTrackSamplingRate, essenceTrackStandard, essenceTrackTimeStart, essenceTrackType
Source	<pre> <xsd:complexType name="essenceTrackType"> <xsd:sequence> <!-- the pbcore essence tracks --> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackType" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:element> <!-- Essence Track IDs --> <xsd:element maxOccurs="unbounded" minOccurs="0" name="essenceTrackID"> <xsd:complexType> <xsd:sequence> <!-- the pbcore essence track identifier --> <xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifier" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:element> <!-- the pbcore essence track identifier source --> <xsd:element maxOccurs="1" minOccurs="1" name="essenceTrackIdentifierSource" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <!-- the pbcore format standard --> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackStandard" type="sourceVersionStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"Use the descriptor essenceTrackStandard to identify a larger technical system/standard or overarching media architecture under which various media formats exist, e.g., NTSC is a system/standard under which many video formats exist." </xsd:documentation> </xsd:annotation> </xsd:element> <!-- the pbcore essence track encoding --> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackEncoding" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceEncoding identifies how the actual information in a media item is compressed, interpreted, or formulated using a particular scheme. Identifying the encoding used is beneficial for a number of reasons, including as a way to achieve reversible compression; for the construction of document indices to facilitate searching and access; or for efficient distribution of the information across data networks with differing bandwidths or pipeline capacities." </xsd:documentation> </xsd:annotation> </xsd:element> <!-- the pbcore essence track data rate--> <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackDataRate" type="technicalStringType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The descriptor essenceTrackDataRate is expresses the amount of data in a digital media file that is encoded, delivered or distributed, for every second of time. Although optimal data rates are often dependent on the codec used to compress and encode a digital file, generally speaking, a larger data rate translates into a better quality playback experience, for example 56 kilobits/second vs. 1 megabit/second." </xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </pre>

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        </xsd:element>
        <!-- the pbcore essence time start-->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackTimeStart"
type="xsd:string">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor essenceTrackTimeStart provides a
                    time stamp for the beginning point of playback for a time-based media
item, such
                    as digital video or audio. Use in combination with essenceTrackDuration
to
                    identify a sequence or segment of a media item that has a fixed start
time and end
                    time."</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essence track duration-->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackDuration"
type="xsd:string">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor formatDuration provides a
