Schema documentation for CAPPDC.xsd

july 1, 2015

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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	`<CollectionReference collectionSource="" projectSource="" xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html">`
	  `<DescriptionDocument>{1,1}</DescriptionDocument>`
	`</CollectionReference>`

QName	Type	Fixed	Default	Use
collectionSource	xs:string			required
projectSource	xs:string			required

Source	

```
<xs:element name="CollectionReference">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DescriptionDocument">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The DescriptionDocument element allows grouping of the Dublin Core metadata and the
 metadata about the assets being represented.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DublinCore">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The DublinCore element wraps the elements found in the generic Dublin Core scheme and
 represents the content of the object.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="title" maxOccurs="unbounded" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Main or supplied title of the object.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="unbounded" minOccurs="0" name="creator" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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. Format: Last Name, First Name. Please use controlled vocabulary if applicable.
 Please use one name per creator element. This element is a required field. Vocabulary: Library of
 Congress Name Authority File http://authorities.loc.gov/</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="unbounded" minOccurs="0" name="subject" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Please use one subject per element. Please use controlled vocabulary
 if applicable. 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</
xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element minOccurs="0" name="description" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Description or content summary.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="unbounded" minOccurs="0" name="publisher" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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. 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/</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="unbounded" minOccurs="0" name="contributor"
 type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Person(s) or organization(s) responsible for contributing to an object. Format: Last
 Name, First Name. Please use one name per contributor element. Please use controlled vocabulary
 if applicable. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/</
xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="unbounded" minOccurs="0" name="date">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If
 unknown, enter "Unknown."</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:simpleContent>
                        <xs:extension base="xs:string">
                          <xs:attribute default="created" name="type">
                            <xs:annotation>
```

```xml
                            <xs:documentation source="California Preservation Service Metadata
Guidelines">Type of date. For example: "created" or "published"</xs:documentation>
                          </xs:annotation>
                        </xs:attribute>
                      </xs:extension>
                    </xs:simpleContent>
                  </xs:complexType>
                </xs:element>
                <xs:element minOccurs="1" name="type" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The nature or genre of the content of the object. Please use controlled vocabulary:
Text; Still Image.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element minOccurs="0" name="format" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual
work); Engraving (print); Lithograph; Manuscript (document genre); Map (document); Newspaper;
Photograph.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element maxOccurs="unbounded" minOccurs="0" name="identifier">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">An unambiguous reference to the resource within the institution. For example: Call
number or barcode. Qualified with the type attribute.</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:simpleContent>
                      <xs:extension base="xs:string">
                        <xs:attribute name="type">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata
Guidelines">The type of the indentifier. For example "call number" or "barcode"</xs:documentation>
                          </xs:annotation>
                        </xs:attribute>
                      </xs:extension>
                    </xs:simpleContent>
                  </xs:complexType>
                </xs:element>
                <xs:element maxOccurs="unbounded" name="source">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Name of owning institution.</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:simpleContent>
                      <xs:extension base="xs:string">
                        <xs:attribute name="url">
                          <xs:simpleType>
                            <xs:restriction base="xs:anyURI">
                              <xs:pattern value="https?://.+"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:attribute>
                        <xs:attribute name="type" type="xs:string" use="required"/>
                      </xs:extension>
                    </xs:simpleContent>
                  </xs:complexType>
                </xs:element>
                <xs:element maxOccurs="unbounded" minOccurs="0" name="language" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">A language of the intellectual content of the object. If English, enter "eng." Please
use controlled vocabulary. Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/
standards/iso639-2/php/code_list.php</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element maxOccurs="1" minOccurs="0" name="relation" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">List related Title(s) or Identifier(s) if object shares an intellectual bond with
another object or belongs in a series.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element maxOccurs="unbounded" minOccurs="1" name="coverage">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Identifies a span of time or space that is expressed by the intellectual content of
an object. Please use controlled vocabulary, if applicable. Vocabulary: Library of Congress Subject
```

```xml
 Headings: http://authorities.loc.gov/ Library of Congress Extended Date/Time Format https://
www.loc.gov/standards/datetime/pre-submission.html#datetime</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:simpleContent>
                            <xs:extension base="xs:string">
                              <xs:attribute name="type" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation>The type of coverage. Please use either temporal or
 spacial.</xs:documentation>
                                </xs:annotation>
                              </xs:attribute>
                            </xs:extension>
                          </xs:simpleContent>
                        </xs:complexType>
                      </xs:element>
                      <xs:element name="rights" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Information about rights held in and over the object. Three boilerplate statements
are supplied — amend the statements as needed: 1) Public domain. No restrictions on use. 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. 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. For more information, see project permission
guidelines.</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="Assets">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The Assets element allows grouping of PREMIS-like and technical metadata about the
record's physical object and object's digital surrogates.</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="objectID" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Unique object identifier to be supplied by the California Preservation Service.</
xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element name="projectID" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Project identifier be supplied by the California Preservation Service.</
xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element name="physicalLocation" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Name of owning institution.</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:choice>
                        <xs:sequence>
                          <xs:element name="dimensionsHeight" minOccurs="1">
                            <xs:annotation>
                              <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">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.</xs:documentation>
                            </xs:annotation>
                            <xs:complexType>
                              <xs:simpleContent>
```

```
                                        <xs:extension base="xs:decimal">
                                          <xs:attribute name="unit" type="xs:string" use="required">
                                            <xs:annotation>
                                              <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                                            </xs:annotation>
                                          </xs:attribute>
                                        </xs:extension>
                                      </xs:simpleContent>
                                    </xs:complexType>
                                  </xs:element>
                                  <xs:element name="dimensionsWidth" minOccurs="1">
                                    <xs:annotation>
                                      <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">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.</xs:documentation>
                                    </xs:annotation>
                                    <xs:complexType>
                                      <xs:simpleContent>
                                        <xs:extension base="xs:decimal">
                                          <xs:attribute name="unit" type="xs:string" use="required">
                                            <xs:annotation>
                                              <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                                            </xs:annotation>
                                          </xs:attribute>
                                        </xs:extension>
                                      </xs:simpleContent>
                                    </xs:complexType>
                                  </xs:element>
                                </xs:sequence>
                                <xs:sequence/>
                              </xs:choice>
                              <xs:element name="color" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The color element describes whether the physical object made up of content that is
 black and white, color, or a mixture.</xs:documentation>
                                </xs:annotation>
                              </xs:element>
                              <xs:element name="hasParts" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Describes the object's total number of parts. For example, "1 page" or "3 pages of
 3."</xs:documentation>
                                </xs:annotation>
                              </xs:element>
                              <xs:element name="additionalDescription" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Additional descriptive notes about the object that do not fit into elements above.</
xs:documentation>
                                </xs:annotation>
                              </xs:element>
                              <xs:element maxOccurs="1" name="AssetPart">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The AssetPart element allows for grouping of the various parts in a record, allowing
 the representation of complex object.</xs:documentation>
                                </xs:annotation>
                                <xs:complexType>
                                  <xs:sequence>
                                    <xs:element name="Instantiations" maxOccurs="unbounded">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">The Instantiations element allows for the grouping of all the
 instantiations for a given asset.</xs:documentation>
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:sequence>
                                          <xs:element name="Instantiation" maxOccurs="unbounded">
                                            <xs:complexType>
                                              <xs:sequence>
                                                <xs:element name="fileName">
                                                  <xs:annotation>
                                                    <xs:documentation source="California Preservation
 Service Metadata Guidelines" xml:lang="en">Name of the digital file with the file extension.</
xs:documentation>
```

```
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:simpleContent>
                                          <xs:extension base="xs:string">
                                          </xs:extension>
                                        </xs:simpleContent>
                                      </xs:complexType>
                                    </xs:element>
                                    <xs:element name="fileSize">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">The size of the digital file as a decimal or a whole number
only. Qualified by a file size unit attribute.</xs:documentation>
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:simpleContent>
                                          <xs:extension base="xs:decimal">
                                            <xs:attribute name="unit">
                                              <xs:annotation>
                                                <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Unit should contain the full name and not an
abbreviation. For example: megabytes instead of MB.</xs:documentation>
                                              </xs:annotation>
                                            </xs:attribute>
                                          </xs:extension>
                                        </xs:simpleContent>
                                      </xs:complexType>
                                    </xs:element>
                                    <xs:element name="checksum">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Contains the hash value of a checksum verification algorithm.
Qualified by a type attribute.</xs:documentation>
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:simpleContent>
                                          <xs:extension base="xs:string">
                                            <xs:attribute name="type">
                                              <xs:annotation>
                                                <xs:documentation>Represents the type of checksum
algorthim used. For example: MD5</xs:documentation>
                                              </xs:annotation>
                                            </xs:attribute>
                                          </xs:extension>
                                        </xs:simpleContent>
                                      </xs:complexType>
                                    </xs:element>
                                    <xs:element name="derivedFrom" type="xs:string">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                                      </xs:annotation>
                                    </xs:element>
                                    <xs:element name="Technical">
                                      <xs:complexType>
                                        <xs:sequence>
                                          <xs:element name="fileFormat" type="xs:string">
                                            <xs:annotation>
                                              <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
                                            </xs:annotation>
                                          </xs:element>
                                          <xs:element name="imageFormat" type="xs:string">
                                            <xs:annotation>
                                              <xs:documentation source="California Preservation
Service Metadata Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</
xs:documentation>
                                            </xs:annotation>
                                          </xs:element>
                                          <xs:element name="resolutionWidth">
                                            <xs:annotation>
                                              <xs:documentation source="California Preservation
Service Metadata Guidelines">Specifies the x dimensions of the digital file. Qualified with a
unit.</xs:documentation>
                                            </xs:annotation>
                                            <xs:complexType>
                                              <xs:simpleContent>
                                                <xs:extension base="xs:nonNegativeInteger">
                                                  <xs:attribute name="unit" use="required"
type="xs:string">
                                                    <xs:annotation>
```

```
                                          <xs:documentation source="California
Preservation Service Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:extension>
                                  </xs:simpleContent>
                                </xs:complexType>
                              </xs:element>
                              <xs:element name="resolutionHeight">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Specifies the y dimensions of the digital file.
Qualified with a unit.</xs:documentation>
                                </xs:annotation>
                                <xs:complexType>
                                  <xs:simpleContent>
                                    <xs:extension base="xs:nonNegativeInteger">
                                      <xs:attribute name="unit" use="required"
type="xs:string">
                                        <xs:annotation>
                                          <xs:documentation source="California
Preservation Service Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:extension>
                                  </xs:simpleContent>
                                </xs:complexType>
                              </xs:element>
                              <xs:element minOccurs="1" name="colorSpace">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Specifies the type of color space used by the digital
file. For example: YUV</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                  <xs:restriction base="xs:string"/>
                                </xs:simpleType>
                              </xs:element>
                              <xs:element minOccurs="0" name="chromaSubsampling">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                  <xs:restriction base="xs:NMTOKEN">
                                    <xs:pattern value="\d+:\d+:\d+"/>
                                  </xs:restriction>
                                </xs:simpleType>
                              </xs:element>
                              <xs:element name="colorDepth">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">The bit depth per channel. Qualified with a unit.</
xs:documentation>
                                </xs:annotation>
                                <xs:complexType>
                                  <xs:simpleContent>
                                    <xs:extension base="xs:nonNegativeInteger">
                                      <xs:attribute name="unit" type="xs:string"
use="required">
                                        <xs:annotation>
                                          <xs:documentation source="California
Preservation Service Metadata Guidelines">Almost always bits.</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:extension>
                                  </xs:simpleContent>
                                </xs:complexType>
                              </xs:element>
                              <xs:element name="compressionMode">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Designates the type of compression. Please use only
Lossless, Lossy, Uncompressed, or Unknown.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                  <xs:restriction base="xs:string">
                                    <xs:enumeration value="Lossless"/>
                                    <xs:enumeration value="Lossy"/>
                                    <xs:enumeration value="Uncompressed"/>
                                    <xs:enumeration value="Unknown"/>
```

```
                                              </xs:restriction>
                                            </xs:simpleType>
                                          </xs:element>
                                          <xs:element minOccurs="0" name="additionalTechnicalNotes"
  type="xs:string">
                                              <xs:annotation>
                                                <xs:documentation source="California Preservation
  Service Metadata Guidelines">Additional techincal notes about the file that do not fit into
  elements above.</xs:documentation>
                                              </xs:annotation>
                                          </xs:element>
                                        </xs:sequence>
                                      </xs:complexType>
                                    </xs:element>
                                  </xs:sequence>
                                  <xs:attribute name="generation" type="xs:string" use="required">
                                    <xs:annotation>
                                      <xs:documentation source="California Preservation Service
  Metadata Guidelines" xml:lang="en">Represents the generation and use classification of the file.
  The most common values used will be Preservation and Access.</xs:documentation>
                                    </xs:annotation>
                                  </xs:attribute>
                                </xs:complexType>
                              </xs:element>
                            </xs:sequence>
                            <xs:attribute name="relationship" use="required"/>
                          </xs:complexType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="collectionSource" use="required" type="xs:string"/>
    <xs:attribute name="projectSource" use="required" type="xs:string"/>
  </xs:complexType>
</xs:element>
```

