

Schema documentation for CAPPDC.xsd

july 1, 2015

Table of Contents

Namespace: "http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"	2
Schema(s)	2
Main schema CAPPDC.xsd	2
Element(s)	2
Element CollectionReference	2
Element CollectionReference / DescriptionDocument	3
Element CollectionReference / DescriptionDocument / DublinCore	3
Element CollectionReference / DescriptionDocument / DublinCore / title	5
Element CollectionReference / DescriptionDocument / DublinCore / creator	5
Element CollectionReference / DescriptionDocument / DublinCore / subject	5
Element CollectionReference / DescriptionDocument / DublinCore / description	6
Element CollectionReference / DescriptionDocument / DublinCore / publisher	6
Element CollectionReference / DescriptionDocument / DublinCore / contributor	6
Element CollectionReference / DescriptionDocument / DublinCore / date	7
Element CollectionReference / DescriptionDocument / DublinCore / type	7
Element CollectionReference / DescriptionDocument / DublinCore / format	8
Element CollectionReference / DescriptionDocument / DublinCore / identifier	8
Element CollectionReference / DescriptionDocument / DublinCore / source	8
Element CollectionReference / DescriptionDocument / DublinCore / language	9
Element CollectionReference / DescriptionDocument / DublinCore / relation	9
Element CollectionReference / DescriptionDocument / DublinCore / coverage	9
Element CollectionReference / DescriptionDocument / DublinCore / rights	10
Element CollectionReference / DescriptionDocument / Assets	10
Element CollectionReference / DescriptionDocument / Assets / objectID	11
Element CollectionReference / DescriptionDocument / Assets / projectID	12
Element CollectionReference / DescriptionDocument / Assets / physicalLocation	12
Element CollectionReference / DescriptionDocument / Assets / dimensionsHeight	12
Element CollectionReference / DescriptionDocument / Assets / dimensionsWidth	13
Element CollectionReference / DescriptionDocument / Assets / color	13
Element CollectionReference / DescriptionDocument / Assets / hasParts	13
Element CollectionReference / DescriptionDocument / Assets / additionalDescription	14
Element CollectionReference / DescriptionDocument / Assets / AssetPart	14
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations	14
Instantiations / Instantiation	15
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / fileName	16
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / fileSize	16
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / checksum	16
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / derivedFrom	17
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical	17
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / fileFormat	18
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / imageFormat	19
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionWidth	19
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionHeight	19
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / colorSpace	20
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / chromaSubsampling	20
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / colorDepth	20
Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / compressionMode	21

Element CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / Technical / additionalTechnicalNotes	21
Namespace: ""	22
Attribute(s)	22
Attribute CollectionReference / DescriptionDocument / DublinCore / date / @type	22
Attribute CollectionReference / DescriptionDocument / DublinCore / identifier / @type	22
Attribute CollectionReference / DescriptionDocument / DublinCore / source / @url	22
Attribute CollectionReference / DescriptionDocument / DublinCore / source / @type	22
Attribute CollectionReference / DescriptionDocument / DublinCore / coverage / @type	22
Attribute CollectionReference / DescriptionDocument / Assets / dimensionsHeight / @unit	22
Attribute CollectionReference / DescriptionDocument / Assets / dimensionsWidth / @unit	23
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / fileSize / @unit	23
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / checksum / @type	23
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / Technical / resolutionWidth / @unit	23
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / Technical / resolutionHeight / @unit	23
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / Technical / colorDepth / @unit	24
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / Instantiation / @generation	24
Attribute CollectionReference / DescriptionDocument / Assets / AssetPart /	
Instantiations / @relationship	24
Attribute CollectionReference / @collectionSource	24
Attribute CollectionReference / @projectSource	24

Namespace: "http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"

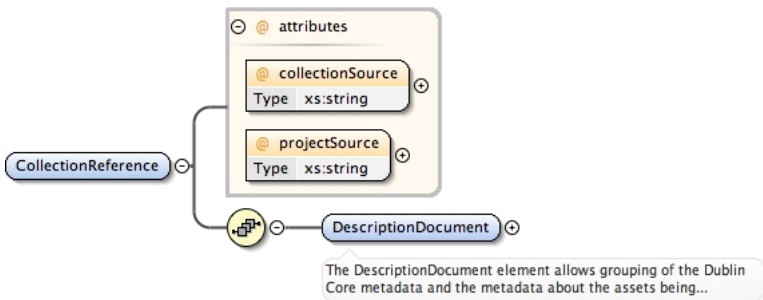
Schema(s)

Main schema CAPPDC.xsd

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Properties	attribute form default: unqualified
	element form default: qualified

