Allegato 2 - Modelli metadati

PREMIS DI METADATI

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- via XML Spy. editor: Ray Denenberg, Library of Congress; rden@loc.gov
**************************************************************************
****** * * PREMIS * Preservation Metadata Schema * * VERSION 2.2 * May 15, 2012 * * (supercedes
version 2.1 of January 6, 2011) * * Modified: * - July 2, 2012: removed extraneous whitespace within an
element name. * - September 28, 2012: * copyrightDocumentationIdentifier and
licenseDocumentationIdentifier * changed to repeatable. They had been defined as non-repeatable in error. *
**************************************************************************
******
**************************************************************************
****************************************** Changes in version 2.2: 1. Complex element
copyrightDocumentationIdentifier added to copyrightInformation (under rightsStatement). It has the following
subelements: copyrightDocumentationIdentifierType copyrightDocumentationIdentifierValue
copyrightDocumentationRole In addition, copyrightApplicableDates (with a start and end date) is added to
copyrightInformation. 2. Complex element licenseDocumentationIdentifier is added to licenseInformation
(under rightsStatement). It is intended to replace existing element licenseIdentifier, which is retained for
backward compatibility. It has subelements: licenseDocumentationIdentifierType
licenseDocumentationIdentifierValue licenseDocumentationRole The first two correspond to the existing
subelements of licenseIndentifier: licenseIdentifierType licenseIdentifierValue (The role element is added.) In
addition, licenseApplicableDates (with a start and end date) is added to licenseInformation. 3. Complex
element statuteDocumentationIdentifier is added to statuteInformation (under rightsStatement). It has the
following subelements: statuteDocumentationIdentifierType statuteDocumentationIdentifierValue
statuteDocumentationRole In addition, statuteApplicableDates (with a start and end date) is added to
statuteInformation. 4. Complex element otherRightsInformation is added to rightsStatement. It has four
subelements: (1) otherRightsDocumentationIdentifier - a complex element with subelements:
otherRightsDocumentationIdentifierType otherRightsDocumentationIdentifierValue
otherRightsDocumentationRole (2) otherRightsBasis (simple) (3) otherRightsApplicableDates (with start and
end dates) (4) otherRightsNote (simple) 5. Complex element termOfRestriction is added to rightsGranted
(under rightsStatement). It has a start and end date. 6. countryCode definition added. Used by
copyrightJurisdiction and statuteJurisdiction. Typed as xs:string, it does not introduce a substantive change,
butt is introduced to reinforce the recommendation that a standard jurisdictional code be used. 7. The pattern....
<xs:pattern value="OPEN"/> is added to the list of patterns supported in EDTF.
**************************************************************************
****************************************** -->
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="info:lc/xmlns/premis-v2" xmlns="info:lc/xmlns/premis-v2"
xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xs="http://www.w3.org/2001/XMLSchema">
<!-- Import XLink-->
<xs:import schemaLocation="xlink.xsd" namespace="http://www.w3.org/1999/xlink"/>
<!-- An instance is (1) One or more of <object>, <event>, <agent>, <rights> all wrapped within a <premis>
container; or (2) any one of <object>, <event>, <agent>, <rights> by itself. Thus the root element is one of the
following: <premis>, <object>, <event>, <agent>, <rights>
**************************************************************************
***** * * * Root element declarations * * *
**************************************************************************
****** -->
<xs:element type="premisComplexType" name="premis"/><xs:element type="objectComplexType"
name="object"/><xs:element type="eventComplexType" name="event"/><xs:element
type="agentComplexType" name="agent"/><xs:element type="rightsComplexType" name="rights"/>
```

```
<!--
********************************************************************************
*********** * * * definitions of complex types for the root elements * * *
********************************************************************************
********** ************************************ premisComplexType -->
<xs:complexType name="premisComplexType"><xs:sequence><xs:element maxOccurs="unbounded"
ref="object"/><xs:element maxOccurs="unbounded" ref="event" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="agent" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="rights" minOccurs="0"/></xs:sequence><xs:attribute type="versionSimpleType" name="version"
use="required"/></xs:complexType>
<!--
********************************************************************************
*********** * * * objectComplexType (and the three major <object> category definitions) * * *
********************************************************************************
********** -->
<xs:complexType name="objectComplexType" abstract="true"/>
<!-- *************** The three "types": 'file', 'representation', and 'bitstream'. These are the values for the
xsi:type attribute in an instance. For an object of type file: <object xsi:type="file"> will mean that the
complexType "file" will be validated. For an object of type representation: <object xsi:type="representation">
will mean that the complexType "representation" will be validated. For an object of type bitstream: <object
xsi:type="bitstream"> will mean that the complexType "bitstream" will be validated. ******************
******* file -->
<xs:complexType name="file"><xs:complexContent><xs:extension
base="objectComplexType"><xs:sequence><xs:element maxOccurs="unbounded"
ref="objectIdentifier"/>
<!-- Data dictionary lists objectCategory here, values: 'file', 'representation', or 'bitstream'. It is omitted and
instead the mechanism described in the preceding comment is used to signify the category of the object. Using
this mechanism allows for the specific definition, corresponding to the category, to be validated. In the older
version there was a single defintion so specific vaidation based on category was not possible. -->
<xs:element maxOccurs="unbounded" ref="preservationLevel" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="significantProperties" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="objectCharacteristics"/><xs:element ref="originalName"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="storage" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="environment" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="signatureInformation" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="relationship"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingEventIdentifier"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingIntellectualEntityIdentifier"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingRightsStatementIdentifier"
minOccurs="0"/></xs:sequence><xs:attribute type="xs:ID" name="xmlID"/><xs:attribute
type="versionSimpleType" name="version"/></xs:extension></xs:complexContent></xs:complexType>
<!-- *********** representation -->
<xs:complexType name="representation"><xs:complexContent><xs:extension
base="objectComplexType"><xs:sequence><xs:element maxOccurs="unbounded"
ref="objectIdentifier"/><xs:element maxOccurs="unbounded" ref="preservationLevel"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="significantProperties"
minOccurs="0"/><xs:element ref="originalName" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="environment" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="relationship"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingEventIdentifier"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingIntellectualEntityIdentifier"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="linkingRightsStatementIdentifier"
minOccurs="0"/></xs:sequence><xs:attribute type="xs:ID" name="xmlID"/><xs:attribute
type="versionSimpleType" name="version"/></xs:extension></xs:complexContent></xs:complexType>
<!-- *********** bitstream -->
<xs:complexType name="bitstream"><xs:complexContent><xs:extension
base="objectComplexType"><xs:sequence><xs:element maxOccurs="unbounded"
ref="objectIdentifier"/><xs:element maxOccurs="unbounded" ref="significantProperties"
```

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minOccurs="0"/><xs:element       maxOccurs="unbounded"       ref="objectCharacteristics"/><xs:element
maxOccurs="unbounded"       ref="storage"       minOccurs="0"/><xs:element       maxOccurs="unbounded"
ref="environment" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="signatureInformation"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="relationship" minOccurs="0"/><xs:element
maxOccurs="unbounded"       ref="linkingEventIdentifier"       minOccurs="0"/><xs:element
maxOccurs="unbounded"       ref="linkingIntellectualEntityIdentifier"       minOccurs="0"/><xs:element
maxOccurs="unbounded"                         ref="linkingRightsStatementIdentifier"
minOccurs="0"/></xs:sequence><xs:attribute       type="xs:ID"       name="xmlID"/><xs:attribute
type="versionSimpleType" name="version"/></xs:extension></xs:complexContent></xs:complexType>
<!-- ***************************eventComplexType -->
<xs:complexType                         name="eventComplexType"><xs:sequence><xs:element
ref="eventIdentifier"/><xs:element   ref="eventType"/><xs:element   ref="eventDateTime"/><xs:element
ref="eventDetail"             minOccurs="0"/><xs:element             maxOccurs="unbounded"
ref="eventOutcomeInformation"         minOccurs="0"/><xs:element         maxOccurs="unbounded"
ref="linkingAgentIdentifier"         minOccurs="0"/><xs:element         maxOccurs="unbounded"
ref="linkingObjectIdentifier"         minOccurs="0"/></xs:sequence><xs:attribute         type="xs:ID"
name="xmlID"/><xs:attribute type="versionSimpleType" name="version"/></xs:complexType>
<!-- *********************** agentComplexType -->
<xs:complexType   name="agentComplexType"><xs:sequence><xs:element   maxOccurs="unbounded"
ref="agentIdentifier"/><xs:element               maxOccurs="unbounded"               ref="agentName"
minOccurs="0"/><xs:element   ref="agentType"   minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="agentNote"       minOccurs="0"/><xs:element       maxOccurs="unbounded"       ref="agentExtension"
minOccurs="0"/><xs:element     maxOccurs="unbounded"     ref="mdSec"     minOccurs="0"/><xs:element
maxOccurs="unbounded"         ref="linkingEventIdentifier"         minOccurs="0"/><xs:element