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	
Properties	content: complex
Model	DublinCore , Assets
Children	Assets, DublinCore

Instance	`<DescriptionDocument xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html">`
	`  <DublinCore>{1,1}</DublinCore>`
	`  <Assets>{1,1}</Assets>`
	`</DescriptionDocument>`

Source	`<xs:element name="DescriptionDocument">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The DescriptionDocument element allows grouping of the Dublin Core metadata and the metadata about the assets being represented.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`    <xs:sequence>`
	`      <xs:element name="DublinCore">`

```
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The DublinCore element wraps the elements found in the generic Dublin Core scheme and
represents the content of the object.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="title" maxOccurs="unbounded" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Main or supplied title of the object.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="creator" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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. Format: Last Name, First Name. Please use controlled vocabulary if applicable.
Please use one name per creator element. This element is a required field. Vocabulary: Library of
Congress Name Authority File http://authorities.loc.gov/</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="subject" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Please use one subject per element. Please use controlled vocabulary if
applicable. 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</
xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element minOccurs="0" name="description" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Description or content summary.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="publisher" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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. 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/</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="contributor" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Person(s) or organization(s) responsible for contributing to an object. Format: Last
Name, First Name. Please use one name per contributor element. Please use controlled vocabulary
if applicable. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/</
xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="date">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If
unknown, enter "Unknown."</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:string">
                    <xs:attribute default="created" name="type">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata
Guidelines">Type of date. For example: "created" or "published"</xs:documentation>
                      </xs:annotation>
                    </xs:attribute>
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element minOccurs="1" name="type" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The nature or genre of the content of the object. Please use controlled vocabulary:
Text; Still Image.</xs:documentation>
              </xs:annotation>
            </xs:element>
```

```xml
                    <xs:element minOccurs="0" name="format" type="xs:string">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual
 work); Engraving (print); Lithograph; Manuscript (document genre); Map (document); Newspaper;
 Photograph.</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element maxOccurs="unbounded" minOccurs="0" name="identifier">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">An unambiguous reference to the resource within the institution. For example: Call
 number or barcode. Qualified with the type attribute.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="type">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
 Guidelines">The type of the indentifier. For example "call number" or "barcode"</xs:documentation>
                              </xs:annotation>
                            </xs:attribute>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element maxOccurs="unbounded" name="source">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Name of owning institution.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="url">
                              <xs:simpleType>
                                <xs:restriction base="xs:anyURI">
                                  <xs:pattern value="https?://.+"/>
                                </xs:restriction>
                              </xs:simpleType>
                            </xs:attribute>
                            <xs:attribute name="type" type="xs:string" use="required"/>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element maxOccurs="unbounded" minOccurs="0" name="language" type="xs:string">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">A language of the intellectual content of the object. If English, enter "eng." Please
 use controlled vocabulary. Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/
 standards/iso639-2/php/code_list.php</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element maxOccurs="1" minOccurs="0" name="relation" type="xs:string">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">List related Title(s) or Identifier(s) if object shares an intellectual bond with
 another object or belongs in a series.</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element maxOccurs="unbounded" minOccurs="1" name="coverage">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Identifies a span of time or space that is expressed by the intellectual content of
 an object. Please use controlled vocabulary, if applicable. 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</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="type" type="xs:string">
                              <xs:annotation>
                                <xs:documentation>The type of coverage. Please use either temporal or
 spacial.</xs:documentation>
                              </xs:annotation>
                            </xs:attribute>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
```

```xml
        <xs:element name="rights" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Information about rights held in and over the object. Three boilerplate statements
are supplied — amend the statements as needed: 1) Public domain. No restrictions on use. 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. 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. For more information, see project permission
guidelines.</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Assets">
    <xs:annotation>
      <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The Assets element allows grouping of PREMIS-like and technical metadata about the
record's physical object and object's digital surrogates.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="objectID" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Unique object identifier to be supplied by the California Preservation Service.</
xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="projectID" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Project identifier be supplied by the California Preservation Service.</
xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="physicalLocation" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Name of owning institution.</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:choice>
          <xs:sequence>
            <xs:element name="dimensionsHeight" minOccurs="1">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:decimal">
                    <xs:attribute name="unit" type="xs:string" use="required">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">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.</xs:documentation>
                      </xs:annotation>
                    </xs:attribute>
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="dimensionsWidth" minOccurs="1">
              <xs:annotation>
```

```
                        <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:decimal">
                            <xs:attribute name="unit" type="xs:string" use="required">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">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.</xs:documentation>
                              </xs:annotation>
                            </xs:attribute>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                  </xs:sequence>
                  <xs:sequence/>
                </xs:choice>
                <xs:element name="color" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The color element describes whether the physical object made up of content that is
black and white, color, or a mixture.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element name="hasParts" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Describes the object's total number of parts. For example, "1 page" or "3 pages of
3."</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element name="additionalDescription" type="xs:string">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Additional descriptive notes about the object that do not fit into elements above.</
xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element maxOccurs="1" name="AssetPart">
                  <xs:annotation>
                    <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The AssetPart element allows for grouping of the various parts in a record, allowing
the representation of complex object.</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="Instantiations" maxOccurs="unbounded">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The Instantiations element allows for the grouping of all the instantations for a
given asset.</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:sequence>
                            <xs:element name="Instantiation" maxOccurs="unbounded">
                              <xs:complexType>
                                <xs:sequence>
                                  <xs:element name="fileName">
                                    <xs:annotation>
                                      <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Name of the digital file with the file extension.</xs:documentation>
                                    </xs:annotation>
                                    <xs:complexType>
                                      <xs:simpleContent>
                                        <xs:extension base="xs:string">
                                        </xs:extension>
                                      </xs:simpleContent>
                                    </xs:complexType>
                                  </xs:element>
                                  <xs:element name="fileSize">
                                    <xs:annotation>
                                      <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">The size of the digital file as a decimal or a whole number only.
Qualified by a file size unit attribute.</xs:documentation>
                                    </xs:annotation>
                                    <xs:complexType>
                                      <xs:simpleContent>
```

```
                                    <xs:extension base="xs:decimal">
                                      <xs:attribute name="unit">
                                        <xs:annotation>
                                          <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">Unit should contain the full name and not an abbreviation. For