timestamp
                    for the overall length or duration of a time-based media item. It
represents the
                    playback time."</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essence track bit depth -->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackBitDepth"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"For a media item (specifically, audio, video, or
                    image), the descriptor essenceTrackBitDepth measures "How Much" data is
sampled
                    when information is digitized, encoded, or converted. Bit depth is
measured in
                    bits and is an indicator of the perceived viewing or playback quality of
a media
                    item (the higher the bit depth, the greater the fidelity)."</
xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essence track sampling rate -->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackSamplingRate"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"For a media item (specifically audio), the
                    descriptor essenceTrackSamplingRate measures "How Often " data is
sampled when
                    information is digitized. For a digital audio signal, the sampling rate
is
                    measured in kiloHertz and is an indicator of the perceived playback
quality of the
                    media item (the higher the sampling rate, the greater the
fidelity)."</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essence track frame size -->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackFrameSize"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor essenceTrackFrameSize indicates
the
                    horizontal and vertical resolution of a format type. It may be expressed
in
                    pixels, pixels per inch, or in the case of ATSC digital TV, a
combination of
                    pixels measured horizontally vs. the number of pixels of image/
resolution data
                    stacked vertically (interlaced and progressive scan)."</
xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essence aspect ratio -->
        <xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackAspectRatio"
type="sourceVersionStringType">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">"The descriptor essenceTrackAspectRatio indicates
                    the ratio of horizontal to vertical proportions in the display of an
static image
                    or moving image."</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <!-- the pbcore essense frame rate -->

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<xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackFrameRate"
type="sourceVersionStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor essenceTrackFrameRate indicates
the
frames per second found in a video, motion sequence, flash file, or
animation's
playback or display."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore essence track language -->
<xsd:element maxOccurs="1" minOccurs="0" name="essenceTrackLanguage"
type="threeLetterStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor essenceTrackLanguage identifies
the
primary language of the tracks audio or text. Alternative audio or text
tracks and
their associated languages should be identified using the descriptor
alternativeModes."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<!-- the pbcore essence track annotation -->