maxOccurs="unbounded"                         ref="linkingRightsStatementIdentifier"
minOccurs="0"/></xs:sequence><xs:attribute       type="xs:ID"       name="xmlID"/><xs:attribute
type="versionSimpleType" name="version"/></xs:complexType>
<!-- ***************** rightsComplexType -->
<xs:complexType   name="rightsComplexType"><xs:choice   maxOccurs="unbounded"><xs:element
ref="rightsStatement"/><xs:element                         ref="rightsExtension"/><xs:element
ref="mdSec"/></xs:choice><xs:attribute       type="xs:ID"       name="xmlID"/><xs:attribute
type="versionSimpleType" name="version"/></xs:complexType>
<!--
*********************************************************************************
*****
*********************************************************************************
*****    *    *    *    subsidiary    complexType    definitions    *    *    *
*********************************************************************************
******
*********************************************************************************
****** -->
<!-- ******* agentIdentifierComplexType -->
<xs:complexType                   name="agentIdentifierComplexType"><xs:sequence><xs:element
ref="agentIdentifierType"/><xs:element   ref="agentIdentifierValue"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- **************contentLocationComplexType -->
<xs:complexType                   name="contentLocationComplexType"><xs:sequence><xs:element
ref="contentLocationType"/><xs:element
ref="contentLocationValue"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ******** copyrightDocumentationIdentifierComplexType ****** New in version 2.2 ****** -->
<xs:complexType   name="copyrightDocumentationIdentifierComplexType"><xs:sequence><xs:element
ref="copyrightDocumentationIdentifierType"/><xs:element
ref="copyrightDocumentationIdentifierValue"/><xs:element         ref="copyrightDocumentationRole"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******** copyrightInformationComplexType -->
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```xml
<xs:complexType name="copyrightInformationComplexType"><xs:sequence><xs:element ref="copyrightStatus"/><xs:element ref="copyrightJurisdiction"/><xs:element ref="copyrightStatusDeterminationDate" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="copyrightNote" minOccurs="0"/>
<!-- The following two elements are new in version 2.2 -->
<xs:element maxOccurs="unbounded" ref="copyrightDocumentationIdentifier" minOccurs="0"/>
<!-- ***************** maxOccurs="unbounded" added Sept. 28, 2012. it had been omitted in error -->
<xs:element ref="copyrightApplicableDates" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************creatingApplicationComplexType -->
<xs:complexType name="creatingApplicationComplexType"><xs:choice><xs:sequence><xs:element ref="creatingApplicationName"/><xs:element ref="creatingApplicationVersion" minOccurs="0"/><xs:element ref="dateCreatedByApplication" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="creatingApplicationExtension" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec" minOccurs="0"/></xs:sequence><xs:sequence><xs:element ref="creatingApplicationVersion"/><xs:element ref="dateCreatedByApplication" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="creatingApplicationExtension" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec" minOccurs="0"/></xs:sequence><xs:sequence><xs:element ref="dateCreatedByApplication"/><xs:element maxOccurs="unbounded" ref="creatingApplicationExtension" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec" minOccurs="0"/></xs:sequence>
<!-- -->
<xs:choice maxOccurs="unbounded"><xs:element ref="creatingApplicationExtension"/><xs:element ref="mdSec"/></xs:choice>
<!-- -->
</xs:choice>
<!-- All of the elements individually are optional, but at least one must occur. And those occuring must occur in the specified order. And some are non-repeatable. XML schema doesn't provide an easy way to define such a construct. If sequencing and non-repeatability didn't apply, you could use CHOICE minOccurs="1" maxOccurs="unbounded". Or if the requirement that at least one must occur didn't apply you could use a single sequence all with minOccurs="0". But given these constraints the above structure is necessary. -->
</xs:complexType>
<!-- ***************dependencyComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType name="dependencyComplexType"><xs:choice><xs:sequence><xs:element maxOccurs="unbounded" ref="dependencyName"/><xs:element maxOccurs="unbounded" ref="dependencyIdentifier" minOccurs="0"/></xs:sequence><xs:element maxOccurs="unbounded" ref="dependencyIdentifier"/></xs:choice></xs:complexType>
<!-- ***************dependencyIdentifierComplexType -->
<xs:complexType name="dependencyIdentifierComplexType"><xs:sequence><xs:element ref="dependencyIdentifierType"/><xs:element ref="dependencyIdentifierValue"/></xs:sequence></xs:complexType>
<!-- ***************environmentComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType name="environmentComplexType"><xs:choice>
<!-- -->
<xs:sequence><xs:element ref="environmentCharacteristic"/><xs:element maxOccurs="unbounded" ref="environmentPurpose" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="environmentNote" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="dependency" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="software" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="hardware" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="environmentExtension" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec" minOccurs="0"/></xs:sequence>
<!-- -->
<xs:sequence><xs:element maxOccurs="unbounded" ref="environmentPurpose"/><xs:element maxOccurs="unbounded" ref="environmentNote" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="dependency" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="software" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="hardware"
```

minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**environmentExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!-- -->
<xs:sequence><xs:element maxOccurs="**unbounded**" ref="**environmentNote**"/><xs:element maxOccurs="**unbounded**" ref="**dependency**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**software**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**hardware**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**environmentExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!-- -->
<xs:sequence><xs:element maxOccurs="**unbounded**" ref="**dependency**"/><xs:element maxOccurs="**unbounded**" ref="**software**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**hardware**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**environmentExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!-- -->
<xs:sequence><xs:element maxOccurs="**unbounded**" ref="**software**"/><xs:element maxOccurs="**unbounded**" ref="**hardware**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**environmentExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!-- -->
<xs:sequence><xs:element maxOccurs="**unbounded**" ref="**hardware**"/><xs:element maxOccurs="**unbounded**" ref="**environmentExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!-- -->
<xs:choice maxOccurs="**unbounded**"><xs:element ref="**environmentExtension**"/><xs:element ref="**mdSec**"/></xs:choice>
<!-- -->
</xs:choice></xs:complexType>
<!-- ****eventIdentifierComplexType -->
<xs:complexType name="**eventIdentifierComplexType**"><xs:sequence><xs:element ref="**eventIdentifierType**"/><xs:element ref="**eventIdentifierValue**"/></xs:sequence><xs:attributeGroup ref="**xlink:simpleLink**"/></xs:complexType>
<!-- ****eventOutcomeDetailComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType name="**eventOutcomeDetailComplexType**"><xs:choice><xs:sequence><xs:element ref="**eventOutcomeDetailNote**"/><xs:element maxOccurs="**unbounded**" ref="**eventOutcomeDetailExtension**" minOccurs="**0**"/><xs:element maxOccurs="**unbounded**" ref="**mdSec**" minOccurs="**0**"/></xs:sequence>
<!---->
<xs:choice maxOccurs="**unbounded**"><xs:element ref="**eventOutcomeDetailExtension**"/><xs:element ref="**mdSec**"/></xs:choice>
<!-- -->
</xs:choice></xs:complexType>
<!-- ****eventOutcomeInformationComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType name="**eventOutcomeInformationComplexType**"><xs:choice><xs:sequence><xs:element ref="**eventOutcome**"/><xs:element maxOccurs="**unbounded**" ref="**eventOutcomeDetail**" minOccurs="**0**"/></xs:sequence><xs:element maxOccurs="**unbounded**" ref="**eventOutcomeDetail**"/></xs:choice></xs:complexType>
<!-- *******fixityComplexType -->
<xs:complexType name="**fixityComplexType**"><xs:sequence><xs:element ref="**messageDigestAlgorithm**"/><xs:element ref="**messageDigest**"/><xs:element ref="**messageDigestOriginator**" minOccurs="**0**"/></xs:sequence></xs:complexType>
<!-- *******formatComplexType -->
<xs:complexType name="**formatComplexType**"><xs:sequence><xs:choice>
<!-- one or both of formatDesignation and/or formatRegistry required; followed optionally by formatNote -->

```xml
<xs:sequence><xs:element ref="formatDesignation"/><xs:element ref="formatRegistry"
minOccurs="0"/></xs:sequence><xs:element ref="formatRegistry"/></xs:choice><xs:element
maxOccurs="unbounded" ref="formatNote" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- *******formatDesignationComplexType -->
<xs:complexType name="formatDesignationComplexType"><xs:sequence><xs:element
ref="formatName"/><xs:element ref="formatVersion"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- *******formatRegistryComplexType -->
<xs:complexType name="formatRegistryComplexType"><xs:sequence><xs:element
ref="formatRegistryName"/><xs:element ref="formatRegistryKey"/><xs:element
ref="formatRegistryRole" minOccurs="0"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************hardwareComplexType -->
<xs:complexType name="hardwareComplexType"><xs:sequence><xs:element
ref="hwName"/><xs:element ref="hwType"/><xs:element maxOccurs="unbounded"
ref="hwOtherInformation" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************inhibitorsComplexType -->
<xs:complexType name="inhibitorsComplexType"><xs:sequence><xs:element
ref="inhibitorType"/><xs:element maxOccurs="unbounded" ref="inhibitorTarget"
minOccurs="0"/><xs:element ref="inhibitorKey" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******* licenseDocumentationIdentifierComplexType ****** New in version 2.2 ****** -->
<xs:complexType name="licenseDocumentationIdentifierComplexType"><xs:sequence><xs:element
ref="licenseDocumentationIdentifierType"/><xs:element
ref="licenseDocumentationIdentifierValue"/><xs:element ref="licenseDocumentationRole"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******* licenseIdentifierComplexType -->