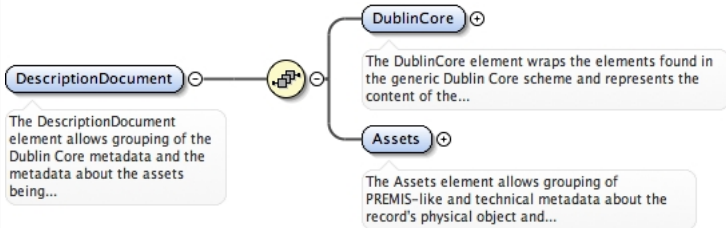
Element(s)

Element CollectionReference

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Diagram					
Properties	content:	complex			
Model	DescriptionDocument				
Children	DescriptionDocument				
Instance	<pre><CollectionReference collectionSource="" projectSource="" xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <DescriptionDocument>{1,1}</DescriptionDocument> </CollectionReference></pre>				
Attributes	QName	Type	Fixed	Default	Use
	collectionSource	xs:string			required

	QName	Type	Fixed	Default	Use
	projectSource	xs:string			required

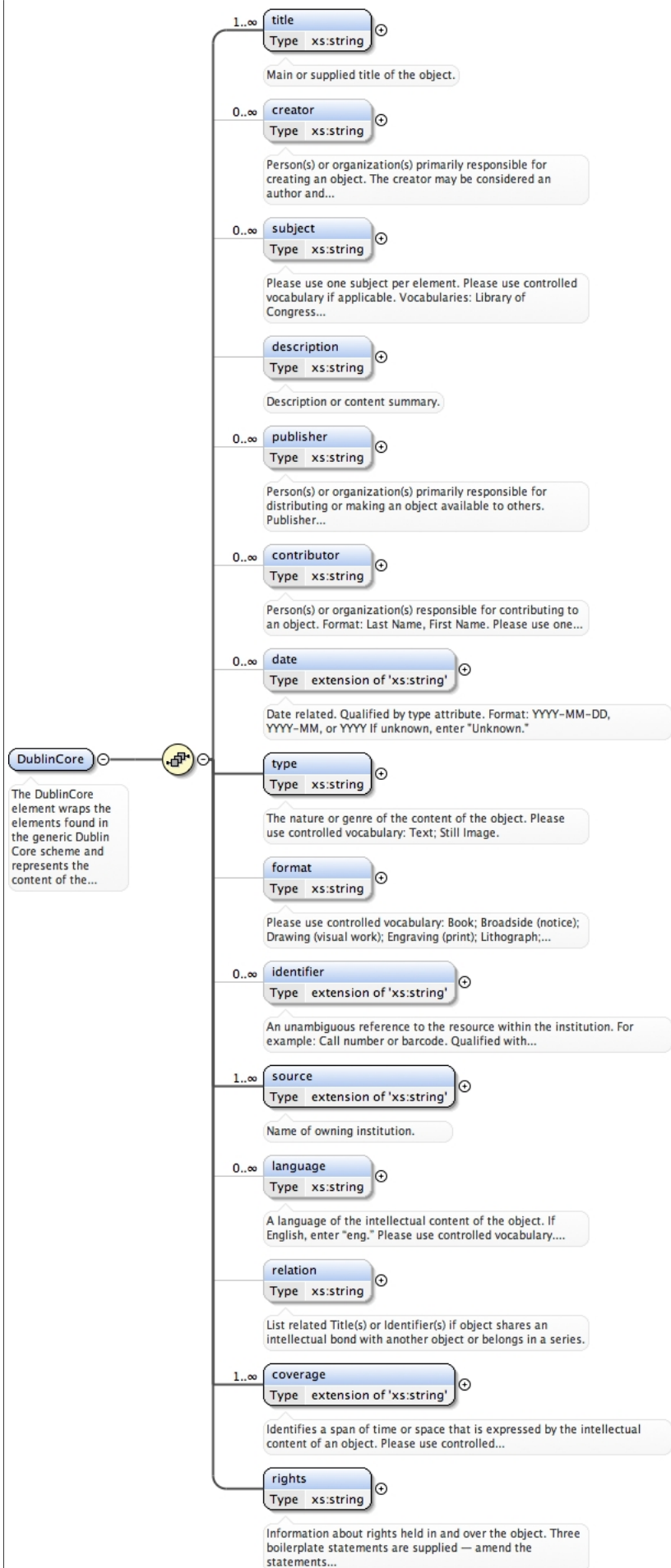
Element CollectionReference / DescriptionDocument

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines The DescriptionDocument element allows grouping of the Dublin Core metadata and the metadata about the assets being represented.		
Diagram	 <p>The DescriptionDocument element allows grouping of the Dublin Core metadata and the metadata about the assets being...</p> <p>The DublinCore element wraps the elements found in the generic Dublin Core scheme and represents the content of the...</p> <p>The Assets element allows grouping of PREMIS-like and technical metadata about the record's physical object and...</p>		
Properties	content:	complex	
Model	DublinCore , Assets		
Children	Assets, DublinCore		
Instance	<pre><DescriptionDocument xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <DublinCore>{1,1}</DublinCore> <Assets>{1,1}</Assets> </DescriptionDocument></pre>		

Element CollectionReference / DescriptionDocument / DublinCore

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines The DublinCore element wraps the elements found in the generic Dublin Core scheme and represents the content of the object.				