 example: megabytes instead of MB.</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:extension>
                                  </xs:simpleContent>
                                </xs:complexType>
                              </xs:element>
                              <xs:element name="checksum">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Contains the hash value of a checksum verification algorithm. Qualified
 by a type attribute.</xs:documentation>
                                </xs:annotation>
                                <xs:complexType>
                                  <xs:simpleContent>
                                    <xs:extension base="xs:string">
                                      <xs:attribute name="type">
                                        <xs:annotation>
                                          <xs:documentation>Represents the type of checksum
 algorthim used. For example: MD5</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:extension>
                                  </xs:simpleContent>
                                </xs:complexType>
                              </xs:element>
                              <xs:element name="derivedFrom" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">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.</xs:documentation>
                                </xs:annotation>
                              </xs:element>
                              <xs:element name="Technical">
                                <xs:complexType>
                                  <xs:sequence>
                                    <xs:element name="fileFormat" type="xs:string">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
                                      </xs:annotation>
                                    </xs:element>
                                    <xs:element name="imageFormat" type="xs:string">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation
 Service Metadata Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</
xs:documentation>
                                      </xs:annotation>
                                    </xs:element>
                                    <xs:element name="resolutionWidth">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
 Metadata Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:simpleContent>
                                          <xs:extension base="xs:nonNegativeInteger">
                                            <xs:attribute name="unit" use="required"
 type="xs:string">
                                              <xs:annotation>
                                                <xs:documentation source="California Preservation
 Service Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                              </xs:annotation>
                                            </xs:attribute>
                                          </xs:extension>
                                        </xs:simpleContent>
                                      </xs:complexType>
                                    </xs:element>
                                    <xs:element name="resolutionHeight">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a
 unit.</xs:documentation>
                                      </xs:annotation>
                                      <xs:complexType>
                                        <xs:simpleContent>
```

```xml
                                              <xs:extension base="xs:nonNegativeInteger">
                                                <xs:attribute name="unit" use="required"
type="xs:string">
                                                  <xs:annotation>
                                                    <xs:documentation source="California Preservation
Service Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                                  </xs:annotation>
                                                </xs:attribute>
                                              </xs:extension>
                                            </xs:simpleContent>
                                          </xs:complexType>
                                        </xs:element>
                                        <xs:element minOccurs="1" name="colorSpace">
                                          <xs:annotation>
                                            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Specifies the type of color space used by the digital file. For
example: YUV</xs:documentation>
                                          </xs:annotation>
                                          <xs:simpleType>
                                            <xs:restriction base="xs:string"/>
                                          </xs:simpleType>
                                        </xs:element>
                                        <xs:element minOccurs="0" name="chromaSubsampling">
                                          <xs:annotation>
                                            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                                          </xs:annotation>
                                          <xs:simpleType>
                                            <xs:restriction base="xs:NMTOKEN">
                                              <xs:pattern value="\d+:\d+:\d+"/>
                                            </xs:restriction>
                                          </xs:simpleType>
                                        </xs:element>
                                        <xs:element name="colorDepth">
                                          <xs:annotation>
                                            <xs:documentation source="California Preservation
 Service Metadata Guidelines" xml:lang="en">The bit depth per channel. Qualified with a unit.</
xs:documentation>
                                          </xs:annotation>
                                          <xs:complexType>
                                            <xs:simpleContent>
                                              <xs:extension base="xs:nonNegativeInteger">
                                                <xs:attribute name="unit" type="xs:string"
use="required">
                                                  <xs:annotation>
                                                    <xs:documentation source="California Preservation
 Service Metadata Guidelines">Almost always bits.</xs:documentation>
                                                  </xs:annotation>
                                                </xs:attribute>
                                              </xs:extension>
                                            </xs:simpleContent>
                                          </xs:complexType>
                                        </xs:element>
                                        <xs:element name="compressionMode">
                                          <xs:annotation>
                                            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Designates the type of compression. Please use only Lossless,
Lossy, Uncompressed, or Unknown.</xs:documentation>
                                          </xs:annotation>
                                          <xs:simpleType>
                                            <xs:restriction base="xs:string">
                                              <xs:enumeration value="Lossless"/>
                                              <xs:enumeration value="Lossy"/>
                                              <xs:enumeration value="Uncompressed"/>
                                              <xs:enumeration value="Unknown"/>
                                            </xs:restriction>
                                          </xs:simpleType>
                                        </xs:element>
                                        <xs:element minOccurs="0" name="additionalTechnicalNotes"
type="xs:string">
                                          <xs:annotation>
                                            <xs:documentation source="California Preservation Service
Metadata Guidelines">Additional techincal notes about the file that do not fit into elements
above.</xs:documentation>
                                          </xs:annotation>
                                        </xs:element>
                                      </xs:sequence>
                                    </xs:complexType>
                                  </xs:element>
                                </xs:sequence>
                                <xs:attribute name="generation" type="xs:string" use="required">
```
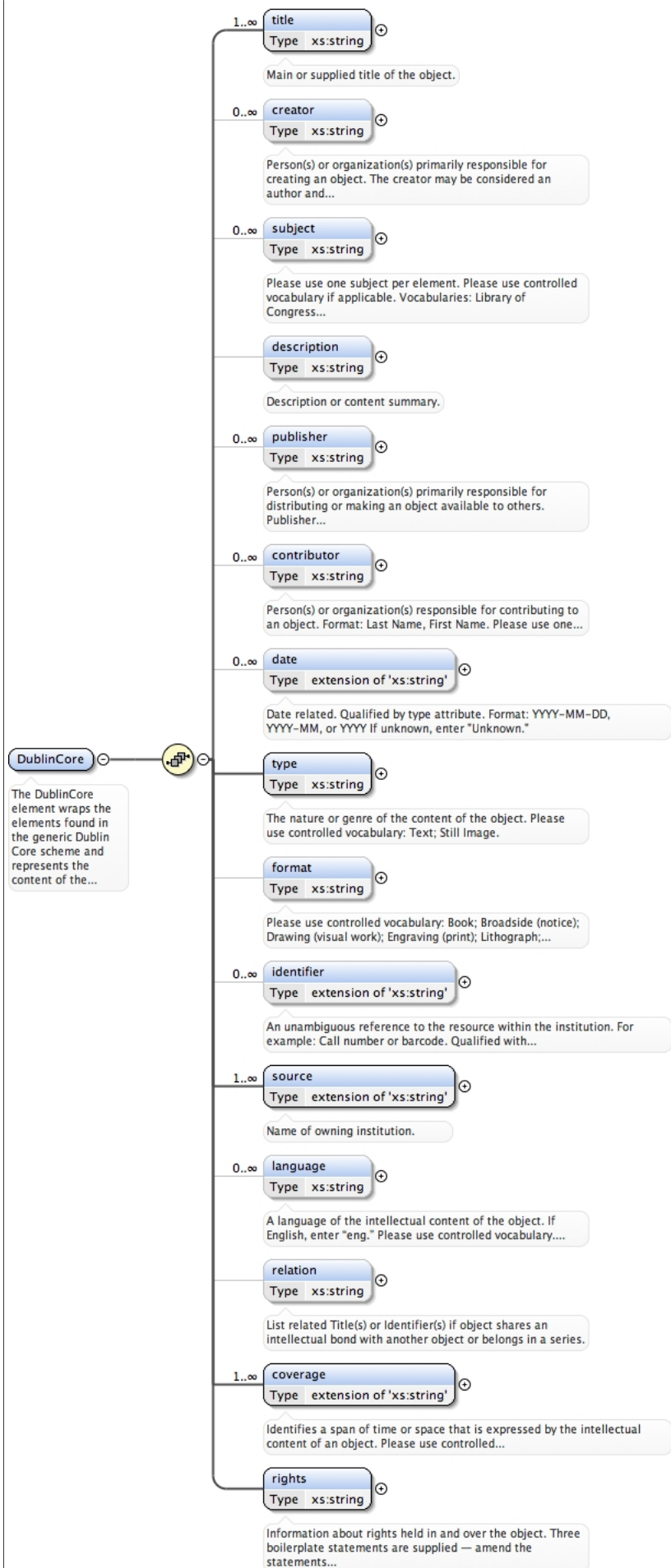
```
                                        <xs:annotation>
                                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Represents the generation and use classification of the file. The most
 common values used will be Preservation and Access.</xs:documentation>
                                        </xs:annotation>
                                      </xs:attribute>
                                    </xs:complexType>
                                  </xs:element>
                                </xs:sequence>
                                <xs:attribute name="relationship" use="required"/>
                              </xs:complexType>
                            </xs:element>
                          </xs:sequence>
                        </xs:complexType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
</xs:element>
```

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

DublinCore

The DublinCore element wraps the elements found in the generic Dublin Core scheme and represents the content of the...

title — 1..∞
Type xs:string
Main or supplied title of the object.

creator — 0..∞
Type xs:string
Person(s) or organization(s) primarily responsible for creating an object. The creator may be considered an author and...

subject — 0..∞
Type xs:string
Please use one subject per element. Please use controlled vocabulary if applicable. Vocabularies: Library of Congress...

description
Type xs:string
Description or content summary.

publisher — 0..∞
Type xs:string
Person(s) or organization(s) primarily responsible for distributing or making an object available to others. Publisher...

contributor — 0..∞
Type xs:string
Person(s) or organization(s) responsible for contributing to an object. Format: Last Name, First Name. Please use one...

date — 0..∞
Type extension of 'xs:string'
Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If unknown, enter "Unknown."

type
Type xs:string
The nature or genre of the content of the object. Please use controlled vocabulary: Text; Still Image.

format
Type xs:string
Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual work); Engraving (print); Lithograph;...

identifier — 0..∞
Type extension of 'xs:string'
An unambiguous reference to the resource within the institution. For example: Call number or barcode. Qualified with...

source — 1..∞
Type extension of 'xs:string'
Name of owning institution.

language — 0..∞
Type xs:string
A language of the intellectual content of the object. If English, enter "eng." Please use controlled vocabulary....

relation
Type xs:string
List related Title(s) or Identifier(s) if object shares an intellectual bond with another object or belongs in a series.

coverage — 1..∞
Type extension of 'xs:string'
Identifies a span of time or space that is expressed by the intellectual content of an object. Please use controlled...

rights
Type xs:string
Information about rights held in and over the object. Three boilerplate statements are supplied — amend the statements...