<xs:complexType name="licenseIdentifierComplexType"><xs:sequence><xs:element
ref="licenseIdentifierType"/><xs:element
ref="licenseIdentifierValue"/></xs:sequence></xs:complexType>
<!-- ******* licenseInformationComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType name="licenseInformationComplexType"><xs:choice><xs:sequence>
<!-- the following choice is introduced in version 2.2. Previously it had been simply <licenseIdentifier> . In
version 2.2 <licenseDocumentationIdentifier> is introduced as an alternative choice. <licenseIdentifier> is
retained as an alternative for backward compatibility, however <licenseDocumentationIdentifier> is the
preferred alternative. licenseApplicableDates is new in 2.2 -->
<xs:choice><xs:element ref="licenseIdentifier"/><xs:element maxOccurs="unbounded"
ref="licenseDocumentationIdentifier"/>
<!-- ****************** maxOccurs="unbounded" added Sept. 28, 2012. it had been omitted in error -->
</xs:choice>
<!-- -->
<xs:element ref="licenseTerms" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="licenseNote" minOccurs="0"/><xs:element ref="licenseApplicableDates"
minOccurs="0"/></xs:sequence><xs:sequence><xs:element ref="licenseTerms"/><xs:element
maxOccurs="unbounded" ref="licenseNote" minOccurs="0"/><xs:element ref="licenseApplicableDates"
minOccurs="0"/></xs:sequence><xs:sequence><xs:element maxOccurs="unbounded"
ref="licenseNote"/><xs:element ref="licenseApplicableDates"
minOccurs="0"/></xs:sequence><xs:element
ref="licenseApplicableDates"/></xs:choice></xs:complexType>
<!-- ******* linkingAgentIdentifierComplexType -->
<xs:complexType name="linkingAgentIdentifierComplexType"><xs:sequence><xs:element
ref="linkingAgentIdentifierType"/><xs:element ref="linkingAgentIdentifierValue"/><xs:element
maxOccurs="unbounded" ref="linkingAgentRole" minOccurs="0"/></xs:sequence><xs:attribute
type="xs:IDREF" name="LinkAgentXmlID"/><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************"linkingEventIdentifierComplexType -->
```

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<xs:complexType name="linkingEventIdentifierComplexType"><xs:sequence><xs:element
ref="linkingEventIdentifierType"/><xs:element
ref="linkingEventIdentifierValue"/></xs:sequence><xs:attribute type="xs:IDREF"
name="LinkEventXmlID"/><xs:attributeGroup ref="xlink:simpleLink"/></xs:complexType>
<!-- *******linkingObjectIdentifierComplexType -->
<xs:complexType name="linkingObjectIdentifierComplexType"><xs:sequence><xs:element
ref="linkingObjectIdentifierType"/><xs:element ref="linkingObjectIdentifierValue"/><xs:element
maxOccurs="unbounded" ref="linkingObjectRole" minOccurs="0"/></xs:sequence><xs:attribute
type="xs:IDREF" name="LinkObjectXmlID"/><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************linkingIntellectualEntityIdentifierComplexType -->
<xs:complexType name="linkingIntellectualEntityIdentifierComplexType"><xs:sequence><xs:element
ref="linkingIntellectualEntityIdentifierType"/><xs:element
ref="linkingIntellectualEntityIdentifierValue"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************linkingRightsStatementIdentifierComplexType -->
<xs:complexType name="linkingRightsStatementIdentifierComplexType"><xs:sequence><xs:element
ref="linkingRightsStatementIdentifierType"/><xs:element
ref="linkingRightsStatementIdentifierValue"/></xs:sequence><xs:attribute type="xs:IDREF"
name="LinkPermissionStatementXmlID"/><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************objectCharacteristicsComplexType -->
<xs:complexType name="objectCharacteristicsComplexType"><xs:sequence><xs:element
ref="compositionLevel"/><xs:element maxOccurs="unbounded" ref="fixity" minOccurs="0"/><xs:element
ref="size" minOccurs="0"/><xs:element maxOccurs="unbounded" ref="format"/><xs:element
maxOccurs="unbounded" ref="creatingApplication" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="inhibitors" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="objectCharacteristicsExtension" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="mdSec" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- *******objectIdentifierComplexType -->
<xs:complexType name="objectIdentifierComplexType"><xs:sequence><xs:element
ref="objectIdentifierType"/><xs:element ref="objectIdentifierValue"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************originalNameComplexType -->
<xs:complexType name="originalNameComplexType"><xs:simpleContent><xs:extension
base="xs:string"><xs:attributeGroup
ref="xlink:simpleLink"/></xs:extension></xs:simpleContent></xs:complexType>
<!-- ***************otherRightsDocumentationIdentifierComplexType ****** New in version 2.2
****** -->
<xs:complexType
name="otherRightsDocumentationIdentifierComplexType"><xs:sequence><xs:element
ref="otherRightsDocumentationIdentifierType"/><xs:element
ref="otherRightsDocumentationIdentifierValue"/><xs:element ref="otherRightsDocumentationRole"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************otherRightsInformationComplexType ****** New in version 2.2 ****** -->
<xs:complexType name="otherRightsInformationComplexType"><xs:sequence><xs:element
maxOccurs="unbounded" ref="otherRightsDocumentationIdentifier" minOccurs="0"/><xs:element
ref="otherRightsBasis"/><xs:element ref="otherRightsApplicableDates" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="otherRightsNote" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************preservationLevelComplexType -->
<xs:complexType name="preservationLevelComplexType"><xs:sequence><xs:element
ref="preservationLevelValue"/><xs:element ref="preservationLevelRole" minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="preservationLevelRationale" minOccurs="0"/><xs:element
ref="preservationLevelDateAssigned" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************relatedEventIdentificationComplexType -->
```

```xml
<xs:complexType name="relatedEventIdentificationComplexType"><xs:sequence><xs:element
ref="relatedEventIdentifierType"/><xs:element ref="relatedEventIdentifierValue"/><xs:element
ref="relatedEventSequence" minOccurs="0"/></xs:sequence><xs:attribute type="xs:IDREF"
name="RelEventXmlID"/><xs:attributeGroup ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************relatedObjectIdentificationComplexType -->
<xs:complexType name="relatedObjectIdentificationComplexType"><xs:sequence><xs:element
ref="relatedObjectIdentifierType"/><xs:element ref="relatedObjectIdentifierValue"/><xs:element
ref="relatedObjectSequence" minOccurs="0"/></xs:sequence><xs:attribute type="xs:IDREF"
name="RelObjectXmlID"/><xs:attributeGroup ref="xlink:simpleLink"/></xs:complexType>
<!-- ***************relationshipComplexType -->
<xs:complexType name="relationshipComplexType"><xs:sequence><xs:element
ref="relationshipType"/><xs:element ref="relationshipSubType"/><xs:element
maxOccurs="unbounded" ref="relatedObjectIdentification"/><xs:element maxOccurs="unbounded"
ref="relatedEventIdentification" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******** rightsGrantedComplexType -->
<xs:complexType name="rightsGrantedComplexType"><xs:sequence><xs:element
ref="act"/><xs:element maxOccurs="unbounded" ref="restriction" minOccurs="0"/>
<!-- -->
<xs:element ref="termOfGrant" minOccurs="0"/>
<!-- Previously( in 2.1), termOfGrant (above) was mandatory. In 2.2 it is changed to optional , and
termOfRestriction (below) is added. Either one, or both, may occur.-->
<xs:element ref="termOfRestriction" minOccurs="0"/>
<!-- -->
<xs:element maxOccurs="unbounded" ref="rightsGrantedNote"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******** rightsStatementComplexType -->
<xs:complexType name="rightsStatementComplexType"><xs:sequence><xs:element
ref="rightsStatementIdentifier"/><xs:element ref="rightsBasis"/><xs:element
ref="copyrightInformation" minOccurs="0"/><xs:element ref="licenseInformation"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="statuteInformation" minOccurs="0"/>
<!--The following element (otherRightsInformation) is new in 2.2 -->
<xs:element ref="otherRightsInformation" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="rightsGranted" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="linkingObjectIdentifier" minOccurs="0"/><xs:element maxOccurs="unbounded"
ref="linkingAgentIdentifier" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ********rightsStatementIdentifierComplexType -->
<xs:complexType name="rightsStatementIdentifierComplexType"><xs:sequence><xs:element
ref="rightsStatementIdentifierType"/><xs:element
ref="rightsStatementIdentifierValue"/></xs:sequence><xs:attributeGroup
ref="xlink:simpleLink"/></xs:complexType>
<!-- ****************signatureComplexType -->
<xs:complexType name="signatureComplexType"><xs:sequence><xs:element
ref="signatureEncoding"/><xs:element ref="signer" minOccurs="0"/><xs:element
ref="signatureMethod"/><xs:element ref="signatureValue"/><xs:element
ref="signatureValidationRules"/><xs:element maxOccurs="unbounded" ref="signatureProperties"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="keyInformation"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ****************signatureInformationComplexType See comment for
"creatingApplicationComplexType" -->
<xs:complexType name="signatureInformationComplexType"><xs:choice><xs:sequence><xs:element
ref="signature"/><xs:element maxOccurs="unbounded" ref="signatureInformationExtension"
minOccurs="0"/><xs:element maxOccurs="unbounded" ref="mdSec"
minOccurs="0"/></xs:sequence><xs:choice maxOccurs="unbounded"><xs:element
ref="signatureInformationExtension"/><xs:element ref="mdSec"/></xs:choice></xs:choice>
<!-- -->
```

```
</xs:complexType>
<!--            ***************significantPropertiesComplexType    See    comment    for
"creatingApplicationComplexType" -->
<xs:complexType    name="significantPropertiesComplexType"><xs:choice><xs:sequence><xs:element
ref="significantPropertiesType"/><xs:element                              ref="significantPropertiesValue"
minOccurs="0"/><xs:element       maxOccurs="unbounded"       ref="significantPropertiesExtension"
minOccurs="0"/><xs:element                      maxOccurs="unbounded"                      ref="mdSec"
minOccurs="0"/></xs:sequence><xs:sequence><xs:element
ref="significantPropertiesValue"/><xs:element                              maxOccurs="unbounded"
ref="significantPropertiesExtension"      minOccurs="0"/><xs:element      maxOccurs="unbounded"
ref="mdSec" minOccurs="0"/></xs:sequence>
<!---->
<xs:choice   maxOccurs="unbounded"><xs:element   ref="significantPropertiesExtension"/><xs:element
ref="mdSec"/></xs:choice>
<!-- -->
</xs:choice></xs:complexType>
<!-- ***************softwareComplexType -->