Diagram



Properties	content: complex
Model	title+ , creator* , subject* , description{0,1} , publisher* , contributor* , date* , type , format{0,1} , identifier* , source+ , language* , relation{0,1} , coverage+ , rights
Children	contributor, coverage, creator, date, description, format, identifier, language, publisher, relation, rights, source, subject, title, type
Instance	<pre><DublinCore xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <title>{1,unbounded}</title> <creator>{0,unbounded}</creator> <subject>{0,unbounded}</subject> <description>{0,1}</description> <publisher>{0,unbounded}</publisher> <contributor>{0,unbounded}</contributor> <date type="created">{0,unbounded}</date> <type>{1,1}</type> <format>{0,1}</format> <identifier type="">{0,unbounded}</identifier> <source type="" url="">{1,unbounded}</source> <language>{0,unbounded}</language> <relation>{0,1}</relation> <coverage type="">{1,unbounded}</coverage> <rights>{1,1}</rights> </DublinCore></pre>

Element CollectionReference / DescriptionDocument / DublinCore / title

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Main or supplied title of the object.</p>
Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>maxOccurs: unbounded</p>

Element CollectionReference / DescriptionDocument / DublinCore / creator

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Person(s) or organization(s) primarily responsible for creating an object. The creator may be considered an author and may be one or more people, a business, organization, group, project or service.</p> <p>Format: Last Name, First Name. Please use controlled vocabulary if applicable. Please use one name per creator element. This element is a required field.</p> <p>Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/</p>
Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>

Element CollectionReference / DescriptionDocument / DublinCore / subject

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines

	<p>Please use one subject per element. Please use controlled vocabulary if applicable.</p> <p>Vocabularies: Library of Congress Subject Headings: http://id.loc.gov/authorities/subjects.html Library of Congress Name Authority File: http://id.loc.gov/authorities/names.html</p>						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element CollectionReference / DescriptionDocument / DublinCore / description

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Description or content summary.</p>				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

Element CollectionReference / DescriptionDocument / DublinCore / publisher

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html						
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Person(s) or organization(s) primarily responsible for distributing or making an object available to others. Publisher may be a person, a business, organization, group, project or service.</p> <p>Format: Last Name, First Name. Please use one name per publisher element. Please use controlled vocabulary if applicable. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/</p>						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element CollectionReference / DescriptionDocument / DublinCore / contributor

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Person(s) or organization(s) responsible for contributing to an object.</p> <p>Format: Last Name, First Name. Please use one name per contributor element.</p>

	Please use controlled vocabulary if applicable.	
	Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/	
Diagram		
Type	xs:string	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded

Element CollectionReference / DescriptionDocument / DublinCore / date

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html			
Annotations	California Preservation Service Metadata Guidelines Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If unknown, enter "Unknown."			
Diagram				
Type	extension of xs:string			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	unbounded		
Attributes	QName	Type	Fixed	Default
	type			created
	California Preservation Service Metadata Guidelines Type of date. For example: "created" or "published"			

Element CollectionReference / DescriptionDocument / DublinCore / type

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html			
Annotations	California Preservation Service Metadata Guidelines The nature or genre of the content of the object. Please use controlled vocabulary: Text; Still Image.			
Diagram				
Type	xs:string			
Properties	content:	simple		
	minOccurs:	1		

Element CollectionReference / DescriptionDocument / DublinCore / format

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual work); Engraving (print); Lithograph; Manuscript (document genre); Map (document); Newspaper; Photograph.		
Diagram			
Type	xs:string		
Properties	content:	simple	
	minOccurs:	0	

Element CollectionReference / DescriptionDocument / DublinCore / identifier

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html			
Annotations	California Preservation Service Metadata Guidelines An unambiguous reference to the resource within the institution. For example: Call number or barcode. Qualified with the type attribute.			
Diagram				
Type	extension of xs:string			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	unbounded		
Attributes	QName	Type	Fixed	Default
	type			optional
	California Preservation Service Metadata Guidelines			
	The type of the indentifier. For example "call number" or "barcode"			

Element CollectionReference / DescriptionDocument / DublinCore / source

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html			
Annotations	California Preservation Service Metadata Guidelines Name of owning institution.			
Diagram				

Type	extension of xs:string				
Properties	content:	complex			
	maxOccurs:	unbounded			
Attributes	QName	Type	Fixed	Default	Use
	type	xs:string			required
	url	restriction of xs:anyURI			optional

Element CollectionReference / DescriptionDocument / DublinCore / language

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	<p>A language of the intellectual content of the object. If English, enter "eng." Please use controlled vocabulary.</p> <p>Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/standards/iso639-2/php/code_list.php</p>				
Diagram					
Type	xs:string				
Properties	content:	simple			
	minOccurs:	0			
	maxOccurs:	unbounded			