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	<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>

Source:

```
<xs:element name="DublinCore">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The
DublinCore element wraps the elements found in the generic Dublin Core scheme and represents the
content of the object.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="title" maxOccurs="unbounded" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Main or supplied title of the object.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="creator" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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. Format: Last Name, First Name. Please use controlled vocabulary if applicable.
Please use one name per creator element. This element is a required field. Vocabulary: Library of
Congress Name Authority File http://authorities.loc.gov/</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="subject" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Please use one subject per element. Please use controlled vocabulary if
applicable. 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</
xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element minOccurs="0" name="description" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Description or content summary.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="publisher" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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. 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/</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="contributor" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Person(s) or organization(s) responsible for contributing to an object. Format: Last
Name, First Name. Please use one name per contributor element. Please use controlled vocabulary
if applicable. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/</
xs:documentation>
        </xs:annotation>
      </xs:element>
```

```xml
      <xs:element maxOccurs="unbounded" minOccurs="0" name="date">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If
unknown, enter "Unknown."</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute default="created" name="type">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata
Guidelines">Type of date. For example: "created" or "published"</xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element minOccurs="1" name="type" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The nature or genre of the content of the object. Please use controlled vocabulary:
Text; Still Image.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element minOccurs="0" name="format" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual
work); Engraving (print); Lithograph; Manuscript (document genre); Map (document); Newspaper;
Photograph.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="identifier">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">An unambiguous reference to the resource within the institution. For example: Call
number or barcode. Qualified with the type attribute.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="type">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines">The
type of the indentifier. For example "call number" or "barcode"</xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element maxOccurs="unbounded" name="source">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Name of owning institution.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="url">
                <xs:simpleType>
                  <xs:restriction base="xs:anyURI">
                    <xs:pattern value="https?://.+"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:attribute>
              <xs:attribute name="type" type="xs:string" use="required"/>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="language" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">A language of the intellectual content of the object. If English, enter "eng." Please
use controlled vocabulary. Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/
standards/iso639-2/php/code_list.php</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="1" minOccurs="0" name="relation" type="xs:string">
        <xs:annotation>
```

```
        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">List related Title(s) or Identifier(s) if object shares an intellectual bond with
another object or belongs in a series.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="1" name="coverage">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Identifies a span of time or space that is expressed by the intellectual content of
 an object. Please use controlled vocabulary, if applicable. 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</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="type" type="xs:string">
                <xs:annotation>
                  <xs:documentation>The type of coverage. Please use either temporal or spacial.</
xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="rights" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Information about rights held in and over the object. Three boilerplate statements
 are supplied — amend the statements as needed: 1) Public domain. No restrictions on use. 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. 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. For more information, see project permission
 guidelines.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Element `CollectionReference / DescriptionDocument / DublinCore / title`

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines `Main or supplied title of the object.`
Diagram	
Type	xs:string
Properties	content: simple maxOccurs: unbounded
Source	```<xs:element name="title" maxOccurs="unbounded" type="xs:string">` ` <xs:annotation>` ` <xs:documentation source="California Preservation Service Metadata Guidelines"` ` xml:lang="en">Main or supplied title of the object.</xs:documentation>` ` </xs:annotation>` `</xs:element>```

Element `CollectionReference / DescriptionDocument / DublinCore / creator`

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

Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="creator" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`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. Format: Last Name, First Name. Please use controlled vocabulary if applicable. Please use one name per creator element. This element is a required field. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/`</xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

Element `CollectionReference / DescriptionDocument / DublinCore / subject`

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines Please use one subject per element. Please use controlled vocabulary if applicable. 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
Diagram	subject Type xs:string Please use one subject per element. Please use controlled vocabulary if applicable. Vocabularies: Library of Congress... xs:string Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="subject" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`Please use one subject per element. Please use controlled vocabulary if applicable. 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`</xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

Element `CollectionReference / DescriptionDocument / DublinCore / description`

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

Source	`<xs:element minOccurs="0" name="description" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines"`
	` xml:lang="en">Description or content summary.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element `CollectionReference / DescriptionDocument / DublinCore / publisher`

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

Annotations	California Preservation Service Metadata Guidelines
	
	`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.`
	
	`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/`

Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="publisher" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines"`
	` xml:lang="en">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. 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/</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element `CollectionReference / DescriptionDocument / DublinCore / contributor`

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

Annotations	California Preservation Service Metadata Guidelines
	
	`Person(s) or organization(s) responsible for contributing to an object.`
	
	`Format: Last Name, First Name.`
	`Please use one name per contributor element.`
	`Please use controlled vocabulary if applicable.`

	Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/
Diagram	contributor Type xs:string xs:string Built-in primitive type. The string datatype represents character strings in XML. Person(s) or organization(s) responsible for contributing to an object. Format: Last Name, First Name. Please use one...
Type	xs:string

Properties		
	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded

Source	

	`<xs:element maxOccurs="unbounded" minOccurs="0" name="contributor" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	`xml:lang="en">`Person(s) or organization(s) responsible for contributing to an object. Format: Last Name, First Name. Please use one name per contributor element. Please use controlled vocabulary if applicable. Vocabulary: Library of Congress Name Authority File http://authorities.loc.gov/`</`
	`xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

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	xs:string Built-in primitive type. The string datatype represents character strings in XML. date Type extension of 'xs:string' Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If unknown, enter "Unknown." @ attributes @ type Default created Type of date. For example: "created" or "published"
Type	extension of xs:string

Properties		
	content:	complex
	minOccurs:	0
	maxOccurs:	unbounded

Attributes	QName	Type	Fixed	Default	Use
	type			created	optional
		California Preservation Service Metadata Guidelines Type of date. For example: "created" or "published"			

Source	

	`<xs:element maxOccurs="unbounded" minOccurs="0" name="date">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	`xml:lang="en">`Date related. Qualified by type attribute. Format: YYYY-MM-DD, YYYY-MM, or YYYY If unknown, enter "Unknown."`</xs:documentation>`
	  `</xs:annotation>`
	  `<xs:complexType>`
	    `<xs:simpleContent>`
	      `<xs:extension base="xs:string">`
	        `<xs:attribute default="created" name="type">`
	          `<xs:annotation>`
	            `<xs:documentation source="California Preservation Service Metadata Guidelines">`Type of date. For example: "created" or "published"`</xs:documentation>`
	          `</xs:annotation>`
	        `</xs:attribute>`
	      `</xs:extension>`

```
        </xs:simpleContent>
      </xs:complexType>
</xs:element>
```

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

Source	`<xs:element minOccurs="1" name="type" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The nature or genre of the content of the object. Please use controlled vocabulary: Text; Still Image.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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

Source	`<xs:element minOccurs="0" name="format" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Please use controlled vocabulary: Book; Broadside (notice); Drawing (visual work); Engraving (print); Lithograph; Manuscript (document genre); Map (document); Newspaper; Photograph.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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**	**Use**
	type				optional
		California Preservation Service Metadata Guidelines			
		The type of the indentifier. For example "call number" or "barcode"			

Source	

```xml
<xs:element maxOccurs="unbounded" minOccurs="0" name="identifier">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">An
 unambiguous reference to the resource within the institution. For example: Call number or barcode.
 Qualified with the type attribute.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="type">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines">The type
 of the indentifier. For example "call number" or "barcode"</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

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
Source	`<xs:element maxOccurs="unbounded" name="source">`				

```
    <xs:annotation>
      <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Name of owning institution.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:string">
          <xs:attribute name="url">
            <xs:simpleType>
              <xs:restriction base="xs:anyURI">
                <xs:pattern value="https?://.+"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
          <xs:attribute name="type" type="xs:string" use="required"/>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
</xs:element>
```

Element CollectionReference / DescriptionDocument / DublinCore / language

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines A language of the intellectual content of the object. If English, enter "eng." Please use controlled vocabulary. Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/standards/iso639-2/php/code_list.php
Diagram	language Type xs:string A language of the intellectual content of the object. If English, enter "eng." Please use controlled vocabulary.... xs:string Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="language" type="xs:string">` `  <xs:annotation>` ` <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">A language of the intellectual content of the object. If English, enter "eng." Please use controlled vocabulary. Vocabulary: ISO 639.2 Codes for Names of Languages http://www.loc.gov/standards/iso639-2/php/code_list.php</xs:documentation>` ` </xs:annotation>` `</xs:element>`

Element CollectionReference / DescriptionDocument / DublinCore / relation

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines List related Title(s) or Identifier(s) if object shares an intellectual bond with another object or belongs in a series.
Diagram	relation Type xs:string List related Title(s) or Identifier(s) if object shares an intellectual bond with another object or belongs in a series. xs:string Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1

| Source | ```<xs:element maxOccurs="1" minOccurs="0" name="relation" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">List related Title(s) or Identifier(s) if object shares an intellectual bond with
 another object or belongs in a series.</xs:documentation>
  </xs:annotation>
</xs:element>``` |
|---|---|

Element `CollectionReference / DescriptionDocument / DublinCore / coverage`

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines Identifies a span of time or space that is expressed by the intellectual content of an object. Please use controlled vocabulary, if applicable. 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
Diagram	
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.			