<xs:complexType                            name="softwareComplexType"><xs:sequence><xs:element
ref="swName"/><xs:element ref="swVersion" minOccurs="0"/><xs:element ref="swType"/><xs:element
maxOccurs="unbounded"           ref="swOtherInformation"           minOccurs="0"/><xs:element
maxOccurs="unbounded" ref="swDependency" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************startAndEndDateComplexType ****** New in version 2.2 ****** -->
<xs:complexType                    name="startAndEndDateComplexType"><xs:sequence><xs:element
ref="startDate"/><xs:element ref="endDate" minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******* statuteDocumentationIdentifierComplexType ****** New in version 2.2 ****** -->
<xs:complexType        name="statuteDocumentationIdentifierComplexType"><xs:sequence><xs:element
ref="statuteDocumentationIdentifierType"/><xs:element
ref="statuteDocumentationIdentifierValue"/><xs:element           ref="statuteDocumentationRole"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ******* statuteInformationComplexType -->
<xs:complexType                name="statuteInformationComplexType"><xs:sequence><xs:element
ref="statuteJurisdiction"/><xs:element                        ref="statuteCitation"/><xs:element
ref="statuteInformationDeterminationDate"   minOccurs="0"/><xs:element   maxOccurs="unbounded"
ref="statuteNote" minOccurs="0"/>
<!-- the following two elements are new in 2.2 -->
<xs:element                  maxOccurs="unbounded"                  ref="statuteDocumentationIdentifier"
minOccurs="0"/><xs:element                                        ref="statuteApplicableDates"
minOccurs="0"/></xs:sequence></xs:complexType>
<!-- ***************storageComplexType See comment for "creatingApplicationComplexType" -->
<xs:complexType                name="storageComplexType"><xs:choice><xs:sequence><xs:element
ref="contentLocation"/><xs:element  ref="storageMedium"  minOccurs="0"/></xs:sequence><xs:element
ref="storageMedium"/></xs:choice></xs:complexType>
<!--
**********************************************************************************************
*****      *      *      *      Element      declarations      *      *      *
**********************************************************************************************
****** ****** string type element declarations -->
<xs:element            type="xs:string"            name="act"/><xs:element            type="xs:string"
name="agentIdentifierType"/><xs:element type="xs:string" name="agentIdentifierValue"/><xs:element
type="xs:string"    name="agentName"/><xs:element    type="xs:string"    name="agentNote"/><xs:element
type="xs:string"                name="agentType"/><xs:element                type="xs:string"
name="contentLocationType"/><xs:element type="xs:string" name="contentLocationValue"/>
<!-- Following three elements are new in version 2.2 -->
<xs:element          type="xs:string"          name="copyrightDocumentationIdentifierType"/><xs:element
type="xs:string"            name="copyrightDocumentationRole"/><xs:element            type="xs:string"
name="copyrightDocumentationIdentifierValue"/>
```

Allegato 2/Manuale di Conservazione

```xml
<!-- -->
<xs:element type="xs:string" name="copyrightStatus"/>
<!-- definition of copyrightJurisdiction changed in 2.2 -->
<xs:element type="countryCode" name="copyrightJurisdiction"/><xs:element type="xs:string" name="copyrightNote"/><xs:element type="xs:string" name="creatingApplicationName"/><xs:element type="xs:string" name="creatingApplicationVersion"/><xs:element type="xs:string" name="dependencyIdentifierType"/><xs:element type="xs:string" name="dependencyIdentifierValue"/><xs:element type="xs:string" name="dependencyName"/><xs:element type="xs:string" name="environmentCharacteristic"/><xs:element type="xs:string" name="environmentNote"/><xs:element type="xs:string" name="environmentPurpose"/><xs:element type="xs:string" name="eventDetail"/><xs:element type="xs:string" name="eventIdentifierType"/><xs:element type="xs:string" name="eventIdentifierValue"/><xs:element type="xs:string" name="eventOutcome"/><xs:element type="xs:string" name="eventOutcomeDetailNote"/><xs:element type="xs:string" name="formatName"/><xs:element type="xs:string" name="formatNote"/><xs:element type="xs:string" name="formatRegistryName"/><xs:element type="xs:string" name="formatRegistryKey"/><xs:element type="xs:string" name="formatRegistryRole"/><xs:element type="xs:string" name="formatVersion"/><xs:element type="xs:string" name="hwOtherInformation"/><xs:element type="xs:string" name="hwName"/><xs:element type="xs:string" name="hwType"/><xs:element type="xs:string" name="inhibitorKey"/><xs:element type="xs:string" name="inhibitorTarget"/><xs:element type="xs:string" name="inhibitorType"/>
<!-- Following three elements are new in version 2.2 -->
<xs:element type="xs:string" name="licenseDocumentationIdentifierType"/><xs:element type="xs:string" name="licenseDocumentationRole"/><xs:element type="xs:string" name="licenseDocumentationIdentifierValue"/>
<!-- -->
<xs:element type="xs:string" name="licenseIdentifierType"/><xs:element type="xs:string" name="licenseIdentifierValue"/><xs:element type="xs:string" name="licenseNote"/><xs:element type="xs:string" name="licenseTerms"/><xs:element type="xs:string" name="linkingAgentIdentifierType"/><xs:element type="xs:string" name="linkingAgentIdentifierValue"/><xs:element type="xs:string" name="linkingAgentRole"/><xs:element type="xs:string" name="linkingEventIdentifierType"/><xs:element type="xs:string" name="linkingEventIdentifierValue"/><xs:element type="xs:string" name="linkingIntellectualEntityIdentifierType"/><xs:element type="xs:string" name="linkingIntellectualEntityIdentifierValue"/><xs:element type="xs:string" name="linkingObjectIdentifierType"/><xs:element type="xs:string" name="linkingObjectRole"/><xs:element type="xs:string" name="linkingObjectIdentifierValue"/><xs:element type="xs:string" name="linkingRightsStatementIdentifierType"/><xs:element type="xs:string" name="linkingRightsStatementIdentifierValue"/><xs:element type="xs:string" name="messageDigest"/><xs:element type="xs:string" name="messageDigestAlgorithm"/><xs:element type="xs:string" name="messageDigestOriginator"/><xs:element type="xs:string" name="objectIdentifierType"/><xs:element type="xs:string" name="objectIdentifierValue"/>
<!-- Following five elements are new in version 2.2 -->
<xs:element type="xs:string" name="otherRightsBasis"/><xs:element type="xs:string" name="otherRightsDocumentationRole"/><xs:element type="xs:string" name="otherRightsDocumentationIdentifierType"/><xs:element type="xs:string" name="otherRightsDocumentationIdentifierValue"/><xs:element type="xs:string" name="otherRightsNote"/>
<!-- -->
<xs:element type="xs:string" name="preservationLevelValue"/><xs:element type="xs:string" name="preservationLevelRole"/><xs:element type="xs:string" name="preservationLevelRationale"/><xs:element type="xs:string" name="relatedEventIdentifierType"/><xs:element type="xs:string"
```

name="**relatedEventIdentifierValue**"/><xs:element type="**xs:string**"
name="**relatedObjectIdentifierType**"/><xs:element type="**xs:string**"
name="**relatedObjectIdentifierValue**"/><xs:element type="**xs:string**"
name="**relationshipType**"/><xs:element type="**xs:string**" name="**relationshipSubType**"/><xs:element
type="**xs:string**" name="**restriction**"/><xs:element type="**xs:string**" name="**rightsBasis**"/><xs:element
type="**xs:string**" name="**rightsGrantedNote**"/><xs:element type="**xs:string**"
name="**rightsStatementIdentifierType**"/><xs:element type="**xs:string**"
name="**rightsStatementIdentifierValue**"/><xs:element type="**xs:string**"
name="**signatureEncoding**"/><xs:element type="**xs:string**" name="**signatureMethod**"/><xs:element
type="**xs:string**" name="**signatureProperties**"/><xs:element type="**xs:string**"
name="**signatureValue**"/><xs:element type="**xs:string**" name="**signatureValidationRules**"/><xs:element
type="**xs:string**" name="**signer**"/><xs:element type="**xs:string**"
name="**significantPropertiesType**"/><xs:element type="**xs:string**"
name="**significantPropertiesValue**"/><xs:element type="**xs:string**"
name="**storageMedium**"/><xs:element type="**xs:string**" name="**statuteCitation**"/>
<!-- Following three elements are new in version 2.2 -->
<xs:element type="**xs:string**" name="**statuteDocumentationIdentifierType**"/><xs:element
type="**xs:string**" name="**statuteDocumentationIdentifierValue**"/><xs:element type="**xs:string**"
name="**statuteDocumentationRole**"/>
<!-- definition of statuteJurisdiction changed in 2.2 -->
<xs:element type="**countryCode**" name="**statuteJurisdiction**"/><xs:element type="**xs:string**"
name="**statuteNote**"/><xs:element type="**xs:string**" name="**swName**"/><xs:element type="**xs:string**"
name="**swVersion**"/><xs:element type="**xs:string**" name="**swType**"/><xs:element type="**xs:string**"
name="**swDependency**"/><xs:element type="**xs:string**" name="**swOtherInformation**"/>
<!-- ****** complex type element declarations -->
<xs:element type="**agentIdentifierComplexType**" name="**agentIdentifier**"/><xs:element
type="**contentLocationComplexType**" name="**contentLocation**"/>
<!-- The following element (copyrightDocumentationIdentifier) is new in version 2.2 -->
<xs:element type="**copyrightDocumentationIdentifierComplexType**"
name="**copyrightDocumentationIdentifier**"/><xs:element type="**copyrightInformationComplexType**"
name="**copyrightInformation**"/><xs:element type="**creatingApplicationComplexType**"
name="**creatingApplication**"/><xs:element type="**dependencyComplexType**"
name="**dependency**"/><xs:element type="**dependencyIdentifierComplexType**"
name="**dependencyIdentifier**"/><xs:element type="**environmentComplexType**"
name="**environment**"/><xs:element type="**eventIdentifierComplexType**"
name="**eventIdentifier**"/><xs:element type="**eventOutcomeDetailComplexType**"
name="**eventOutcomeDetail**"/><xs:element type="**eventOutcomeInformationComplexType**"
name="**eventOutcomeInformation**"/><xs:element type="**xs:string**" name="**eventType**"/><xs:element
type="**fixityComplexType**" name="**fixity**"/><xs:element type="**formatComplexType**"
name="**format**"/><xs:element type="**formatDesignationComplexType**"
name="**formatDesignation**"/><xs:element type="**formatRegistryComplexType**"
name="**formatRegistry**"/><xs:element type="**hardwareComplexType**" name="**hardware**"/><xs:element
type="**inhibitorsComplexType**" name="**inhibitors**"/>
<!-- the following element (licenseDocumentationIdentifier) is new in version 2.2 -->
<xs:element type="**licenseDocumentationIdentifierComplexType**"