Element CollectionReference / DescriptionDocument / DublinCore / relation

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	<p>List related Title(s) or Identifier(s) if object shares an intellectual bond with another object or belongs in a series.</p>				
Diagram					
Type	xs:string				
Properties	content:	simple			
	minOccurs:	0			
	maxOccurs:	1			

Element CollectionReference / DescriptionDocument / DublinCore / coverage

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	<p>Identifies a span of time or space that is expressed by the intellectual content of an object.</p> <p>Please use controlled vocabulary, if applicable.</p> <p>Vocabulary: Library of Congress Subject Headings: http://authorities.loc.gov/ Library of Congress Extended Date/Time Format https://www.loc.gov/standards/datetime/pre-submission.html#datetime</p>				

Diagram	<p>coverage Type extension of 'xs:string'</p> <p>Identifies a span of time or space that is expressed by the intellectual content of an object. Please use controlled...</p> <p>xs:string Built-in primitive type. The string datatype represents character strings in XML.</p> <p>attributes</p> <p>type Type xs:string</p> <p>The type of coverage. Please use either temporal or spacial.</p>				
Type	extension of xs:string				
Properties	content:	complex			
	minOccurs:	1			
	maxOccurs:	unbounded			
Attributes	QName	Type	Fixed	Default	Use
	type	xs:string			optional
		The type of coverage. Please use either temporal or spacial.			

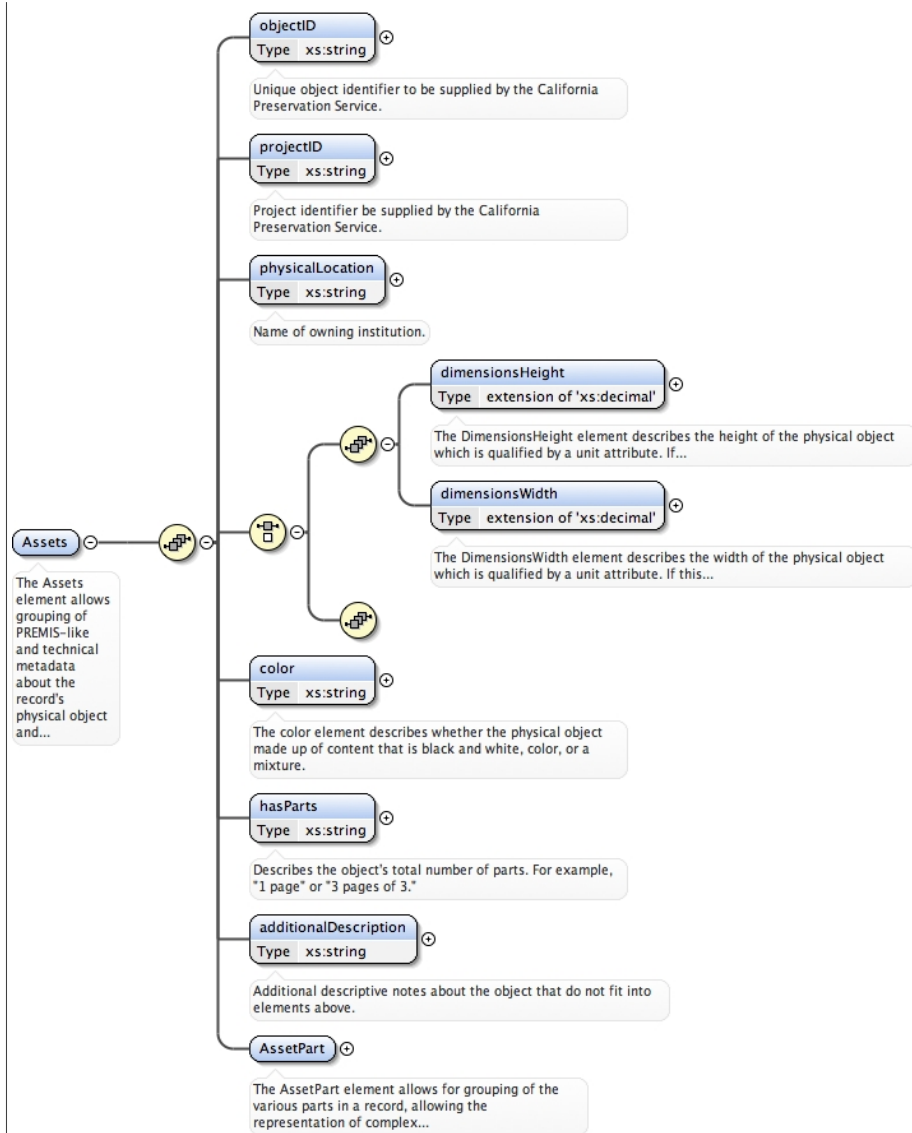
Element CollectionReference / DescriptionDocument / DublinCore / rights