| Source | ```<xs:element maxOccurs="unbounded" minOccurs="1" name="coverage">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Identifies a span of time or space that is expressed by the intellectual content of
 an object. Please use controlled vocabulary, if applicable. 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</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
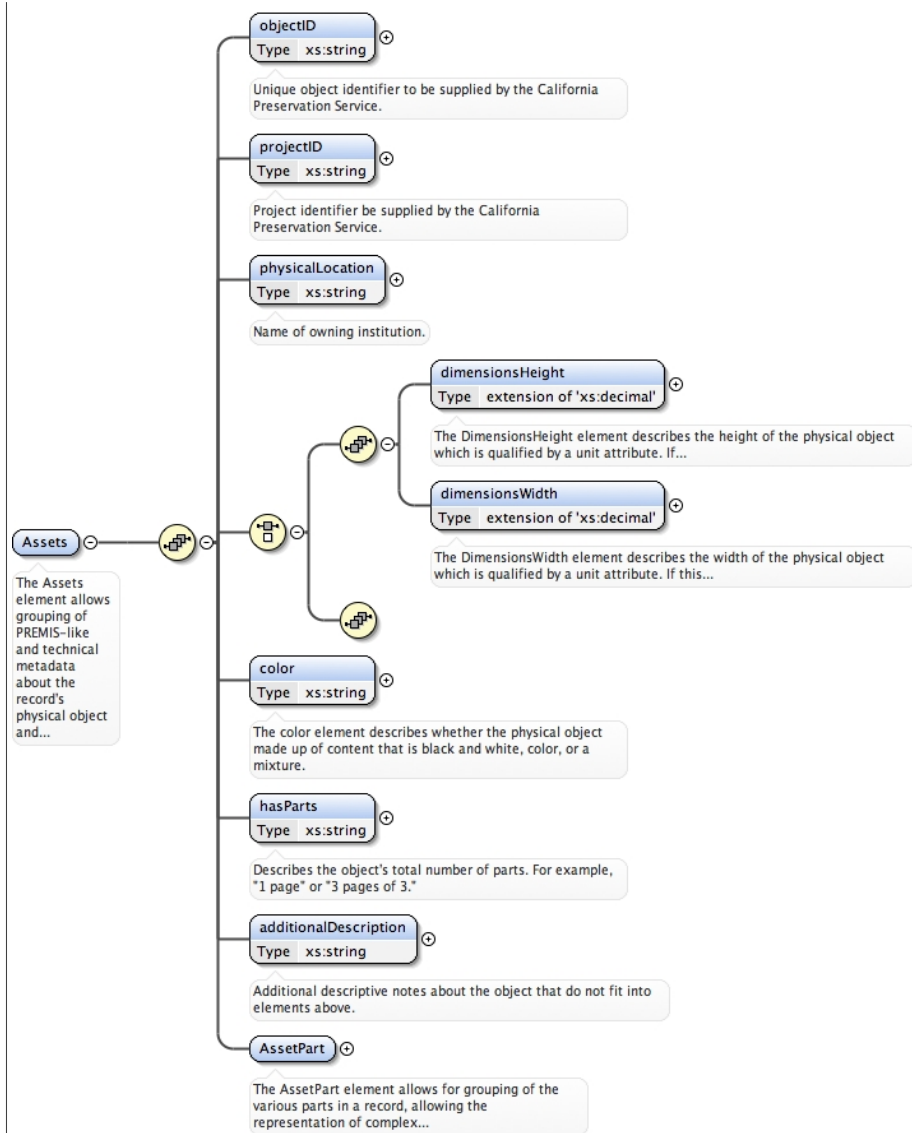   <xs:attribute name="type" type="xs:string">
          <xs:annotation>
            <xs:documentation>The type of coverage. Please use either temporal or spacial.</
xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>``` |
|---|---|

Element `CollectionReference / DescriptionDocument / DublinCore / rights`

Namespace	http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html
Annotations	California Preservation Service Metadata Guidelines Information about rights held in and over the object. Three boilerplate statements are supplied — amend the statements as needed:

	1) Public domain. No restrictions on use. 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. 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. For more information, see project permission guidelines.
Diagram	
Type	xs:string
Properties	content: simple
| Source | ```xml
<xs:element name="rights" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Information about rights held in and over the object. Three boilerplate statements
 are supplied — amend the statements as needed: 1) Public domain. No restrictions on use. 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. 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. For more information, see project permission
 guidelines.</xs:documentation>
  </xs:annotation>
</xs:element>
``` |

Element CollectionReference / DescriptionDocument / Assets

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

Diagram	

Diagram labels (as shown in the diagram):

objectID — Type xs:string
Unique object identifier to be supplied by the California Preservation Service.

projectID — Type xs:string
Project identifier be supplied by the California Preservation Service.

physicalLocation — Type xs:string
Name of owning institution.

dimensionsHeight — Type extension of 'xs:decimal'
The DimensionsHeight element describes the height of the physical object which is qualified by a unit attribute. If...

dimensionsWidth — Type extension of 'xs:decimal'
The DimensionsWidth element describes the width of the physical object which is qualified by a unit attribute. If this...

Assets
The Assets element allows grouping of PREMIS-like and technical metadata about the record's physical object and...

color — Type xs:string
The color element describes whether the physical object made up of content that is black and white, color, or a mixture.

hasParts — Type xs:string
Describes the object's total number of parts. For example, "1 page" or "3 pages of 3."

additionalDescription — Type xs:string
Additional descriptive notes about the object that do not fit into elements above.

AssetPart
The AssetPart element allows for grouping of the various parts in a record, allowing the representation of complex...

Properties	content: complex
Model	objectID , projectID , physicalLocation , ((dimensionsHeight , dimensionsWidth)	()) , color , hasParts , additionalDescription , AssetPart
Children	AssetPart, additionalDescription, color, dimensionsHeight, dimensionsWidth, hasParts, objectID, physicalLocation, projectID

Instance	

```
<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>
```

Source	

```
<xs:element name="Assets">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The
 Assets element allows grouping of PREMIS-like and technical metadata about the record's physical
 object and object's digital surrogates.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="objectID" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Unique object identifier to be supplied by the California Preservation Service.</
xs:documentation>
```

```
            </xs:annotation>
          </xs:element>
          <xs:element name="projectID" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Project identifier be supplied by the California Preservation Service.</
xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="physicalLocation" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Name of owning institution.</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:choice>
            <xs:sequence>
              <xs:element name="dimensionsHeight" minOccurs="1">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:decimal">
                      <xs:attribute name="unit" type="xs:string" use="required">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
                        </xs:annotation>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="dimensionsWidth" minOccurs="1">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:decimal">
                      <xs:attribute name="unit" type="xs:string" use="required">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
                        </xs:annotation>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
            <xs:sequence/>
          </xs:choice>
          <xs:element name="color" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The color element describes whether the physical object made up of content that is
black and white, color, or a mixture.</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="hasParts" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Describes the object's total number of parts. For example, "1 page" or "3 pages of
3."</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="additionalDescription" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Additional descriptive notes about the object that do not fit into elements above.</
xs:documentation>
```

```
                      </xs:annotation>
                  </xs:element>
               <xs:element maxOccurs="1" name="AssetPart">
                  <xs:annotation>
                     <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The AssetPart element allows for grouping of the various parts in a record, allowing
the representation of complex object.</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                     <xs:sequence>
                        <xs:element name="Instantiations" maxOccurs="unbounded">
                           <xs:annotation>
                              <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The Instantiations element allows for the grouping of all the instantations for a
given asset.</xs:documentation>
                           </xs:annotation>
                           <xs:complexType>
                              <xs:sequence>
                                 <xs:element name="Instantiation" maxOccurs="unbounded">
                                    <xs:complexType>
                                       <xs:sequence>
                                          <xs:element name="fileName">
                                             <xs:annotation>
                                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Name of the digital file with the file extension.</xs:documentation>
                                             </xs:annotation>
                                             <xs:complexType>
                                                <xs:simpleContent>
                                                   <xs:extension base="xs:string">
                                                   </xs:extension>
                                                </xs:simpleContent>
                                             </xs:complexType>
                                          </xs:element>
                                          <xs:element name="fileSize">
                                             <xs:annotation>
                                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">The size of the digital file as a decimal or a whole number only.
Qualified by a file size unit attribute.</xs:documentation>
                                             </xs:annotation>
                                             <xs:complexType>
                                                <xs:simpleContent>
                                                   <xs:extension base="xs:decimal">
                                                      <xs:attribute name="unit">
                                                         <xs:annotation>
                                                            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Unit should contain the full name and not an abbreviation. For
example: megabytes instead of MB.</xs:documentation>
                                                         </xs:annotation>
                                                      </xs:attribute>
                                                   </xs:extension>
                                                </xs:simpleContent>
                                             </xs:complexType>
                                          </xs:element>
                                          <xs:element name="checksum">
                                             <xs:annotation>
                                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Contains the hash value of a checksum verification algorithm. Qualified
by a type attribute.</xs:documentation>
                                             </xs:annotation>
                                             <xs:complexType>
                                                <xs:simpleContent>
                                                   <xs:extension base="xs:string">
                                                      <xs:attribute name="type">
                                                         <xs:annotation>
                                                            <xs:documentation>Represents the type of checksum algorthim
used. For example: MD5</xs:documentation>
                                                         </xs:annotation>
                                                      </xs:attribute>
                                                   </xs:extension>
                                                </xs:simpleContent>
                                             </xs:complexType>
                                          </xs:element>
                                          <xs:element name="derivedFrom" type="xs:string">
                                             <xs:annotation>
                                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">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.</xs:documentation>
                                             </xs:annotation>
                                          </xs:element>
                                          <xs:element name="Technical">
                                             <xs:complexType>
                                                <xs:sequence>
```

```
<xs:element name="fileFormat" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="imageFormat" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata
Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="resolutionWidth">
  <xs:annotation>
    <xs:documentation source="California Preservation Service
Metadata Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</
xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:nonNegativeInteger">
        <xs:attribute name="unit" use="required" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="resolutionHeight">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</
xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:nonNegativeInteger">
        <xs:attribute name="unit" use="required" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element minOccurs="1" name="colorSpace">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Specifies the type of color space used by the digital file. For example:
YUV</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string"/>
  </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="chromaSubsampling">
  <xs:annotation>
    <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">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.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:NMTOKEN">
      <xs:pattern value="\d+:\d+:\d+"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="colorDepth">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:nonNegativeInteger">
        <xs:attribute name="unit" type="xs:string" use="required">
          <xs:annotation>
```

```
                                        <xs:documentation source="California Preservation Service
Metadata Guidelines">Almost always bits.</xs:documentation>
                                      </xs:annotation>
                                    </xs:attribute>
                                  </xs:extension>
                                </xs:simpleContent>
                              </xs:complexType>
                            </xs:element>
                            <xs:element name="compressionMode">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy,
Uncompressed, or Unknown.</xs:documentation>
                              </xs:annotation>
                              <xs:simpleType>
                                <xs:restriction base="xs:string">
                                  <xs:enumeration value="Lossless"/>
                                  <xs:enumeration value="Lossy"/>
                                  <xs:enumeration value="Uncompressed"/>
                                  <xs:enumeration value="Unknown"/>
                                </xs:restriction>
                              </xs:simpleType>
                            </xs:element>
                            <xs:element minOccurs="0" name="additionalTechnicalNotes"
 type="xs:string">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
 Guidelines">Additional techincal notes about the file that do not fit into elements above.</
xs:documentation>
                              </xs:annotation>
                            </xs:element>
                          </xs:sequence>
                        </xs:complexType>
                      </xs:element>
                    </xs:sequence>
                    <xs:attribute name="generation" type="xs:string" use="required">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Represents the generation and use classification of the file. The most
 common values used will be Preservation and Access.</xs:documentation>
                      </xs:annotation>
                    </xs:attribute>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
              <xs:attribute name="relationship" use="required"/>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

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

Source	`<xs:element name="objectID" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines"`
	` xml:lang="en">Unique object identifier to be supplied by the California Preservation Service.</`
	`xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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

Source	```xml
	<xs:element name="projectID" type="xs:string">
	  <xs:annotation>
	    <xs:documentation source="California Preservation Service Metadata Guidelines"
	 xml:lang="en">Project identifier be supplied by the California Preservation Service.</
	xs:documentation>
	  </xs:annotation>
	</xs:element>
	``

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

Source	```xml
	<xs:element name="physicalLocation" type="xs:string">
	  <xs:annotation>
	    <xs:documentation source="California Preservation Service Metadata Guidelines"
	 xml:lang="en">Name of owning institution.</xs:documentation>
	  </xs:annotation>
	</xs:element>
	``

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.			