name="**licenseDocumentationIdentifier**"/><xs:element type="**licenseIdentifierComplexType**"
name="**licenseIdentifier**"/><xs:element type="**licenseInformationComplexType**"
name="**licenseInformation**"/><xs:element type="**linkingAgentIdentifierComplexType**"
name="**linkingAgentIdentifier**"/><xs:element type="**linkingEventIdentifierComplexType**"
name="**linkingEventIdentifier**"/><xs:element type="**linkingIntellectualEntityIdentifierComplexType**"
name="**linkingIntellectualEntityIdentifier**"/><xs:element type="**linkingObjectIdentifierComplexType**"
name="**linkingObjectIdentifier**"/><xs:element type="**linkingRightsStatementIdentifierComplexType**"
name="**linkingRightsStatementIdentifier**"/><xs:element type="**objectCharacteristicsComplexType**"
name="**objectCharacteristics**"/><xs:element type="**objectIdentifierComplexType**"
name="**objectIdentifier**"/><xs:element type="**originalNameComplexType**" name="**originalName**"/>
<!-- Following two elements new in 2.2 -->

```xml
<xs:element                                    type="otherRightsDocumentationIdentifierComplexType"
name="otherRightsDocumentationIdentifier"/><xs:element
type="otherRightsInformationComplexType" name="otherRightsInformation"/>
<!-- -->
<xs:element        type="preservationLevelComplexType"        name="preservationLevel"/><xs:element
type="relatedEventIdentificationComplexType"        name="relatedEventIdentification"/><xs:element
type="relatedObjectIdentificationComplexType"       name="relatedObjectIdentification"/><xs:element
type="relationshipComplexType"                              name="relationship"/><xs:element
type="rightsGrantedComplexType"                             name="rightsGranted"/><xs:element
type="rightsStatementComplexType"                           name="rightsStatement"/><xs:element
type="rightsStatementIdentifierComplexType"        name="rightsStatementIdentifier"/><xs:element
type="signatureComplexType"                                 name="signature"/><xs:element
type="signatureInformationComplexType"              name="signatureInformation"/><xs:element
type="significantPropertiesComplexType" name="significantProperties"/>
<!-- the following elelment (statuteDocumentationIdentifier) is new in 2.2 -->
<xs:element                                   type="statuteDocumentationIdentifierComplexType"
name="statuteDocumentationIdentifier"/><xs:element        type="statuteInformationComplexType"
name="statuteInformation"/><xs:element type="softwareComplexType" name="software"/><xs:element
type="storageComplexType" name="storage"/>
<!-- ****** other xs type element declarations -->
<xs:element              type="xs:nonNegativeInteger"              name="compositionLevel"/><xs:element
type="xs:nonNegativeInteger"                        name="relatedEventSequence"/><xs:element
type="xs:nonNegativeInteger"        name="relatedObjectSequence"/><xs:element        type="xs:long"
name="size"/>
<!-- ****** date type element declarations -->
<xs:element            type="edtfSimpleType"            name="dateCreatedByApplication"/><xs:element
type="edtfSimpleType" name="endDate"/>
<!-- the following element (copyRightApplicableDates) is new in 2.2 -->
<xs:element   type="startAndEndDateComplexType"   name="copyrightApplicableDates"/><xs:element
type="edtfSimpleType"                       name="copyrightStatusDeterminationDate"/><xs:element
type="edtfSimpleType" name="eventDateTime"/>
<!-- the following element (licenseApplicableDates) is new in 2.2 -->
<xs:element     type="startAndEndDateComplexType"     name="licenseApplicableDates"/><xs:element
type="edtfSimpleType"   name="preservationLevelDateAssigned"/><xs:element   type="edtfSimpleType"
name="startDate"/>
<!-- the following element (otherRightsApplicableDates) is new in 2.2 -->
<xs:element type="startAndEndDateComplexType" name="otherRightsApplicableDates"/>
<!-- the following element (statuteApplicableDates) is new in 2.2 -->
<xs:element     type="startAndEndDateComplexType"     name="statuteApplicableDates"/><xs:element
type="edtfSimpleType"                      name="statuteInformationDeterminationDate"/><xs:element
type="startAndEndDateComplexType"                            name="termOfGrant"/><xs:element
type="startAndEndDateComplexType" name="termOfRestriction"/>
<!-- ****** extension type element declarations -->
<xs:element             type="extensionComplexType"              name="agentExtension"/><xs:element
type="extensionComplexType"                         name="creatingApplicationExtension"/><xs:element
type="extensionComplexType"                         name="environmentExtension"/><xs:element
type="extensionComplexType"                         name="eventOutcomeDetailExtension"/><xs:element
type="extensionComplexType"   name="keyInformation"/><xs:element   type="extensionComplexType"
name="objectCharacteristicsExtension"/><xs:element                    type="extensionComplexType"
name="rightsExtension"/><xs:element                                  type="extensionComplexType"
name="signatureInformationExtension"/><xs:element                    type="extensionComplexType"
name="significantPropertiesExtension"/>
<!--
*********************************************************************************
***************        ****************************************  Global        Definitions
********************************************
```

Allegato 2/Manuale di Conservazione

*** -->

<!-- ************* countryCode definition countryCode added 2.2. Used by copyrightJurisdiction and statuteJurisdiction. Although typed as xs:string, it is recommended that a standard jurisdictional code (such as ISO 3166-1 alpha-2 or alpha-3 country codes) be used, to ensure international uniqueness. (Note: this does not introduce a substantive change. It is introduced to reinforce this recommendation.) -->

<xs:simpleType name="**countryCode**"><xs:restriction base="**xs:string**"/></xs:simpleType>

<!-- ************* version definition -->

<xs:simpleType name="**versionSimpleType**"><xs:restriction base="**xs:string**"><xs:enumeration value="**2.0**"/><xs:enumeration value="**2.1**"/><xs:enumeration value="**2.2**"/>

<!-- 2.2 value added in version 2.2 -->

</xs:restriction></xs:simpleType>

<!-- ************* extensionComplexType -->

<xs:complexType name="**extensionComplexType**"><xs:sequence><xs:any namespace="**##any**" maxOccurs="**unbounded**" minOccurs="**0**" processContents="**lax**"/></xs:sequence></xs:complexType>

<!-- ** date/time Definition: edtfSimpleType Extended Date/Time Format ** ************* edtfSimpleType is the type used throughout the schema for "date" and "dateTime" type elements: dateCreatedByApplication, copyrightStatusDeterminationDate, eventDateTime, preservationLevelDateAssigned, statuteInformationDeterminationDate, and others. It is based on the edtf specification, and introduced into the PREMIS schema in version 2.0. However this schema has not keet pace with the development of that spec, which has changed considerably since the release of version 2.0. edtfSimpleType is the union of three simple types: xsDate, xs:dateTime - and edtfRegularExpressions, as folloiws: -->

<xs:simpleType name="**edtfSimpleType**"><xs:union memberTypes="**xs:date xs:dateTime edtfRegularExpressions**"/></xs:simpleType>

<!-- "xs:union" (above) means that any string conforming to any one of the types in the union will validate. xs:date and xs:dateTime are built-in W3C schema types. edtfRegularExpressions is a set of regular expressions which are described below. So any string that conforms to one of the two built-in types or any of the regular expressions will validate. ******** edftRegularExpressions -->

<xs:simpleType name="**edtfRegularExpressions**"><xs:restriction base="**xs:string**"><xs:pattern value="**\d{2}(\d{2}|\?\?|\d(\d|\?))(-(\d{2}|\?\?))?~?\??**"/><xs:pattern value="**\d{6}(\d{2}|\?\?)~?\??**"/><xs:pattern value="**\d{8}T\d{6}**"/><xs:pattern value="**((\d{4}(-\d{2})?)|UNKNOWN)/((\d{4}(-\d{2})?)|UNKNOWN|OPEN)**"/><xs:pattern value="**\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}((Z|(\+|-)\d{2}:\d{2}))?/\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}((Z|(\+|-)\d{2}:\d{2}))?**"/>

<!-- The following, "OPEN", introduced in version 2.2 -->

<xs:pattern value="**OPEN**"/>

<!-- The first pattern: < xs:pattern value="\d{2}(\d{2}|\?\?|\d(\d|\?))(-(\d{2}|\?\?))?~?\??"/>, is for year (yyyy) or year-month (yyyy-mm). The last or last two digits of year may be '?' meaning "one year in that range but not sure which year", for example 19?? means some year from 1990 to 1999. Similarly month may be '??' so that 2004-?? "means some month in 2004". And the entire string may end with '?' or '~' for "uncertain" or "approximate". Hyphen must separate year and month. The second pattern: <xs:pattern value="\d{6}(\d{2}|\?\?)~?\??"/>, is for yearMonthDay - yyyymmdd, where 'dd' may be '??' so '200412??' means "some day during the month of 12/2004". The whole string may be followed by '?' or '~' to mean "questionable" or "approximate". hyphens are not allowed for this pattern. The Third patten: <xs:pattern value="\d{8}T\d{6}"/>, is for date and time with T separator:'yyyymmddThhmmss'. Hyphens in date and colons in time not allowed for this pattern. The following pattern: <xs:pattern value="((\d{4}(-\d{2})?)|UNKNOWN)/((\d{4}(-\d{2})?)|UNKNOWN|OPEN)"/> is for a date range. in years: 'yyyy/yyyy'; or year/month: yyyy-mm/yyyy-mm. Beginning or end of range value may be 'UNKNOWN'. End of range value may be 'OPEN'. hyphens mandatory when month is present. The pattern ... <xs:pattern value="\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}((Z|(\+|-)\d{2}:\d{2}))?/\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}((Z|(\+|-)\d{2}:\d{2}))?"></xs:pattern> .... supports time zones, e.g. 2010-04-19T22:41:44Z/2010-04-19T22:48:50Z Or 2010-04-19T22:41:44+02:00/2010-04-19T22:48:50+02:00. The pattern.... <xs:pattern value="OPEN"/> is

introduced in version 2.2 to accomodate date elements that are structured into startDate and endDate. EDTF supports expression of start and end date in a single string (an interval). However, some date elements are still structured into a start and end date, and "OPEN" needs to be supported as an end date. Prior to this version, "OPEN" was valid only within an interval. This allow it to be used as a standalone date. It is intended to be used as such only as the end date of a structured date, but this cannot be enforced. -->
</xs:restriction></xs:simpleType>
<!--
****
****
****
*** Following is the definition of the <mdSec>
element (first introcuced in version 2.1). <mdSec> is offered as an alternative to an extension element,
wherever an extension element occurs.