<xsd:element maxOccurs="unbounded" minOccurs="0" name="essenceTrackAnnotation"
type="annotationStringType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">"The descriptor essenceTrackAnnotation is a
element
where you can catalog any supplementary information about a track or the
metadata
used to describe it. annotation clarifies element values, terms,
descriptors, and
vocabularies that may not be otherwise sufficiently
understood."</xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

```

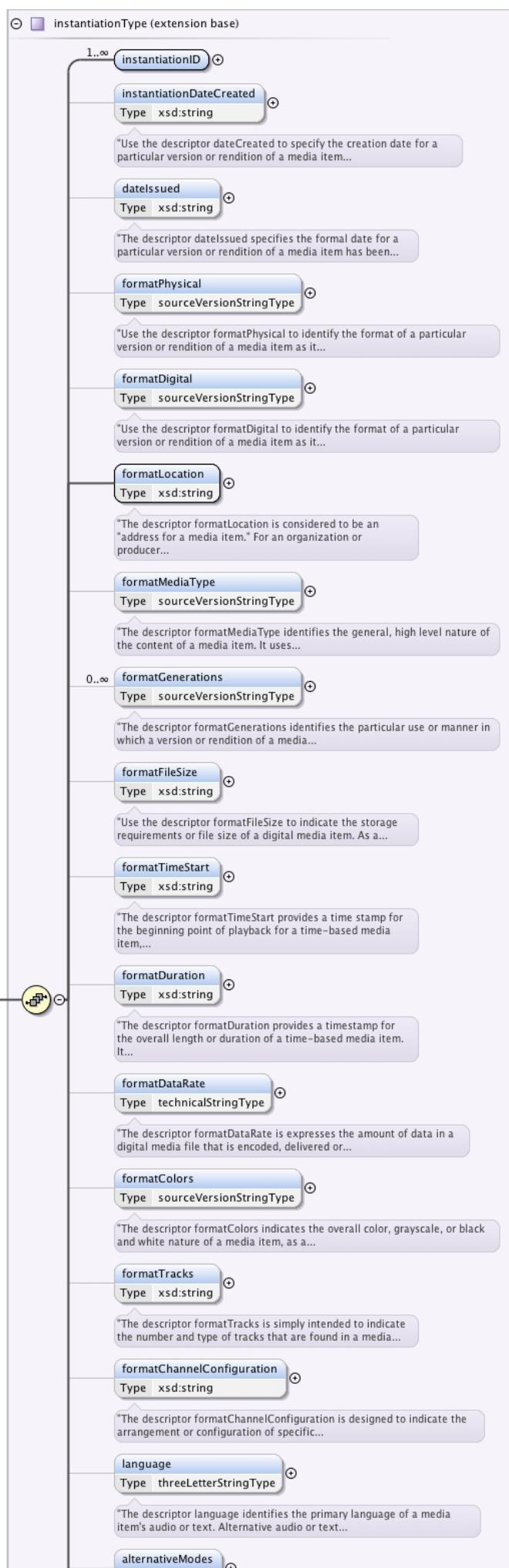
Complex Type annotationStringType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html				
Diagram	<p>The diagram illustrates the inheritance relationship between the <code>annotationStringType</code> complex type and the <code>xsd:string</code> simple type. A box labeled <code>annotationStringType</code> contains the text "Base Type <code>xsd:string</code>". An arrow points from this box to a larger box labeled <code>xsd:string</code>, which contains the text "Built-in primitive type. The string datatype represents character strings in XML." Below the <code>xsd:string</code> box is another box containing the text "@ attributes" and two entries: "@annotationType" and "@annotation".</p>				
Type	extension of <code>xsd:string</code>				
Used by	Elements <code>essenceTrackType/essenceTrackAnnotation</code> , <code>instantiationType/instantiationAnnotation</code> , <code>pbcoreDocumentDescriptionType/pbcoreAnnotation</code>				
Attributes	QName	Type	Fixed	Default	Use
	<code>annotationType</code>				optional
Source	<pre> <xsd:complexType name="annotationStringType"> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="annotationType"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>				

Complex Type instantiationPartType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram

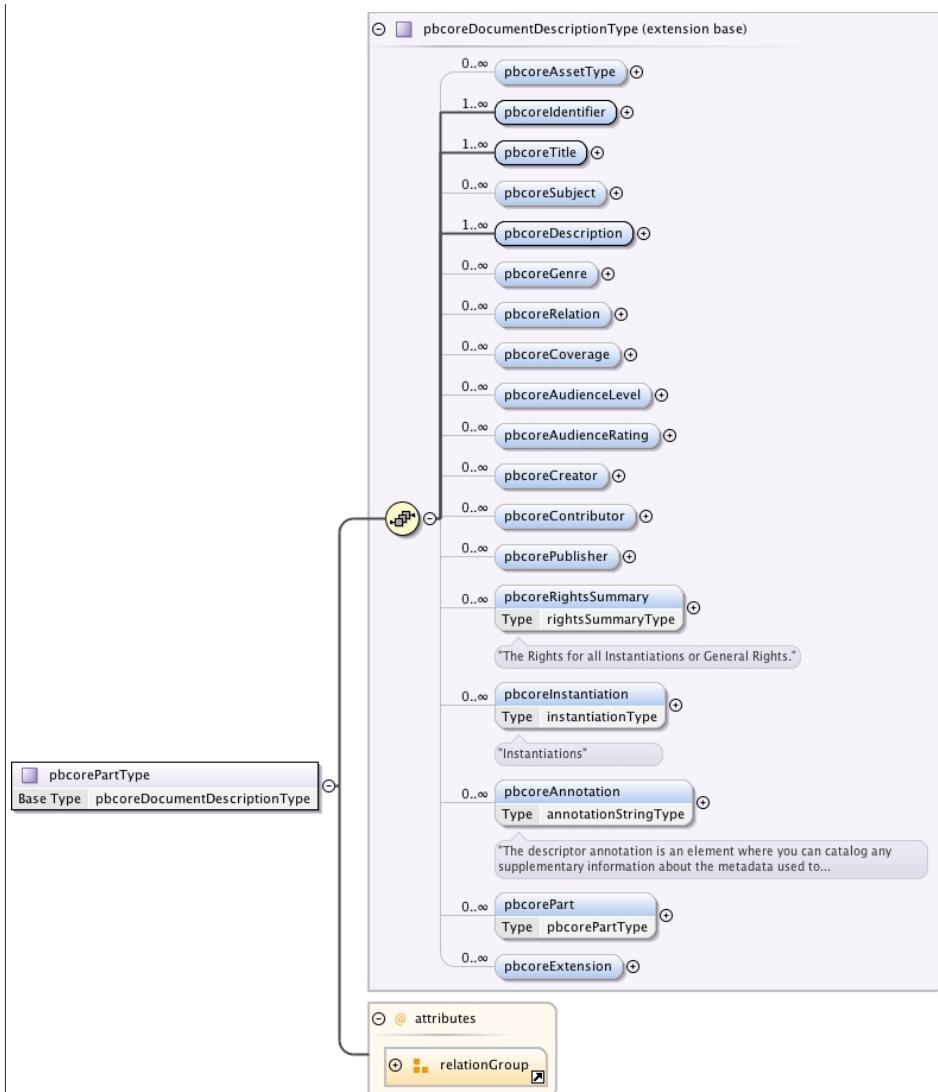


Type	extension of instantiationType																																		
Type hierarchy	<ul style="list-style-type: none"> • instantiationType <ul style="list-style-type: none"> • instantiationPartType 																																		
Used by	Element instantiationType/instantiationPart																																		
Model	instantiationID+, instantiationDateCreated{0,1}, dateIssued{0,1}, formatPhysical{0,1}, formatDigital{0,1}, formatLocation, formatMediaType{0,1}, formatGenerations*, formatFileSize{0,1}, formatTimeStart{0,1}, formatDuration{0,1}, formatDataRate{0,1}, formatColors{0,1}, formatTracks{0,1}, formatChannelConfiguration{0,1}, language{0,1}, alternativeModes{0,1}, instantiationEssenceTrack+, instantiationDateAvailable*, instantiationRights*, instantiationAnnotation*, instantiationPart*																																		
Children	alternativeModes, dateIssued, formatChannelConfiguration, formatColors, formatDataRate, formatDigital, formatDuration, formatFileSize, formatGenerations, formatLocation, formatMediaType, formatPhysical, formatTimeStart, formatTracks, instantiationAnnotation, instantiationDateAvailable, instantiationDateCreated, instantiationEssenceTrack, instantiationID, instantiationPart, instantiationRights, language																																		