Source	

	`<xs:element name="dimensionsHeight" minOccurs="1">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`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.`</xs:documentation>`
	  `</xs:annotation>`
	  `<xs:complexType>`
	    `<xs:simpleContent>`
	      `<xs:extension base="xs:decimal">`
	        `<xs:attribute name="unit" type="xs:string" use="required">`
	          `<xs:annotation>`
	            `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`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.`</xs:documentation>`
	          `</xs:annotation>`
	        `</xs:attribute>`
	      `</xs:extension>`
	    `</xs:simpleContent>`
	  `</xs:complexType>`
	`</xs:element>`

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	
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.			

Source	

	`<xs:element name="dimensionsWidth" minOccurs="1">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`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.`</xs:documentation>`
	  `</xs:annotation>`
	  `<xs:complexType>`

```
        <xs:simpleContent>
          <xs:extension base="xs:decimal">
            <xs:attribute name="unit" type="xs:string" use="required">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
              </xs:annotation>
            </xs:attribute>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
```

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	The color element describes whether the physical object made up of content that is black and white, color, or a mixture.
Type	xs:string
Properties	content: simple

Source	`<xs:element name="color" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The color element describes whether the physical object made up of content that is black and white, color, or a mixture.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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	Describes the object's total number of parts. For example, "1 page" or "3 pages of 3."
Type	xs:string
Properties	content: simple

Source	`<xs:element name="hasParts" type="xs:string">`
	`  <xs:annotation>`
	`    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Describes the object's total number of parts. For example, "1 page" or "3 pages of 3."</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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
| Source | ```xml
<xs:element name="additionalDescription" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Additional descriptive notes about the object that do not fit into elements above.</xs:documentation>
  </xs:annotation>
</xs:element>
``` |

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 | ```xml
<AssetPart xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html">
  <Instantiations relationship="">{1,unbounded}</Instantiations>
</AssetPart>
``` |
| Source | ```xml
<xs:element maxOccurs="1" name="AssetPart">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The AssetPart element allows for grouping of the various parts in a record, allowing the representation of complex object.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Instantiations" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The Instantiations element allows for the grouping of all the instantiations for a given asset.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Instantiation" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="fileName">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Name of the digital file with the file extension.</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:simpleContent>
                        <xs:extension base="xs:string">
                        </xs:extension>
                      </xs:simpleContent>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="fileSize">
                    <xs:annotation>
``` |

```
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The size of the digital file as a decimal or a whole number only. Qualified by a file
size unit attribute.</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:simpleContent>
                            <xs:extension base="xs:decimal">
                              <xs:attribute name="unit">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Unit should contain the full name and not an abbreviation. For example:
megabytes instead of MB.</xs:documentation>
                                </xs:annotation>
                              </xs:attribute>
                            </xs:extension>
                          </xs:simpleContent>
                        </xs:complexType>
                      </xs:element>
                      <xs:element name="checksum">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Contains the hash value of a checksum verification algorithm. Qualified by a type
attribute.</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:simpleContent>
                            <xs:extension base="xs:string">
                              <xs:attribute name="type">
                                <xs:annotation>
                                  <xs:documentation>Represents the type of checksum algorthim used. For
example: MD5</xs:documentation>
                                </xs:annotation>
                              </xs:attribute>
                            </xs:extension>
                          </xs:simpleContent>
                        </xs:complexType>
                      </xs:element>
                      <xs:element name="derivedFrom" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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.</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element name="Technical">
                        <xs:complexType>
                          <xs:sequence>
                            <xs:element name="fileFormat" type="xs:string">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
                              </xs:annotation>
                            </xs:element>
                            <xs:element name="imageFormat" type="xs:string">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service Metadata
Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</xs:documentation>
                              </xs:annotation>
                            </xs:element>
                            <xs:element name="resolutionWidth">
                              <xs:annotation>
                                <xs:documentation source="California Preservation Service
Metadata Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                              </xs:annotation>
                              <xs:complexType>
                                <xs:simpleContent>
                                  <xs:extension base="xs:nonNegativeInteger">
                                    <xs:attribute name="unit" use="required" type="xs:string">
                                      <xs:annotation>
                                        <xs:documentation source="California Preservation Service
Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                      </xs:annotation>
                                    </xs:attribute>
                                  </xs:extension>
                                </xs:simpleContent>
                              </xs:complexType>
                            </xs:element>
                            <xs:element name="resolutionHeight">
                              <xs:annotation>
```

```xml
                            <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:simpleContent>
                            <xs:extension base="xs:nonNegativeInteger">
                              <xs:attribute name="unit" use="required" type="xs:string">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                </xs:annotation>
                              </xs:attribute>
                            </xs:extension>
                          </xs:simpleContent>
                        </xs:complexType>
                      </xs:element>
                      <xs:element minOccurs="1" name="colorSpace">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Specifies the type of color space used by the digital file. For example:
YUV</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:string"/>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element minOccurs="0" name="chromaSubsampling">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service
 Metadata Guidelines" xml:lang="en">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.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:NMTOKEN">
                            <xs:pattern value="\d+:\d+:\d+"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element name="colorDepth">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                          <xs:simpleContent>
                            <xs:extension base="xs:nonNegativeInteger">
                              <xs:attribute name="unit" type="xs:string" use="required">
                                <xs:annotation>
                                  <xs:documentation source="California Preservation Service
 Metadata Guidelines">Almost always bits.</xs:documentation>
                                </xs:annotation>
                              </xs:attribute>
                            </xs:extension>
                          </xs:simpleContent>
                        </xs:complexType>
                      </xs:element>
                      <xs:element name="compressionMode">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy,
Uncompressed, or Unknown.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:enumeration value="Lossless"/>
                            <xs:enumeration value="Lossy"/>
                            <xs:enumeration value="Uncompressed"/>
                            <xs:enumeration value="Unknown"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element minOccurs="0" name="additionalTechnicalNotes" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines">Additional techincal notes about the file that do not fit into elements above.</
xs:documentation>
                        </xs:annotation>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
```

```
                        </xs:sequence>
                        <xs:attribute name="generation" type="xs:string" use="required">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Represents the generation and use classification of the file. The most common values
 used will be Preservation and Access.</xs:documentation>
                          </xs:annotation>
                        </xs:attribute>
                      </xs:complexType>
                    </xs:element>
                  </xs:sequence>
                  <xs:attribute name="relationship" use="required"/>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
</xs:element>
```

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	 Instantiations @ attributes @ relationship The Instantiations element allows for the grouping of all the instantiations for a given asset. 1..∞ Instantiation
Properties	content: complex maxOccurs: unbounded
Model	Instantiation+
Children	Instantiation

Instance	`<Instantiations relationship="" xmlns="http://calpreservation.org/projects/audiovisual-preservation/dcscheme.html">`
	  `<Instantiation generation="">{1,unbounded}</Instantiation>`
	`</Instantiations>`

Attributes					
	QName	**Type**	**Fixed**	**Default**	**Use**
	relationship				required

Source	

```
<xs:element name="Instantiations" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The
 Instantiations element allows for the grouping of all the instantiations for a given asset.</
xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Instantiation" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="fileName">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Name of the digital file with the file extension.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:string">
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="fileSize">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The size of the digital file as a decimal or a whole number only. Qualified by a file
 size unit attribute.</xs:documentation>
              </xs:annotation>
```

```xml
                    <xs:complexType>
                      <xs:simpleContent>
                        <xs:extension base="xs:decimal">
                          <xs:attribute name="unit">
                            <xs:annotation>
                              <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Unit should contain the full name and not an abbreviation. For example:
megabytes instead of MB.</xs:documentation>
                            </xs:annotation>
                          </xs:attribute>
                        </xs:extension>
                      </xs:simpleContent>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="checksum">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Contains the hash value of a checksum verification algorithm. Qualified by a type
attribute.</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:simpleContent>
                        <xs:extension base="xs:string">
                          <xs:attribute name="type">
                            <xs:annotation>
                              <xs:documentation>Represents the type of checksum algorthim used. For
example: MD5</xs:documentation>
                            </xs:annotation>
                          </xs:attribute>
                        </xs:extension>
                      </xs:simpleContent>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="derivedFrom" type="xs:string">
                    <xs:annotation>
                      <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="Technical">
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="fileFormat" type="xs:string">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="imageFormat" type="xs:string">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata
 Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="resolutionWidth">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata
 Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:simpleContent>
                              <xs:extension base="xs:nonNegativeInteger">
                                <xs:attribute name="unit" use="required" type="xs:string">
                                  <xs:annotation>
                                    <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                  </xs:annotation>
                                </xs:attribute>
                              </xs:extension>
                            </xs:simpleContent>
                          </xs:complexType>
                        </xs:element>
                        <xs:element name="resolutionHeight">
                          <xs:annotation>
                            <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:simpleContent>
```