****
******
****
****** * * * <mdSec> element * * * * *
****
******
****
****** -->
<xs:element type="**mdSecDefinition**" name="**mdSec**"/>
<!-- *********** mdSecDefinition< mdSec> is a generalization of several METS metadata type elements: <dmdSec>, <amdSec>, etc. all of METS type "mdSecType". PREMIS generalized these into a single element because it does not distinguish between these different types of metadata (e.g. administrative vs. descriptive). < mdSec> includes one or both of <mdRef> and <mdWrap>, a reference to external metadata and a wrapper of internal metadata, respectively. <mdRef> is an empty element with a link (an attribute) to external metadata. < mdWrap> includes the metadata, either as <xmlData> or <binData>. -->
<xs:complexType name="**mdSecDefinition**"><xs:all><xs:element ref="**mdRef**" minOccurs="**0**"/><xs:element ref="**mdWrap**" minOccurs="**0**"/></xs:all><xs:attribute type="**xs:ID**" name="**ID**" use="**required**"/><xs:attribute type="**xs:string**" name="**GROUPID**"/><xs:attribute type="**xs:IDREFS**" name="**ADMID**"/><xs:attribute type="**edtfSimpleType**" name="**CREATED**"/><xs:attribute type="**xs:string**" name="**STATUS**"/></xs:complexType>
<!-- *********** mdRefDefinition< mdRef> (metadata reference) is an empty element providing pointers (via xlink and XPTR attributes) to metadata outside the PREMIS document. -->
<xs:complexType name="**mdRefDefinition**"><xs:attribute type="**xs:ID**" name="**ID**"/><xs:attribute type="**LOCTYPEDefinition**" name="**LOCTYPE**" use="**required**"/><xs:attribute type="**xs:string**" name="**OTHERLOCTYPE**"/><xs:attributeGroup ref="**xlink:simpleLink**"/><xs:attributeGroup ref="**metadataAttributeGroup**"/><xs:attributeGroup ref="**filecoreAttributeGroup**"/><xs:attribute type="**xs:string**" name="**LABEL**"/><xs:attribute type="**xs:string**" name="**XPTR**"/>
<!-- -->
<!-- <LOCTYPE> must be supplied, and its value may be "other" in which case <OTHERLOCTYPE> should be supplied. -->
</xs:complexType>
<!-- ********* mdWrapDefinition -->
<xs:complexType name="**mdWrapDefinition**"><xs:choice><xs:element ref="**binData**" minOccurs="**0**"/><xs:element ref="**xmlData**" minOccurs="**0**"/></xs:choice><xs:attribute type="**xs:ID**" name="**ID**"/><xs:attributeGroup ref="**metadataAttributeGroup**"/><xs:attributeGroup ref="**filecoreAttributeGroup**"/><xs:attribute type="**xs:string**" name="**LABEL**"/>
<!-- <mdWrap> (metadata wrapper) wraps metadata in one of the following forms: 1) XML-encoded (belonging to any namespace) wrapped in an <xmlData> element. . 2) Arbitrary Base64 encoded wrapped in a <binData> element. -->
</xs:complexType>
<!-- xmlDataDefinition -->
<xs:complexType name="**xmlDataDefinition**"><xs:sequence><xs:any namespace="**##any**" maxOccurs="**unbounded**" processContents="**lax**"/></xs:sequence></xs:complexType>

```xml
<!-- MDTYPEDefinition -->
<xs:simpleType name="MDTYPEDefinition"><xs:restriction base="xs:string"><xs:enumeration value="MIX"/><xs:enumeration value="LC-VIDEO"/><xs:enumeration value="LC-AUDIO"/><xs:enumeration value="TEXTMD"/><xs:enumeration value="METSRIGHTS"/><xs:enumeration value="CDLCopyright"/><xs:enumeration value="XMLSignature"/><xs:enumeration value="OTHER"/></xs:restriction>
<!-- this list of values differs from the list in METS -->
</xs:simpleType>
<!-- LOCTYPEDefinition -->
<xs:simpleType name="LOCTYPEDefinition"><xs:restriction base="xs:string"><xs:enumeration value="ARK"/><xs:enumeration value="URN"/><xs:enumeration value="URL"/><xs:enumeration value="PURL"/><xs:enumeration value="HANDLE"/><xs:enumeration value="DOI"/><xs:enumeration value="OTHER"/></xs:restriction></xs:simpleType>
<!-- CHECKSUMTYPEDefinition -->
<xs:simpleType name="CHECKSUMTYPEDefinition"><xs:restriction base="xs:string"><xs:enumeration value="Adler-32"/><xs:enumeration value="CRC32"/><xs:enumeration value="HAVAL"/><xs:enumeration value="MD5"/><xs:enumeration value="MNP"/><xs:enumeration value="SHA-1"/><xs:enumeration value="SHA-256"/><xs:enumeration value="SHA-384"/><xs:enumeration value="SHA-512"/><xs:enumeration value="TIGER"/><xs:enumeration value="WHIRLPOOL"/></xs:restriction></xs:simpleType>
<!-- *************** attribute group definitions -->
<!-- **** metadataAttributeGroup -->
<xs:attributeGroup name="metadataAttributeGroup"><xs:attribute type="MDTYPEDefinition" name="MDTYPE" use="required"/><xs:attribute type="xs:string" name="OTHERMDTYPE"/><xs:attribute type="xs:string" name="MDTYPEVERSION"/></xs:attributeGroup>
<!-- **** filecoreAttributeGroup -->
<xs:attributeGroup name="filecoreAttributeGroup"><xs:attribute type="xs:string" name="MIMETYPE"/><xs:attribute type="xs:long" name="SIZE"/><xs:attribute type="edtfSimpleType" name="CREATED"/><xs:attribute type="xs:string" name="CHECKSUM"/><xs:attribute type="CHECKSUMTYPEDefinition" name="CHECKSUMTYPE"/></xs:attributeGroup>
<!-- Element Declarations -->
<xs:element type="xs:base64Binary" name="binData"/><xs:element type="mdRefDefinition" name="mdRef"/><xs:element type="mdWrapDefinition" name="mdWrap"/><xs:element type="xmlDataDefinition" name="xmlData"/>
<!-- -->
</xs:schema>
```

EAD-C DI METADATI

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema targetNamespace="http://roda.dgarq.gov.pt/2014/EADCSchema"
elementFormDefault="qualified" xmlns="http://roda.dgarq.gov.pt/2014/EADCSchema"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
<!-- EAD-C 2008 W3C Schema Version: 200802 Release Date: 20080222 Publisher: Direcção Geral de
Arquivos Funding: Repositório de Objectos Digitais Autênticos *** Comments, questions, and error reports
should be sent to the RODA project team, throught http://roda.dgarq.gov.pt/ *** Authors : (RODA Team)
Cecília Henriques (Direcção Geral de Arquivos) Francisdo Barbedo (Direcção Geral de Arquivos) Glória
Santos (Direcção Geral de Arquivos) José Carlos Ramalho (Universidade do Minho) Luís Corujo (Direcção
Geral de Arquivos) Luís Faria (Direcção Geral de Arquivos) Miguel Ferreira (Universidade do Minho) Rui
Castro (Direcção Geral de Arquivos) This schema is based on EAD W3C Schema
(http://www.loc.gov/ead/ead.xsd). Defines a <c> element, compatible with EAD <c>, but with only the
essential elements to serve RODA's purposes. EAD-C 2008 W3C Schema Version: 2014 Date: 20140303
Changes: * Changed element <c> and <did> definitions -->
<xs:element type="c" name="ead-c"/><xs:simpleType name="av.level"><xs:restriction
base="xs:token"><xs:enumeration value="fonds"/><xs:enumeration value="subfonds"/><xs:enumeration
value="class"/><xs:enumeration value="subclass"/><xs:enumeration value="series"/><xs:enumeration
value="subseries"/><xs:enumeration value="file"/><xs:enumeration value="item"/><xs:enumeration
value="classification_scheme"/><xs:enumeration value="casefile"/><xs:enumeration
value="subfile"/><xs:enumeration value="volume"/><xs:enumeration value="record"/><xs:enumeration
value="component"/></xs:restriction></xs:simpleType><xs:simpleType
name="data.repositorycode"><xs:restriction base="xs:token"><xs:pattern
value="((AF|AX|AL|DZ|AS|AD|AO|AI|AQ|AG|AR|AM|AW|AU|AT|AZ|BS|BH|BD|BB|BY|BE|BZ|BJ|B
M|BT|BO|BA|BW|BV|BR|IO|BN|BG|BF|BI|KH|CM|CA|CV|KY|CF|TD|CL|CN|CX|CC|CO|KM|CG|C
D|CK|CR|CI|HR|CU|CY|CZ|DK|DJ|DM|DO|EC|EG|SV|GQ|ER|EE|ET|FK|FO|FJ|FI|FR|GF|PF|TF|GA
|GM|GE|DE|GH|GI|GR|GL|GD|GP|GU|GT|GN|GW|GY|HT|HM|VA|HN|HK|HU|IS|IN|ID|IR|IQ|IE|IL|
IT|JM|JP|JO|KZ|KE|KI|KP|KR|KW|KG|LA|LV|LB|LS|LR|LY|LI|LT|LU|MO|MK|MG|MW|MY|MV|
ML|MT|MH|MQ|MR|MU|YT|MX|FM|MD|MC|MN|MS|MA|MZ|MM|NA|NR|NP|NL|AN|NC|NZ|NI|N
E|NG|NU|NF|MP|NO|OM|PK|PW|PS|PA|PG|PY|PE|PH|PN|PL|PT|PR|QA|RE|RO|RU|RW|SH|KN|LC|
PM|VC|WS|SM|ST|SA|SN|CS|SC|SL|SG|SK|SI|SB|SO|ZA|GS|ES|LK|SD|SR|SJ|SZ|SE|CH|SY|TW|TJ|T
Z|TH|TL|TG|TK|TO|TT|TN|TR|TM|TC|TV|UG|UA|AE|GB|US|UM|UY|UZ|VU|VE|VN|VG|VI|WF|EH|
YE|ZM|ZW)|([a-zA-Z]{1})|([a-zA-Z]{3,4}))(-[a-zA-Z0-9:/\-
]{1,11})"/></xs:restriction></xs:simpleType><xs:simpleType name="notEmtpyToken"><xs:restriction
base="xs:token"><xs:minLength value="1"/></xs:restriction></xs:simpleType><xs:simpleType
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value="collapse"/><xs:minLength value="1"/></xs:restriction></xs:simpleType><xs:simpleType