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th> <th style="text-align: left; padding: 2px;">Type</th> <th style="text-align: left; padding: 2px;">Fixed</th> <th style="text-align: left; padding: 2px;">Default</th> <th style="text-align: left; padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">annotation</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">relationID</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td colspan="5" style="padding: 2px;">This part is then referenced to another part."</td></tr> <tr> <td style="padding: 2px;">relationType</td><td style="padding: 2px;">xsd:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td colspan="5" style="padding: 2px;">"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	relationID	xsd:string			optional	This part is then referenced to another part."					relationType	xsd:string			optional	"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."				
QName	Type	Fixed	Default	Use																															
annotation	xsd:string			optional																															
relationID	xsd:string			optional																															
This part is then referenced to another part."																																			
relationType	xsd:string			optional																															
"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."																																			
Source	<pre style="font-family: monospace; font-size: 0.8em; margin: 0;"><xsd:complexType name="instantiationPartType"> <xsd:complexContent> <xsd:extension base="instantiationType"> <xsd:attributeGroup ref="relationGroup"/> </xsd:extension> </xsd:complexContent> </xsd:complexType></pre>																																		

Complex Type pbcorePartType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram



Type	extension of pbcoreDocumentDescriptionType																														
Type hierarchy	<ul style="list-style-type: none"> • pbcoreDocumentDescriptionType <ul style="list-style-type: none"> • pbcorePartType 																														
Used by	Element pbcoreDocumentDescriptionType/pbcorePart																														
Model	pbcoreAssetType*, pbcoreIdentifier+, pbcoreTitle+, pbcoreSubject*, pbcoreDescription+, pbcoreGenre*, pbcoreRelation*, pbcoreCoverage*, pbcoreAudienceLevel*, pbcoreAudienceRating*, pbcoreCreator*, pbcoreContributor*, pbcorePublisher*, pbcoreRightsSummary*, pbcoreInstantiation*, pbcoreAnnotation*, pbcorePart*, pbcoreExtension*																														
Children	pbcoreAnnotation, pbcoreAssetType, pbcoreAudienceLevel, pbcoreAudienceRating, pbcoreContributor, pbcoreCoverage, pbcoreCreator, pbcoreDescription, pbcoreGenre, pbcoreIdentifier, pbcoreInstantiation, pbcorePart, pbcorePublisher, pbcoreRelation, pbcoreRightsSummary, pbcoreSubject, pbcoreTitle																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>relationID</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">This part is then referenced to another part."</td></tr> <tr> <td>relationType</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes.."</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	relationID	xsd:string			optional			This part is then referenced to another part."			relationType	xsd:string			optional			"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes.."		
QName	Type	Fixed	Default	Use																											
annotation	xsd:string			optional																											
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relationType	xsd:string			optional																											
		"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes.."																													