```xml
                    <xs:extension base="xs:nonNegativeInteger">
                      <xs:attribute name="unit" use="required" type="xs:string">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                        </xs:annotation>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element minOccurs="1" name="colorSpace">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the type of color space used by the digital file. For example: YUV</
xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:string"/>
                </xs:simpleType>
              </xs:element>
              <xs:element minOccurs="0" name="chromaSubsampling">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:NMTOKEN">
                    <xs:pattern value="\d+:\d+:\d+"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="colorDepth">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:nonNegativeInteger">
                      <xs:attribute name="unit" type="xs:string" use="required">
                        <xs:annotation>
                          <xs:documentation source="California Preservation Service Metadata
 Guidelines">Almost always bits.</xs:documentation>
                        </xs:annotation>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="compressionMode">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or
 Unknown.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:enumeration value="Lossless"/>
                    <xs:enumeration value="Lossy"/>
                    <xs:enumeration value="Uncompressed"/>
                    <xs:enumeration value="Unknown"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element minOccurs="0" name="additionalTechnicalNotes" type="xs:string">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata
 Guidelines">Additional techincal notes about the file that do not fit into elements above.</
xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="generation" type="xs:string" use="required">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Represents the generation and use classification of the file. The most common values
 used will be Preservation and Access.</xs:documentation>
```

```
            </xs:annotation>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="relationship" use="required"/>
  </xs:complexType>
</xs:element>
```

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

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

Properties	
content:	complex
maxOccurs:	unbounded

Model	fileName , fileSize , checksum , derivedFrom , Technical
Children	Technical, checksum, derivedFrom, fileName, fileSize

Instance	

	`<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>`

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.`			

Source	

	`<xs:element name="Instantiation" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`    <xs:sequence>`
	`      <xs:element name="fileName">`
	`        <xs:annotation>`
	`          <xs:documentation source="California Preservation Service Metadata Guidelines"`
	` xml:lang="en">Name of the digital file with the file extension.</xs:documentation>`
	`        </xs:annotation>`
	`        <xs:complexType>`
	`          <xs:simpleContent>`

```
                    <xs:extension base="xs:string">
                    </xs:extension>
                  </xs:simpleContent>
               </xs:complexType>
            </xs:element>
            <xs:element name="fileSize">
               <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">The size of the digital file as a decimal or a whole number only. Qualified by a file
size unit attribute.</xs:documentation>
               </xs:annotation>
               <xs:complexType>
                  <xs:simpleContent>
                     <xs:extension base="xs:decimal">
                        <xs:attribute name="unit">
                           <xs:annotation>
                              <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Unit should contain the full name and not an abbreviation. For example: megabytes
instead of MB.</xs:documentation>
                           </xs:annotation>
                        </xs:attribute>
                     </xs:extension>
                  </xs:simpleContent>
               </xs:complexType>
            </xs:element>
            <xs:element name="checksum">
               <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Contains the hash value of a checksum verification algorithm. Qualified by a type
attribute.</xs:documentation>
               </xs:annotation>
               <xs:complexType>
                  <xs:simpleContent>
                     <xs:extension base="xs:string">
                        <xs:attribute name="type">
                           <xs:annotation>
                              <xs:documentation>Represents the type of checksum algorthim used. For example:
MD5</xs:documentation>
                           </xs:annotation>
                        </xs:attribute>
                     </xs:extension>
                  </xs:simpleContent>
               </xs:complexType>
            </xs:element>
            <xs:element name="derivedFrom" type="xs:string">
               <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">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.</xs:documentation>
               </xs:annotation>
            </xs:element>
            <xs:element name="Technical">
               <xs:complexType>
                  <xs:sequence>
                     <xs:element name="fileFormat" type="xs:string">
                        <xs:annotation>
                           <xs:documentation source="California Preservation Service Metadata Guidelines"
xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="imageFormat" type="xs:string">
                        <xs:annotation>
                           <xs:documentation source="California Preservation Service Metadata
Guidelines">Specifies the encoding of the digital file. For example: JPEG2000</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="resolutionWidth">
                        <xs:annotation>
                           <xs:documentation source="California Preservation Service Metadata
Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</
xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                           <xs:simpleContent>
                              <xs:extension base="xs:nonNegativeInteger">
                                 <xs:attribute name="unit" use="required" type="xs:string">
                                    <xs:annotation>
                                       <xs:documentation source="California Preservation Service Metadata
Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                                    </xs:annotation>
                                 </xs:attribute>
                              </xs:extension>
```

```
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="resolutionHeight">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</
xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:nonNegativeInteger">
                    <xs:attribute name="unit" use="required" type="xs:string">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata
 Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
                      </xs:annotation>
                    </xs:attribute>
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element minOccurs="1" name="colorSpace">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the type of color space used by the digital file. For example: YUV</
xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string"/>
              </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="chromaSubsampling">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                  <xs:pattern value="\d+:\d+:\d+"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="colorDepth">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:nonNegativeInteger">
                    <xs:attribute name="unit" type="xs:string" use="required">
                      <xs:annotation>
                        <xs:documentation source="California Preservation Service Metadata
 Guidelines">Almost always bits.</xs:documentation>
                      </xs:annotation>
                    </xs:attribute>
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="compressionMode">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or
 Unknown.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:enumeration value="Lossless"/>
                  <xs:enumeration value="Lossy"/>
                  <xs:enumeration value="Uncompressed"/>
                  <xs:enumeration value="Unknown"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="additionalTechnicalNotes" type="xs:string">
              <xs:annotation>
                <xs:documentation source="California Preservation Service Metadata
 Guidelines">Additional techincal notes about the file that do not fit into elements above.</
xs:documentation>
```

```
                    </xs:annotation>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:sequence>
<xs:attribute name="generation" type="xs:string" use="required">
    <xs:annotation>
        <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Represents the generation and use classification of the file. The most common values
 used will be Preservation and Access.</xs:documentation>
    </xs:annotation>
</xs:attribute>
</xs:complexType>
</xs:element>
```

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

Source	<pre><xs:element name="fileName">
	  <xs:annotation>
	    <xs:documentation source="California Preservation Service Metadata Guidelines"
	 xml:lang="en">Name of the digital file with the file extension.</xs:documentation>
	  </xs:annotation>
	  <xs:complexType>
	    <xs:simpleContent>
	      <xs:extension base="xs:string">
	      </xs:extension>
	    </xs:simpleContent>
	  </xs:complexType>
	</xs:element></pre>

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			

	QName	Type	Fixed	Default	Use
		Unit should contain the full name and not an abbreviation. For example: megabytes instead of MB.			

Source	`<xs:element name="fileSize">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`The size of the digital file as a decimal or a whole number only. Qualified by a file size unit attribute.`</xs:documentation>`
	  `</xs:annotation>`
	  `<xs:complexType>`
	    `<xs:simpleContent>`
	      `<xs:extension base="xs:decimal">`
	        `<xs:attribute name="unit">`
	          `<xs:annotation>`
	            `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`Unit should contain the full name and not an abbreviation. For example: megabytes instead of MB.`</xs:documentation>`
	          `</xs:annotation>`
	        `</xs:attribute>`
	      `</xs:extension>`
	    `</xs:simpleContent>`
	  `</xs:complexType>`
	`</xs:element>`

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 algorthim used. For example: MD5			

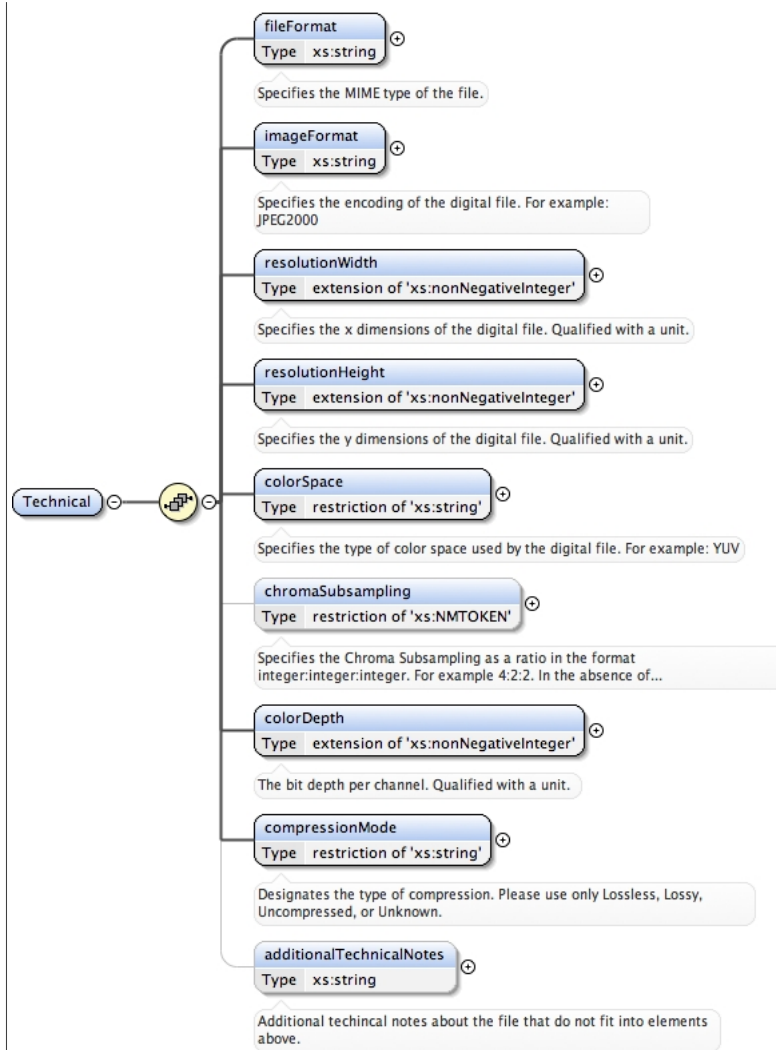| Source | `<xs:element name="checksum">`
  `<xs:annotation>`
    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">`Contains the hash value of a checksum verification algorithm. Qualified by a type attribute.`</xs:documentation>`
  `</xs:annotation>`
  `<xs:complexType>`
    `<xs:simpleContent>`
      `<xs:extension base="xs:string">`
        `<xs:attribute name="type">`
          `<xs:annotation>`
            `<xs:documentation>`Represents the type of checksum algorthim used. For example: MD5`</xs:documentation>`
          `</xs:annotation>`
        `</xs:attribute>`
      `</xs:extension>`
    `</xs:simpleContent>`
  `</xs:complexType>`
`</xs:element>` |

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

Source	`<xs:element name="derivedFrom" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	`xml:lang="en">`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.`</xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

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

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

Diagram	
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 | ```xml
<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>
``` |
| Source | ```xml
<xs:element name="Technical">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="fileFormat" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the MIME type of the file.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="imageFormat" type="xs:string">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines">Specifies
 the encoding of the digital file. For example: JPEG2000</xs:documentation>
        </xs:annotation>
      </xs:element>
``` |