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>Information about rights held in and over the object.</p> <p>Three boilerplate statements are supplied – amend the statements as needed:</p> <p>1) Public domain. No restrictions on use.</p> <p>2) Copyrighted. Rights are owned by [Library/Archive or Copyright Holder]. Copyright Holder has given Institution permission to provide access to the digitized work online. Transmission or reproduction of materials protected by copyright beyond that allowed by fair use requires the written permission of the copyright owner. In addition, the reproduction of some materials may be restricted by terms of gift or purchase agreements, donor restrictions, privacy and publicity rights, licensing and trademarks. Works not in the public domain cannot be commercially exploited without permission of the copyright owner. Responsibility for any use rests exclusively with the user.</p> <p>3) Copyright status unknown. This work may be protected by the U.S. Copyright Law (Title 17, U.S.C.). In addition, its reproduction may be restricted by terms of gift or purchase agreements, donor restrictions, privacy and publicity rights, licensing and trademarks. This work is accessible for purposes of education and research. Transmission or reproduction of works protected by copyright beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owner. Responsibility for any use rests exclusively with the user. [Library/Archive] attempted to find rights owners without success but is eager to hear from them so that we may obtain permission, if needed. Upon request to [email at Library/Archive], digitized works can be removed from public view if there are rights issues that need to be resolved.</p> <p>For more information, see project permission guidelines.</p>				
Diagram	<p>rights Type xs:string</p> <p>Information about rights held in and over the object. Three boilerplate statements are supplied – amend the statements...</p> <p>xs:string Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	xs:string				
Properties	content:	simple			

Element CollectionReference / DescriptionDocument / Assets

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	<p>California Preservation Service Metadata Guidelines</p> <p>The Assets element allows grouping of PREMIS-like and technical metadata about the record's physical object and object's digital surrogates.</p>				

Diagram



Properties	content: complex
Model	objectID , projectID , physicalLocation , ((dimensionsHeight , dimensionsWidth) ()) , color , hasParts , additionalDescription , AssetPart
Children	AssetPart, additionalDescription, color, dimensionsHeight, dimensionsWidth, hasParts, objectID, physicalLocation, projectID
Instance	<pre> <Assets xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <objectID>{1,1}</objectID> <projectID>{1,1}</projectID> <physicalLocation>{1,1}</physicalLocation> <dimensionsHeight unit="">{1,1}</dimensionsHeight> <dimensionsWidth unit="">{1,1}</dimensionsWidth> <color>{1,1}</color> <hasParts>{1,1}</hasParts> <additionalDescription>{1,1}</additionalDescription> <AssetPart>{1,1}</AssetPart> </Assets> </pre>

Element CollectionReference / DescriptionDocument / Assets / objectID

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines
	Unique object identifier to be supplied by the California Preservation Service.

Diagram		
Type	xs:string	
Properties	content:	simple

Element CollectionReference / DescriptionDocument / Assets / projectID

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines Project identifier be supplied by the California Preservation Service.	
Diagram		
Type	xs:string	
Properties	content:	simple

Element CollectionReference / DescriptionDocument / Assets / physicalLocation

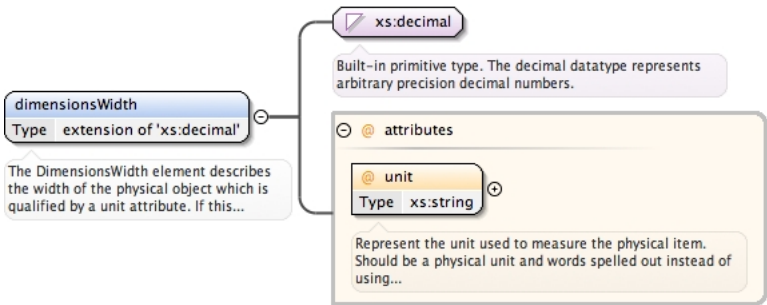
Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines Name of owning institution.	
Diagram		
Type	xs:string	
Properties	content:	simple

Element CollectionReference / DescriptionDocument / Assets / dimensionsHeight

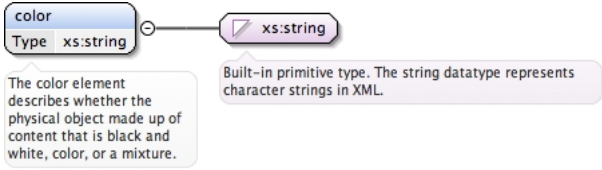
Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines The DimensionsHeight element describes the height of the physical object which is qualified by a unit attribute. If this is known, please include both height and width information.	
Diagram		
Type	extension of xs:decimal	
Properties	content:	complex
	minOccurs:	1

Attributes	QName	Type	Fixed	Default	Use
	unit	xs:string			required
	California Preservation Service Metadata Guidelines Represent the unit used to measure the physical item. Should be a physical unit and words spelled out instead of using abbreviations. For example: inches and centimeters.				