Source	<pre> <xsd:complexType name="pbcorePartType"> <xsd:complexContent> <xsd:extension base="pbcoreDocumentDescriptionType"> <xsd:attributeGroup ref="relationGroup"/> </xsd:extension> </xsd:complexContent> </xsd:complexType> </pre>																														

```
    </xsd:complexContent>
    </xsd:complexType>
```

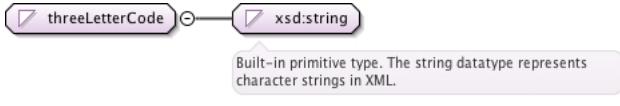
Complex Type pbcoreCollectionType

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																																		
Diagram	<pre> classDiagram class pbcoreCollectionType { @ collectionTitle @ collectionDescription @ collectionSource @ collectionLink @ collectionDate } class pbcoreDescriptionDocument { * pbcoreDocumentDescriptionType } pbcoreCollectionType "1..>" pbcoreDescriptionDocument pbcoreCollectionType --> attributes attributes { @ collectionTitle @ collectionDescription @ collectionSource @ collectionLink @ collectionDate } </pre> <p>The diagram illustrates the structure of the pbcoreCollectionType complex type. It features a central box labeled "pbcoreCollectionType" with five attributes listed below it: "collectionTitle", "collectionDescription", "collectionSource", "collectionLink", and "collectionDate", each with its "xsd:string" type indicated. An association line connects "pbcoreCollectionType" to another box labeled "pbcoreDescriptionDocument", which contains a single attribute "pbcoreDocumentDescriptionType". A note below the association states: "The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items...".</p>																																		
Used by	Element pbcoreCollection																																		
Model	pbcoreDescriptionDocument +																																		
Children	pbcoreDescriptionDocument																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>collectionDate</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>collectionDescription</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>collectionLink</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>collectionSource</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> <tr> <td>collectionTitle</td><td>xsd:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	collectionDate	xsd:string			optional	collectionDescription	xsd:string			optional	collectionLink	xsd:string			optional	collectionSource	xsd:string			optional	collectionTitle	xsd:string			optional
QName	Type	Fixed	Default	Use																															
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collectionDescription	xsd:string			optional																															
collectionLink	xsd:string			optional																															
collectionSource	xsd:string			optional																															
collectionTitle	xsd:string			optional																															
Source	<pre> <xsd:complexType name="pbcoreCollectionType"> <xsd:sequence> <!-- everything falls under a descriptionDocument otherwise known as an asset --> <xsd:element maxOccurs="unbounded" minOccurs="1" name="pbcoreDescriptionDocument" type="pbcoreDocumentDescriptionType"> <xsd:annotation> <xsd:documentation xml:lang="en">"The Master Container assembles together all collections of PBCore knowledge items. For PBCore these knowledge items are document terms and values related to a single data record associated with a media item. In our XML Schema Definition, the MasterContainer is referred to as the 'PBCoreDescriptionDocument.'"</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> <xsd:attribute name="collectionTitle" type="xsd:string"/> <xsd:attribute name="collectionDescription" type="xsd:string"/> <xsd:attribute name="collectionSource" type="xsd:string"/> <xsd:attribute name="collectionLink" type="xsd:string"/> <xsd:attribute name="collectionDate" type="xsd:string"/> </xsd:complexType> </pre>																																		

Simple Types

Simple Type threeLetterCode

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
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Diagram	
Type	restriction of xsd:string
Facets	pattern $([a-z]\{3\}(([a-z]\{3\})?)^*)?$
Used by	Complex Type threeLetterStringType
Source	<pre><xsd:simpleType name="threeLetterCode"> <xsd:restriction base="xsd:string"> <xsd:pattern value="([a-z]\{3\}(([a-z]\{3\})?)?")?"/> <!-- allows for null --> </xsd:restriction> </xsd:simpleType></pre>