```
      <xs:element name="resolutionWidth">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines">Specifies
 the x dimensions of the digital file. Qualified with a unit.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:nonNegativeInteger">
              <xs:attribute name="unit" use="required" type="xs:string">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Almost always pixels.</xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="resolutionHeight">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</
xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:nonNegativeInteger">
              <xs:attribute name="unit" use="required" type="xs:string">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Almost always pixels.</xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element minOccurs="1" name="colorSpace">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Specifies the type of color space used by the digital file. For example: YUV</
xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string"/>
        </xs:simpleType>
      </xs:element>
      <xs:element minOccurs="0" name="chromaSubsampling">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">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.</
xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:pattern value="\d+:\d+:\d+"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="colorDepth">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:nonNegativeInteger">
              <xs:attribute name="unit" type="xs:string" use="required">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata
 Guidelines">Almost always bits.</xs:documentation>
                </xs:annotation>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="compressionMode">
        <xs:annotation>
          <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or
 Unknown.</xs:documentation>
```

```
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:enumeration value="Lossless"/>
                    <xs:enumeration value="Lossy"/>
                    <xs:enumeration value="Uncompressed"/>
                    <xs:enumeration value="Unknown"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element minOccurs="0" name="additionalTechnicalNotes" type="xs:string">
                <xs:annotation>
                  <xs:documentation source="California Preservation Service Metadata Guidelines">Additional
 techincal notes about the file that do not fit into elements above.</xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
      </xs:element>
```

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	
Type	xs:string
Properties	content: simple

Source	`<xs:element name="fileFormat" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	 `xml:lang="en">Specifies the MIME type of the file.</xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

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

Source	`<xs:element name="imageFormat" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines">Specifies the`
	 `encoding of the digital file. For example: JPEG2000</xs:documentation>`
	  `</xs:annotation>`
	`</xs:element>`

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	
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.			

Source	
| | ```xml
<xs:element name="resolutionWidth">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines">Specifies the x dimensions of the digital file. Qualified with a unit.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:nonNegativeInteger">
        <xs:attribute name="unit" use="required" type="xs:string">
          <xs:annotation>
            <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Almost always pixels.</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
``` |

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.			

Source	
| | ```xml
<xs:element name="resolutionHeight">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Specifies the y dimensions of the digital file. Qualified with a unit.</xs:documentation>
``` |

```
      </xs:annotation>
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:nonNegativeInteger">
          <xs:attribute name="unit" use="required" type="xs:string">
            <xs:annotation>
              <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Almost always pixels.</xs:documentation>
            </xs:annotation>
          </xs:attribute>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
</xs:element>
```

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	colorSpace Type restriction of 'xs:string' ⊖——restricts: xs:string ⊕ Specifies the type of color space used by the digital file. For example: YUV
Type	xs:string
Properties	content: simple minOccurs: 1

Source	`<xs:element minOccurs="1" name="colorSpace">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	 `xml:lang="en">Specifies the type of color space used by the digital file. For example: YUV</`
	`xs:documentation>`
	  `</xs:annotation>`
	  `<xs:simpleType>`
	    `<xs:restriction base="xs:string"/>`
	  `</xs:simpleType>`
	`</xs:element>`

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	chromaSubsampling Type restriction of 'xs:NMTOKEN' ⊖——restricts: xs:NMTOKEN ⊕ Specifies the Chroma Subsampling as a ratio in the format integer:integer:integer. For example 4:2:2. In the absence of...
Type	restriction of xs:NMTOKEN
Properties	content: simple minOccurs: 0
Facets	pattern (\c+) & (\d+:\d+:\d+)

Source	`<xs:element minOccurs="0" name="chromaSubsampling">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	 `xml:lang="en">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.</`
	`xs:documentation>`
	  `</xs:annotation>`

```
  <xs:simpleType>
    <xs:restriction base="xs:NMTOKEN">
      <xs:pattern value="\d+:\d+:\d+"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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	 colorDepth Type extension of 'xs:nonNegativeInteger' The bit depth per channel. Qualified with a unit. xs:nonNegativeInteger Built-in derived type. The nonNegativeInteger datatype is derived from integer by setting the value of minInclusive to... @ attributes @ unit Type xs:string Almost always bits.
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.			

Source	`<xs:element name="colorDepth">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">The bit depth per channel. Qualified with a unit.</xs:documentation>`
	  `</xs:annotation>`
	  `<xs:complexType>`
	    `<xs:simpleContent>`
	      `<xs:extension base="xs:nonNegativeInteger">`
	        `<xs:attribute name="unit" type="xs:string" use="required">`
	          `<xs:annotation>`
	            `<xs:documentation source="California Preservation Service Metadata Guidelines">Almost always bits.</xs:documentation>`
	          `</xs:annotation>`
	        `</xs:attribute>`
	      `</xs:extension>`
	    `</xs:simpleContent>`
	  `</xs:complexType>`
	`</xs:element>`

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	 compressionMode Type restriction of 'xs:string' Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or Unknown. restricts: xs:string
Type	restriction of xs:string
Properties	content: simple
Facets	enumeration Lossless

	enumeration `Lossy`
	enumeration `Uncompressed`
	enumeration `Unknown`
| Source | ```xml
<xs:element name="compressionMode">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Designates the type of compression. Please use only Lossless, Lossy, Uncompressed, or
 Unknown.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Lossless"/>
      <xs:enumeration value="Lossy"/>
      <xs:enumeration value="Uncompressed"/>
      <xs:enumeration value="Unknown"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
``` |

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 techincal notes about the file that do not fit into elements above.
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
| Source | ```xml
<xs:element minOccurs="0" name="additionalTechnicalNotes" type="xs:string">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines">Additional
 techincal notes about the file that do not fit into elements above.</xs:documentation>
  </xs:annotation>
</xs:element>
``` |

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
| Source | ```xml
<xs:attribute default="created" name="type">
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines">Type of date. For
 example: "created" or "published"</xs:documentation>
  </xs:annotation>
</xs:attribute>
``` |

Attribute `CollectionReference / DescriptionDocument / DublinCore / identifier / @type`

Namespace	No namespace
Annotations	California Preservation Service Metadata Guidelines

	The type of the indentifier. For example "call number" or "barcode"
Used by	Element CollectionReference/DescriptionDocument/DublinCore/identifier

Source	`<xs:attribute name="type">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines">`The type of the indentifier. For example "call number" or "barcode"`</xs:documentation>`
	  `</xs:annotation>`
	`</xs:attribute>`

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

Source	`<xs:attribute name="url">`
	  `<xs:simpleType>`
	    `<xs:restriction base="xs:anyURI">`
	      `<xs:pattern value="https?://.+"/>`
	    `</xs:restriction>`
	  `</xs:simpleType>`
	`</xs:attribute>`

Attribute `CollectionReference / DescriptionDocument / DublinCore / source / @type`

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element CollectionReference/DescriptionDocument/DublinCore/source
Source	`<xs:attribute name="type" type="xs:string" use="required"/>`

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

Source	`<xs:attribute name="type" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation>`The type of coverage. Please use either temporal or spacial.`</xs:documentation>`
	  `</xs:annotation>`
	`</xs:attribute>`

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
Source	<xs:attribute name="unit" type="xs:string" use="required"> <xs:annotation> <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">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.</ xs:documentation> </xs:annotation> </xs:attribute>	

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
Source	<xs:attribute name="unit" type="xs:string" use="required"> <xs:annotation> <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">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.</ xs:documentation> </xs:annotation> </xs:attribute>

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
Source	<xs:attribute name="unit"> <xs:annotation> <xs:documentation source="California Preservation Service Metadata Guidelines" xml:lang="en">Unit should contain the full name and not an abbreviation. For example: megabytes instead of MB.</xs:documentation> </xs:annotation> </xs:attribute>

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

Namespace	No namespace
Annotations	Represents the type of checksum algorthim used. For example: MD5
Used by	Element CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations/Instantiation/checksum
Source	<xs:attribute name="type"> <xs:annotation> <xs:documentation>Represents the type of checksum algorthim used. For example: MD5</ xs:documentation> </xs:annotation> </xs:attribute>

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

Source	`<xs:attribute name="unit" use="required" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	`xml:lang="en">Almost always pixels.</xs:documentation>`
	  `</xs:annotation>`
	`</xs:attribute>`

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

Source	`<xs:attribute name="unit" use="required" type="xs:string">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines"`
	`xml:lang="en">Almost always pixels.</xs:documentation>`
	  `</xs:annotation>`
	`</xs:attribute>`

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

Source	`<xs:attribute name="unit" type="xs:string" use="required">`
	  `<xs:annotation>`
	    `<xs:documentation source="California Preservation Service Metadata Guidelines">Almost always`
	`bits.</xs:documentation>`
	  `</xs:annotation>`
	`</xs:attribute>`

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
Source	`<xs:attribute name="generation" type="xs:string" use="required">`

```
  <xs:annotation>
    <xs:documentation source="California Preservation Service Metadata Guidelines"
 xml:lang="en">Represents the generation and use classification of the file. The most common values
 used will be Preservation and Access.</xs:documentation>
  </xs:annotation>
</xs:attribute>
```

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

Namespace	No namespace
Properties	use: required
Used by	Element CollectionReference/DescriptionDocument/Assets/AssetPart/Instantiations
Source	`<xs:attribute name="relationship" use="required"/>`

Attribute `CollectionReference / @collectionSource`

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element CollectionReference
Source	`<xs:attribute name="collectionSource" use="required" type="xs:string"/>`

Attribute `CollectionReference / @projectSource`

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element CollectionReference
Source	`<xs:attribute name="projectSource" use="required" type="xs:string"/>`