Element CollectionReference / DescriptionDocument / Assets / dimensionsWidth

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines The DimensionsWidth element describes the width of the physical object which is qualified by a unit attribute. If this is known, please include both height and width information.				
Diagram	 <p>The DimensionsWidth element describes the width of the physical object which is qualified by a unit attribute. If this...</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p> <p>attributes</p> <p>unit Type xs:string</p> <p>Represent the unit used to measure the physical item. Should be a physical unit and words spelled out instead of using...</p>				
Type	extension of xs:decimal				
Properties	content: complex minOccurs: 1				
Attributes	QName	Type	Fixed	Default	Use
	unit	xs:string			required
	California Preservation Service Metadata Guidelines Represent the unit used to measure the physical item. Should be a physical unit and words spelled out instead of using abbreviations. For example: inches and centimeters.				

Element CollectionReference / DescriptionDocument / Assets / color

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines The color element describes whether the physical object made up of content that is black and white, color, or a mixture.				
Diagram	 <p>The color element describes whether the physical object made up of content that is black and white, color, or a mixture.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	xs:string				
Properties	content: simple				

Element CollectionReference / DescriptionDocument / Assets / hasParts

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines Describes the object's total number of parts. For example, "1 page" or "3 pages of 3."				

Diagram		
Type	xs:string	
Properties	content:	simple

Element CollectionReference / DescriptionDocument / Assets / additionalDescription

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines Additional descriptive notes about the object that do not fit into elements above.	
Diagram		
Type	xs:string	
Properties	content:	simple

Element CollectionReference / DescriptionDocument / Assets / AssetPart

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines The AssetPart element allows for grouping of the various parts in a record, allowing the representation of complex object.	
Diagram		
Properties	content:	complex
	maxOccurs:	1
Model	Instantiations+	
Children	Instantiations	
Instance	<pre><AssetPart xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <Instantiations relationship="">{1,unbounded}</Instantiations> </AssetPart></pre>	

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html	
Annotations	California Preservation Service Metadata Guidelines The Instantiations element allows for the grouping of all the instantiations for a given asset.	
Diagram		

Properties	content: complex				
	maxOccurs: unbounded				
Model	Instantiation+				
Children	Instantiation				
Instance	<pre><Instantiations relationship="" xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <Instantiation generation="">{1,unbounded}</Instantiation> </Instantiations></pre>				
Attributes	QName	Type	Fixed	Default	Use
	relationship				required

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html														
Diagram															
Properties	<table><tr><td>content:</td><td colspan="4">complex</td></tr><tr><td>maxOccurs:</td><td colspan="4">unbounded</td></tr></table>					content:	complex				maxOccurs:	unbounded			
content:	complex														
maxOccurs:	unbounded														
Model	fileName , fileSize , checksum , derivedFrom , Technical														
Children	Technical, checksum, derivedFrom, fileName, fileSize														
Instance	<pre><Instantiation generation="" xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <fileName>{1,1}</fileName> <fileSize unit="">{1,1}</fileSize> <checksum type="">{1,1}</checksum> <derivedFrom>{1,1}</derivedFrom> <Technical>{1,1}</Technical> </Instantiation></pre>														
Attributes	QName	Type	Fixed	Default	Use										
	generation	xs:string			required										
		California Preservation Service Metadata Guidelines													
		Represents the generation and use classification of the file. The most common values used will be Preservation and Access.													

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / fileName

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines Name of the digital file with the file extension.		
Diagram			
Type	extension of xs:string		
Properties	content:	complex	

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / fileSize

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines The size of the digital file as a decimal or a whole number only. Qualified by a file size unit attribute.				
Diagram					
Type	extension of xs:decimal				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	unit				optional
	California Preservation Service Metadata Guidelines Unit should contain the full name and not an abbreviation. For example: megabytes instead of MB.				

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / checksum

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines Contains the hash value of a checksum verification algorithm. Qualified by a type attribute.		
Diagram			
Type	extension of xs:string		
Properties	content:	complex	

Attributes	QName	Type	Fixed	Default	Use
	type				optional
		Represents the type of checksum algorithm used. For example: MD5			

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / derivedFrom

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines Refers to the source of instantiation. This will be designated by Physical Object for preservation master(s). For the access file(s), this will specify the file name it was derivated from.				
Diagram					
Type	xs:string				
Properties	content: simple				