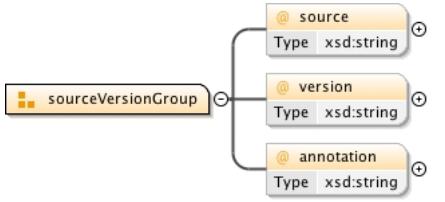
Attributes

Attribute @schemaVersion

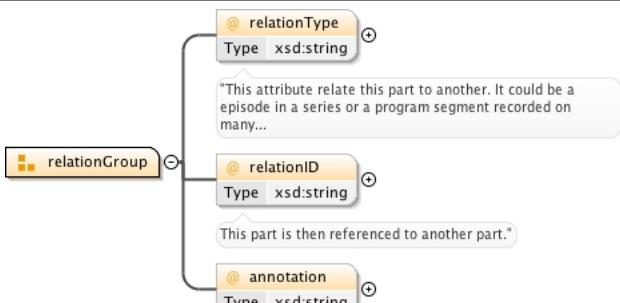
Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Type	xsd:string
Properties	content: simple
Source	<pre><xsd:attribute name="schemaVersion" type="xsd:string" /></pre>

Attribute Groups

Attribute Group sourceVersionGroup

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html																				
Diagram																					
Used by	Complex Types contributorStringType, sourceVersionStringType, threeLetterStringType																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>annotation</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>source</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>version</td> <td>xsd:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	annotation	xsd:string			optional	source	xsd:string			optional	version	xsd:string			optional
QName	Type	Fixed	Default	Use																	
annotation	xsd:string			optional																	
source	xsd:string			optional																	
version	xsd:string			optional																	
Source	<pre><xsd:attributeGroup name="sourceVersionGroup"> <xsd:attribute name="source" type="xsd:string" /> <xsd:attribute name="version" type="xsd:string" /> <xsd:attribute name="annotation" type="xsd:string" /> </xsd:attributeGroup></pre>																				

Attribute Group relationGroup

Namespace	http://www.pbcore.org/PBCore/PBCoreNamespace.html
Diagram	

Used by	Complex Types instantiationPartType, pbcorePartType				
Attributes	QName	Type	Fixed	Default	Use
	annotation	xsd:string			optional
	relationID	xsd:string			optional
		This part is then referenced to another part."			
	relationType	xsd:string			optional
		"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."			
Source	<pre><xsd:attributeGroup name="relationGroup"> <xsd:attribute name="relationType" type="xsd:string"> <xsd:annotation> <xsd:documentation>This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes.</xsd:documentation> </xsd:annotation> </xsd:attribute> <xsd:attribute name="relationID" type="xsd:string"> <xsd:annotation> <xsd:documentation>This part is then referenced to another part.</xsd:documentation> </xsd:annotation> </xsd:attribute> <xsd:attribute name="annotation" type="xsd:string"/> </xsd:attributeGroup></pre>				

Namespace: ""

Attributes

Attribute sourceVersionGroup / @source

Namespace	No namespace	
Type	xsd:string	
Properties	content: simple	
Used by	Attribute Group sourceVersionGroup	
Source	<xsd:attribute name="source" type="xsd:string"/>	

Attribute sourceVersionGroup / @version

Namespace	No namespace	
Type	xsd:string	
Properties	content: simple	
Used by	Attribute Group sourceVersionGroup	
Source	<xsd:attribute name="version" type="xsd:string"/>	

Attribute sourceVersionGroup / @annotation

Namespace	No namespace	
Type	xsd:string	
Properties	content: simple	
Used by	Attribute Group sourceVersionGroup	
Source	<xsd:attribute name="annotation" type="xsd:string"/>	

Attribute dateStringType / @dateType

Namespace	No namespace	
Used by	Complex Type dateStringType	
Source	<xsd:attribute name="dateType" />	

Attribute subjectStringType / @subjectType

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type subjectStringType
Source	<xsd:attribute name="subjectType" type="xsd:string"/>

Attribute subjectStringType / @source

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type subjectStringType
Source	<xsd:attribute name="source" type="xsd:string"/>

Attribute subjectStringType / @version

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type subjectStringType
Source	<xsd:attribute name="version" type="xsd:string"/>

Attribute subjectStringType / @annotation

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type subjectStringType
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute descriptionStringType / @startTime

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type descriptionStringType
Source	<xsd:attribute name="startTime" type="xsd:string"/>

Attribute descriptionStringType / @endTime

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type descriptionStringType
Source	<xsd:attribute name="endTime" type="xsd:string"/>