name="notEmptyStringWSPreserved"><xs:restriction base="xs:string"><xs:whiteSpace
value="preserve"/><xs:minLength value="1"/></xs:restriction></xs:simpleType><xs:complexType
name="c"><xs:sequence><xs:element type="did" name="did" maxOccurs="1" minOccurs="1"/><xs:group
maxOccurs="unbounded" minOccurs="0" ref="m.desc.full"/></xs:sequence><xs:attribute type="av.level"
name="level" use="required"/></xs:complexType><xs:group name="m.desc.full"><xs:choice><xs:group
ref="m.desc.base"/><xs:element type="note" name="note"/></xs:choice></xs:group><xs:group
name="m.desc.base"><xs:choice><xs:element type="accessrestrict" name="accessrestrict"/><xs:element
type="accruals" name="accruals"/><xs:element type="acqinfo" name="acqinfo"/>
<!-- not yet supported -->
<xs:element type="altformavail" name="altformavail"/><xs:element type="appraisal"
name="appraisal"/><xs:element type="arrangement" name="arrangement"/><xs:element
type="bibliography" name="bibliography"/><xs:element type="bioghist" name="bioghist"/><xs:element
type="controlaccess" name="controlaccess"/><xs:element type="custodhist" name="custodhist"/>
<!-- not yet supported -->
<xs:element type="descgrp" name="descgrp"/>
<!-- not yet supported -->
<xs:element type="fileplan" name="fileplan"/><xs:element type="index" name="index"/><xs:element
type="odd" name="odd"/>
```

```
<!-- not yet supported -->
<xs:element type="originalsloc" name="originalsloc"/><xs:element type="otherfindaid"
name="otherfindaid"/><xs:element type="phystech" name="phystech"/><xs:element type="prefercite"
name="prefercite"/><xs:element type="processinfo" name="processinfo"/><xs:element
type="relatedmaterial" name="relatedmaterial"/><xs:element type="scopecontent"
name="scopecontent"/>
<!-- not yet supported -->
<xs:element type="separatedmaterial" name="separatedmaterial"/><xs:element type="userestrict"
name="userestrict"/></xs:choice></xs:group><xs:complexType name="did"><xs:group
maxOccurs="unbounded" ref="m.did"/></xs:complexType><xs:group
name="m.did"><xs:choice><xs:element type="abstract" name="abstract"/>
<!-- not yet supported -->
<xs:element type="container" name="container"/>
<!-- not yet supported -->
<xs:element type="dao" name="dao"/>
<!-- not yet supported -->
<xs:element type="daogrp" name="daogrp"/><xs:element type="langmaterial"
name="langmaterial"/><xs:element type="materialspec" name="materialspec"/>
<!-- not yet supported -->
<xs:element type="note" name="note"/><xs:element type="origination" name="origination"/><xs:element
type="physdesc" name="physdesc"/>
<!-- not yet supported -->
<xs:element type="physloc" name="physloc"/>
<!-- not yet supported -->
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name="unitdate"/><xs:element type="unitid" name="unitid"/><xs:element type="unittitle"
name="unittitle"/></xs:choice></xs:group><xs:complexType
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base="notEmtpyString"/></xs:simpleContent></xs:complexType><xs:complexType
name="daogrp"><xs:simpleContent><xs:extension
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base="notEmtpyString"/></xs:simpleContent></xs:complexType><xs:complexType
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base="notEmtpyString"/></xs:simpleContent></xs:complexType><xs:complexType
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ref="am.langcode"/><xs:attribute name="scriptcode"><xs:simpleType><xs:restriction
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value="Bali"/><xs:enumeration value="Batk"/><xs:enumeration value="Beng"/><xs:enumeration
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value="Brai"/><xs:enumeration value="Bugi"/><xs:enumeration value="Buhd"/><xs:enumeration
value="Cans"/><xs:enumeration value="Cham"/><xs:enumeration value="Cher"/><xs:enumeration
value="Cirt"/><xs:enumeration value="Copt"/><xs:enumeration value="Cprt"/><xs:enumeration
value="Cyrl"/><xs:enumeration value="Cyrs"/><xs:enumeration value="Deva"/><xs:enumeration
```

value="**Dsrt**"/><xs:enumeration value="**Egyd**"/><xs:enumeration value="**Egyh**"/><xs:enumeration value="**Egyp**"/><xs:enumeration value="**Ethi**"/><xs:enumeration value="**Geok**"/><xs:enumeration value="**Geor**"/><xs:enumeration value="**Glag**"/><xs:enumeration value="**Goth**"/><xs:enumeration value="**Grek**"/><xs:enumeration value="**Gujr**"/><xs:enumeration value="**Guru**"/><xs:enumeration value="**Hang**"/><xs:enumeration value="**Hani**"/><xs:enumeration value="**Hano**"/><xs:enumeration value="**Hans**"/><xs:enumeration value="**Hant**"/><xs:enumeration value="**Hebr**"/><xs:enumeration value="**Hira**"/><xs:enumeration value="**Hmng**"/><xs:enumeration value="**Hrkt**"/><xs:enumeration value="**Hung**"/><xs:enumeration value="**Inds**"/><xs:enumeration value="**Ital**"/><xs:enumeration value="**Java**"/><xs:enumeration value="**Kali**"/><xs:enumeration value="**Kana**"/><xs:enumeration value="**Khar**"/><xs:enumeration value="**Khmr**"/><xs:enumeration value="**Knda**"/><xs:enumeration value="**Laoo**"/><xs:enumeration value="**Latf**"/><xs:enumeration value="**Latg**"/><xs:enumeration value="**Latn**"/><xs:enumeration value="**Lepc**"/><xs:enumeration value="**Limb**"/><xs:enumeration value="**Lina**"/><xs:enumeration value="**Linb**"/><xs:enumeration value="**Mand**"/><xs:enumeration value="**Maya**"/><xs:enumeration value="**Mero**"/><xs:enumeration value="**Mlym**"/><xs:enumeration value="**Mong**"/><xs:enumeration value="**Mymr**"/><xs:enumeration value="**Nkoo**"/><xs:enumeration value="**Ogam**"/><xs:enumeration value="**Orkh**"/><xs:enumeration value="**Orya**"/><xs:enumeration value="**Osma**"/><xs:enumeration value="**Perm**"/><xs:enumeration value="**Phag**"/><xs:enumeration value="**Phnx**"/><xs:enumeration value="**Plrd**"/><xs:enumeration value="**Qaaa**"/><xs:enumeration value="**Qabx**"/><xs:enumeration value="**Roro**"/><xs:enumeration value="**Runr**"/><xs:enumeration value="**Sara**"/><xs:enumeration value="**Shaw**"/><xs:enumeration value="**Sinh**"/><xs:enumeration value="**Sylo**"/><xs:enumeration value="**Syrc**"/><xs:enumeration value="**Syre**"/><xs:enumeration value="**Syrj**"/><xs:enumeration value="**Syrn**"/><xs:enumeration value="**Tagb**"/><xs:enumeration value="**Tale**"/><xs:enumeration value="**Talu**"/><xs:enumeration value="**Taml**"/><xs:enumeration value="**Telu**"/><xs:enumeration value="**Teng**"/><xs:enumeration value="**Tfng**"/><xs:enumeration value="**Tglg**"/><xs:enumeration value="**Thaa**"/><xs:enumeration value="**Thai**"/><xs:enumeration value="**Tibt**"/><xs:enumeration value="**Ugar**"/><xs:enumeration value="**Vaii**"/><xs:enumeration value="**Visp**"/><xs:enumeration value="**Xpeo**"/><xs:enumeration value="**Xsux**"/><xs:enumeration value="**Yiii**"/><xs:enumeration value="**Zxxx**"/><xs:enumeration value="**Zyyy**"/><xs:enumeration value="**Zzzz**"/></xs:restriction></xs:simpleType></xs:attribute></xs:extension></xs:simpleContent></xs:complexType><xs:complexType name="**unitid**"><xs:simpleContent><xs:extension base="**notEmtpyToken**"><xs:attribute type="**data.repositorycode**" name="**repositorycode**" use="**required**"/></xs:extension></xs:simpleContent></xs:complexType><xs:complexType name="**unitdate**"><xs:attributeGroup ref="**am.date.normal**"/></xs:complexType><xs:complexType name="**physdesc**"><xs:all><xs:element type="**dimensions**" name="**dimensions**" maxOccurs="**1**" minOccurs="**0**"/><xs:element type="**physfacet**" name="**physfacet**" maxOccurs="**1**" minOccurs="**0**"/><xs:element type="**extent**" name="**extent**" maxOccurs="**1**" minOccurs="**0**"/><xs:element type="**date**" name="**date**" maxOccurs="**1**" minOccurs="**0**"/><xs:element type="**xs:string**" name="**p**" maxOccurs="**1**" minOccurs="**0**"/><xs:element type="**genreform**" name="**genreform**" maxOccurs="**1**" minOccurs="**0**"/></xs:all></xs:complexType><xs:complexType name="**genreform**"><xs:simpleContent><xs:extension base="**xs:string**"><xs:attribute type="**notEmtpyToken**" name="**source**"/><xs:attribute type="**notEmptyStringWSPreserved**" name="**authfilenumber**"/><xs:attribute type="**notEmptyStringWSPreserved**" name="**normal**"/></xs:extension></xs:simpleContent></xs:complexType><xs:complexType name="**materialspec**"><xs:simpleContent><xs:extension base="**notEmtpyString**"><xs:attribute type="**notEmtpyToken**" name="**label**"/></xs:extension></xs:simpleContent></xs:complexType><xs:complexType name="**date**"><xs:attributeGroup ref="**am.date.normal**"/></xs:complexType><xs:complexType name="**dimensions**"><xs:simpleContent><xs:extension base="**xs:string**"><xs:attribute type="**notEmtpyToken**" name="**unit**"/></xs:extension></xs:simpleContent></xs:complexType><xs:complexType name="**physfacet**"><xs:simpleContent><xs:extension base="**xs:string**"><xs:attribute type="**notEmtpyToken**"