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
-----------	--	--	--	--	--

Diagram	<p>fileFormat Type: xs:string Specifies the MIME type of the file.</p> <p>imageFormat Type: xs:string Specifies the encoding of the digital file. For example: JPEG2000</p> <p>resolutionWidth Type: extension of 'xs:nonNegativeInteger' Specifies the x dimensions of the digital file. Qualified with a unit.</p> <p>resolutionHeight Type: extension of 'xs:nonNegativeInteger' Specifies the y dimensions of the digital file. Qualified with a unit.</p> <p>colorSpace Type: restriction of 'xs:string' Specifies the type of color space used by the digital file. For example: YUV</p> <p>chromaSubsampling Type: restriction of 'xs:NMTOKEN' Specifies the Chroma Subsampling as a ratio in the format integer:integer:integer. For example 4:2:2. In the absence of...</p> <p>colorDepth Type: extension of 'xs:nonNegativeInteger' The bit depth per channel. Qualified with a unit.</p> <p>compressionMode Type: restriction of 'xs:string' Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or Unknown.</p> <p>additionalTechnicalNotes Type: xs:string Additional technical notes about the file that do not fit into elements above.</p>
Properties	content: complex
Model	fileFormat , imageFormat , resolutionWidth , resolutionHeight , colorSpace , chromaSubsampling{0,1} , colorDepth , compressionMode , additionalTechnicalNotes{0,1}
Children	additionalTechnicalNotes, chromaSubsampling, colorDepth, colorSpace, compressionMode, fileFormat, imageFormat, resolutionHeight, resolutionWidth
Instance	<pre> <Technical xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html"> <fileFormat>{1,1}</fileFormat> <imageFormat>{1,1}</imageFormat> <resolutionWidth unit="">{1,1}</resolutionWidth> <resolutionHeight unit="">{1,1}</resolutionHeight> <colorSpace>{1,1}</colorSpace> <chromaSubsampling>{0,1}</chromaSubsampling> <colorDepth unit="">{1,1}</colorDepth> <compressionMode>{1,1}</compressionMode> <additionalTechnicalNotes>{0,1}</additionalTechnicalNotes> </Technical> </pre>

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / fileFormat

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines Specifies the MIME type of the file.
Diagram	<p>fileFormat Type: xs:string Specifies the MIME type of the file.</p> <p>xs:string Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	xs:string
Properties	content: simple

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / imageFormat

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines Specifies the encoding of the digital file. For example: JPEG2000		
Diagram			
Type	xs:string		
Properties	content: simple		

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionWidth

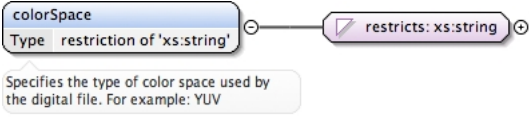
Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html																								
Annotations	California Preservation Service Metadata Guidelines Specifies the x dimensions of the digital file. Qualified with a unit.																								
Diagram	<p>The diagram illustrates the structure of the <code>resolutionWidth</code> element. It is a complex content type that extends <code>xs:nonNegativeInteger</code>. A callout box explains that <code>resolutionWidth</code> specifies the x dimensions of the digital file, qualified with a unit. Another callout box explains that <code>xs:nonNegativeInteger</code> is a built-in derived type, where the <code>nonNegativeInteger</code> datatype is derived from <code>integer</code> by setting the value of <code>minInclusive</code> to 0. A third callout box shows the <code>unit</code> attribute, which is of type <code>xs:string</code> and is almost always pixels.</p>																								
Type	extension of <code>xs:nonNegativeInteger</code>																								
Properties	content: complex																								
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr></thead><tbody><tr><td><code>unit</code></td><td><code>xs:string</code></td><td></td><td></td><td>required</td></tr></tbody></table>	QName	Type	Fixed	Default	Use	<code>unit</code>	<code>xs:string</code>			required	<table><tbody><tr><td colspan="5">California Preservation Service Metadata Guidelines</td></tr><tr><td colspan="5">Almost always pixels.</td></tr></tbody></table>				California Preservation Service Metadata Guidelines					Almost always pixels.				
QName	Type	Fixed	Default	Use																					
<code>unit</code>	<code>xs:string</code>			required																					
California Preservation Service Metadata Guidelines																									
Almost always pixels.																									

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionHeight

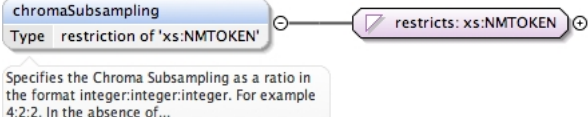
Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html		
Annotations	California Preservation Service Metadata Guidelines Specifies the y dimensions of the digital file. Qualified with a unit.		
Diagram			

Type	extension of xs:nonNegativeInteger				
Properties	content:	complex			
Attributes	QName	Type	Fixed	Default	Use
	unit	xs:string			required
	California Preservation Service Metadata Guidelines Almost always pixels.				

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / colorSpace

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	Specifies the type of color space used by the digital file.				
	For example: YUV				
Diagram	 <p>Specifies the type of color space used by the digital file. For example: YUV</p>				
Type	xs:string				
Properties	content:	simple			
	minOccurs:	1			

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / chromaSubsampling

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	Specifies the Chroma Subsampling as a ratio in the format integer:integer:integer. For example 4:2:2.				
	In the absence of subsampling, the value of this element is 4:4:4.				
Diagram	 <p>Specifies the Chroma Subsampling as a ratio in the format integer:integer:integer. For example 4:2:2. In the absence of...</p>				
Type	restriction of xs:NMTOKEN				
Properties	content:	simple			
	minOccurs:	0			
Facets	pattern	(\c+) & (\d+:\d+:\d+)			

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / colorDepth

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines				
	The bit depth per channel. Qualified with a unit.				