Attribute descriptionStringType / @segmentType

Namespace	No namespace
Type	xsd:string

Properties	content: simple
Used by	Complex Type descriptionStringType
Source	<xsd:attribute name="segmentType" type="xsd:string"/>

Attribute descriptionStringType / @annotation

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type descriptionStringType
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute affiliatedStringType / @affiliation

Namespace	No namespace
Used by	Complex Type affiliatedStringType
Source	<xsd:attribute name="affiliation" />

Attribute affiliatedStringType / @linkedID

Namespace	No namespace
Used by	Complex Type affiliatedStringType
Source	<xsd:attribute name="linkedID" />

Attribute affiliatedStringType / @annotation

Namespace	No namespace
Used by	Complex Type affiliatedStringType
Source	<xsd:attribute name="annotation" />

Attribute contributorStringType / @portrayal

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type contributorStringType
Source	<xsd:attribute name="portrayal" type="xsd:string"/>

Attribute rightsLinkType / @annotation

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type rightsLinkType
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute embeddedType / @annotation

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type embeddedType
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute technicalStringType / @unitsOfMeasure

Namespace	No namespace
Used by	Complex Type technicalStringType
Source	<xsd:attribute name="unitsOfMeasure"/>

Attribute technicalStringType / @annotation

Namespace	No namespace
Used by	Complex Type technicalStringType
Source	<xsd:attribute name="annotation"/>

Attribute annotationStringType / @annotationType

Namespace	No namespace
Used by	Complex Type annotationStringType
Source	<xsd:attribute name="annotationType"/>

Attribute relationGroup / @relationType

Namespace	No namespace
Annotations	"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes."
Type	xsd:string
Properties	content: simple
Used by	Attribute Group relationGroup
Source	<xsd:attribute name="relationType" type="xsd:string"> <xsd:annotation> <xsd:documentation>"This attribute relate this part to another. It could be a episode in a series or a program segment recorded on many tapes." </xsd:documentation> </xsd:annotation> </xsd:attribute>

Attribute relationGroup / @relationID

Namespace	No namespace
Annotations	This part is then referenced to another part."
Type	xsd:string
Properties	content: simple
Used by	Attribute Group relationGroup
Source	<xsd:attribute name="relationID" type="xsd:string"> <xsd:annotation> <xsd:documentation>This part is then referenced to another part." </xsd:documentation> </xsd:annotation> </xsd:attribute>

Attribute relationGroup / @annotation

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Attribute Group relationGroup
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute pbcoreDocumentDescriptionType / pbcoreExtension / extensionWrap / @annotation

Namespace	No namespace
-----------	--------------

Type	xsd:string
Properties	content: simple
Used by	Element pbcoreDocumentDescriptionType/pbcoreExtension/extensionWrap
Source	<xsd:attribute name="annotation" type="xsd:string"/>

Attribute pbcoreCollectionType / @collectionTitle

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type pbcoreCollectionType
Source	<xsd:attribute name="collectionTitle" type="xsd:string"/>

Attribute pbcoreCollectionType / @collectionDescription

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type pbcoreCollectionType
Source	<xsd:attribute name="collectionDescription" type="xsd:string"/>

Attribute pbcoreCollectionType / @collectionSource

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type pbcoreCollectionType
Source	<xsd:attribute name="collectionSource" type="xsd:string"/>

Attribute pbcoreCollectionType / @collectionLink

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type pbcoreCollectionType
Source	<xsd:attribute name="collectionLink" type="xsd:string"/>

Attribute pbcoreCollectionType / @collectionDate

Namespace	No namespace
Type	xsd:string
Properties	content: simple
Used by	Complex Type pbcoreCollectionType
Source	<xsd:attribute name="collectionDate" type="xsd:string"/>