Diagram	<p>The diagram shows a box for colorDepth with the text "Type extension of 'xs:nonNegativeInteger'" and "The bit depth per channel. Qualified with a unit." It is connected to a box for xs:nonNegativeInteger with the text "Built-in derived type. The nonNegativeInteger datatype is derived from integer by setting the value of minInclusive to...". A callout box labeled attributes contains a box for unit with the text "Type xs:string" and "Almost always bits.".</p>				
Type	extension of xs:nonNegativeInteger				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	unit	xs:string			required
	California Preservation Service Metadata Guidelines Almost always bits.				

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / compressionMode

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or Unknown.				
Diagram	<p>The diagram shows a box for compressionMode with the text "Type restriction of 'xs:string'" and "Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or Unknown." It is connected to a box for restricts: xs:string.</p>				
Type	restriction of xs:string				
Properties	content: simple				
Facets	enumeration	Lossless			
	enumeration	Lossy			
	enumeration	Uncompressed			
	enumeration	Unknown			

Element CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / additionalTechnicalNotes

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html				
Annotations	California Preservation Service Metadata Guidelines Additional technical notes about the file that do not fit into elements above.				
Diagram	<p>The diagram shows a box for additionalTechnicalNotes with the text "Type xs:string" and "Additional technical notes about the file that do not fit into elements above." It is connected to a box for xs:string with the text "Built-in primitive type. The string datatype represents character strings in XML.".</p>				
Type	xs:string				
Properties	content:	simple			
	minOccurs:	0			

Namespace: ""**Attribute(s)****Attribute CollectionReference / DescriptionDocument / DublinCore / date / @type**

Namespace	No namespace
Annotations	California Preservation Service Metadata Guidelines Type of date. For example: "created" or "published"
Properties	default: created
Used by	Element CollectionReference/DescriptionDocument/DublinCore/date

Attribute CollectionReference / DescriptionDocument / DublinCore / identifier / @type

Namespace	No namespace
Annotations	California Preservation Service Metadata Guidelines The type of the identifier. For example "call number" or "barcode"
Used by	Element CollectionReference/DescriptionDocument/DublinCore/identifier

Attribute CollectionReference / DescriptionDocument / DublinCore / source / @url

Namespace	No namespace
Type	restriction of xs:anyURI
Properties	content: simple
Facets	pattern https?://.+
Used by	Element CollectionReference/DescriptionDocument/DublinCore/source

Attribute CollectionReference / DescriptionDocument / DublinCore / source / @type

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element CollectionReference/DescriptionDocument/DublinCore/source

Attribute CollectionReference / DescriptionDocument / DublinCore / coverage / @type

Namespace	No namespace
Annotations	The type of coverage. Please use either temporal or spacial.
Type	xs:string
Properties	content: simple
Used by	Element CollectionReference/DescriptionDocument/DublinCore/coverage

Attribute CollectionReference / DescriptionDocument / Assets / dimensionsHeight / @unit

Namespace	No namespace
Annotations	California Preservation Service Metadata Guidelines Represent the unit used to measure the physical item. Should be a physical unit and words spelled out instead of using abbreviations. For example: inches and centimeters.

Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/dimensionsHeight

Attribute CollectionReference / DescriptionDocument / Assets / dimensionsWidth / @unit

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Represent the unit used to measure the physical item. Should be a physical unit and words spelled out instead of using abbreviations. For example: inches and centimeters.	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/dimensionsWidth

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / fileSize / @unit

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Unit should contain the full name and not an abbreviation. For example: megabytes instead of MB.	
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/fileSize

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / checksum / @type

Namespace	No namespace	
Annotations	Represents the type of checksum algorithm used. For example: MD5	
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/checksum

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionWidth / @unit

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Almost always pixels.	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/Technical/resolutionWidth

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / resolutionHeight / @unit

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Almost always pixels.	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/Technical/resolutionHeight

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / Technical / colorDepth / @unit

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Almost always bits.	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/Technical/colorDepth

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / Instantiation / @generation

Namespace	No namespace	
Annotations	California Preservation Service Metadata Guidelines Represents the generation and use classification of the file. The most common values used will be Preservation and Access.	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation

Attribute CollectionReference / DescriptionDocument / Assets / AssetPart / Instantiations / @relationship

Namespace	No namespace	
Properties	use:	required
Used by	Element	CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations

Attribute CollectionReference / @collectionSource

Namespace	No namespace	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference

Attribute CollectionReference / @projectSource

Namespace	No namespace	
Type	xs:string	
Properties	use:	required
Used by	Element	CollectionReference