```xml
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base="notEmptyStringWSPreserved"/></xs:simpleContent></xs:complexType><xs:complexType
name="altformavail"><xs:simpleContent><xs:extension
base="xs:string"/></xs:simpleContent></xs:complexType><xs:complexType
name="descgrp"><xs:simpleContent><xs:extension
base="xs:string"/></xs:simpleContent></xs:complexType><xs:complexType
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base="xs:string"/></xs:simpleContent></xs:complexType><xs:complexType
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minOccurs="1"/></xs:sequence></xs:complexType><xs:complexType
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minOccurs="0"/></xs:sequence></xs:complexType><xs:complexType
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xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="info:fedora/fedora-system:def/foxml#"
targetNamespace="info:fedora/fedora-system:def/foxml#">
<!-- the root element for FOXML: digitalObject -->
<xsd:element
name="digitalObject"><xsd:annotation><xsd:documentation/></xsd:annotation><xsd:complexType><xsd:
complexContent><xsd:extension
base="digitalObjectType"/></xsd:complexContent></xsd:complexType></xsd:element>
<!-- complex type declarations -->
<xsd:complexType name="digitalObjectType"><xsd:sequence><xsd:element name="objectProperties"
type="objectPropertiesType"/><xsd:element name="datastream" type="datastreamType"
maxOccurs="unbounded" minOccurs="0"/><xsd:element name="disseminator" type="disseminatorType"
maxOccurs="unbounded" minOccurs="0"/></xsd:sequence><xsd:attribute name="PID" type="pidType"
use="optional"/><xsd:attribute name="FEDORA_URI" type="xsd:anyURI"
use="optional"/><xsd:anyAttribute processContents="lax"
namespace="##other"/></xsd:complexType><xsd:complexType
name="objectPropertiesType"><xsd:sequence><xsd:element name="property" type="propertyType"
maxOccurs="unbounded"/><xsd:element name="extproperty" type="extpropertyType"
maxOccurs="unbounded" minOccurs="0"/></xsd:sequence></xsd:complexType><xsd:complexType
name="datastreamType"><xsd:sequence><xsd:element name="datastreamVersion"
type="datastreamVersionType" maxOccurs="unbounded"/></xsd:sequence><xsd:attribute name="ID"
type="idType" use="required"/><xsd:attribute name="CONTROL_GROUP"
use="required"><xsd:simpleType><xsd:restriction base="xsd:string"><xsd:enumeration
value="E"/><xsd:enumeration value="M"/><xsd:enumeration value="R"/><xsd:enumeration
value="X"/><xsd:enumeration
value="B"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute name="FEDORA_URI"
type="xsd:anyURI" use="optional"/><xsd:attribute name="STATE" type="stateType"
use="optional"/><xsd:attribute name="VERSIONABLE" type="xsd:boolean" use="optional"
default="true"/></xsd:complexType><xsd:complexType
name="datastreamVersionType"><xsd:sequence><xsd:element name="contentDigest"
type="contentDigestType" minOccurs="0"/><xsd:choice><xsd:element name="xmlContent"
type="xmlContentType"/><xsd:element name="contentLocation"
type="contentLocationType"/><xsd:element name="binaryContent"
type="xsd:base64Binary"/></xsd:choice></xsd:sequence><xsd:attribute name="ID" type="idType"
use="required"/><xsd:attribute name="LABEL" type="xsd:string" use="optional"/><xsd:attribute
name="CREATED" type="xsd:dateTime" use="optional"/><xsd:attribute name="MIMETYPE"
type="xsd:string" use="required"/><xsd:attribute name="ALT_IDS" type="uriListType"
use="optional"/><xsd:attribute name="FORMAT_URI" type="xsd:anyURI"
use="optional"/><xsd:attribute name="SIZE" type="xsd:long" use="optional"
default="0"/></xsd:complexType><xsd:complexType name="contentDigestType"><xsd:attribute
name="TYPE" use="optional"><xsd:simpleType><xsd:restriction base="xsd:string"><xsd:enumeration
value="MD5"/><xsd:enumeration value="SHA-1"/><xsd:enumeration value="SHA-
256"/><xsd:enumeration value="SHA-384"/><xsd:enumeration value="SHA-512"/><xsd:enumeration
value="HAVAL"/><xsd:enumeration value="TIGER"/><xsd:enumeration
value="WHIRLPOOL"/><xsd:enumeration
value="DISABLED"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute
name="DIGEST" type="xsd:string" use="optional"/></xsd:complexType><xsd:complexType
name="xmlContentType"><xsd:sequence><xsd:any maxOccurs="unbounded" processContents="skip"
namespace="##any"/></xsd:sequence></xsd:complexType><xsd:complexType
name="contentLocationType"><xsd:attribute name="TYPE"
use="required"><xsd:simpleType><xsd:restriction base="xsd:string"><xsd:enumeration
```

```xml
value="INTERNAL_ID"/><xsd:enumeration
value="URL"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute name="REF"
use="required"><xsd:simpleType><xsd:restriction base="xsd:anyURI"><xsd:minLength
value="1"/></xsd:restriction></xsd:simpleType>
<!--<xsd:simpleType>-->
<!-- <xsd:restriction base="xsd:token">-->
<!--<xsd:minLength value="1"/>-->
<!--</xsd:restriction>-->
<!--</xsd:simpleType>-->
</xsd:attribute></xsd:complexType><xsd:complexType
name="disseminatorType"><xsd:sequence><xsd:element name="disseminatorVersion"
type="disseminatorVersionType" maxOccurs="unbounded"/></xsd:sequence><xsd:attribute name="ID"
type="idType" use="required"/><xsd:attribute name="BDEF_CONTRACT_PID"
use="required"><xsd:simpleType><xsd:restriction base="nonEmptyStringType"><xsd:maxLength
value="64"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute name="STATE"
type="stateType" use="optional"/><xsd:attribute name="VERSIONABLE" type="xsd:boolean"
use="optional" default="true"/></xsd:complexType><xsd:complexType
name="disseminatorVersionType"><xsd:sequence><xsd:element name="serviceInputMap"
type="serviceInputMapType" minOccurs="0"/></xsd:sequence><xsd:attribute name="ID" type="idType"
use="required"/><xsd:attribute name="BMECH_SERVICE_PID"
use="required"><xsd:simpleType><xsd:restriction base="nonEmptyStringType"><xsd:maxLength
value="64"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute name="CREATED"
type="xsd:dateTime" use="optional"/><xsd:attribute name="LABEL" type="xsd:string"
use="optional"/></xsd:complexType><xsd:complexType
name="serviceInputMapType"><xsd:sequence><xsd:element name="datastreamBinding"
type="datastreamBindingType"
maxOccurs="unbounded"/></xsd:sequence></xsd:complexType><xsd:complexType
name="datastreamBindingType"><xsd:attribute name="KEY"
use="required"><xsd:simpleType><xsd:restriction base="nonEmptyStringType"><xsd:maxLength
value="64"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute
name="DATASTREAM_ID" type="xsd:IDREF" use="required"/><xsd:attribute name="LABEL"
type="xsd:string" use="optional"/><xsd:attribute name="ORDER" type="xsd:string"
use="optional"/></xsd:complexType><xsd:complexType name="propertyType"><xsd:attribute
name="NAME" use="required"><xsd:simpleType><xsd:restriction base="xsd:string"><xsd:enumeration
value="http://www.w3.org/1999/02/22-rdf-syntax-ns#type"/><xsd:enumeration
value="info:fedora/fedora-system:def/model#state"/><xsd:enumeration value="info:fedora/fedora-
system:def/model#label"/><xsd:enumeration value="info:fedora/fedora-
system:def/model#createdDate"/><xsd:enumeration value="info:fedora/fedora-
system:def/view#lastModifiedDate"/><xsd:enumeration value="info:fedora/fedora-
system:def/model#contentModel"/><xsd:enumeration value="info:fedora/fedora-
system:def/model#ownerId"/></xsd:restriction></xsd:simpleType></xsd:attribute><xsd:attribute
name="VALUE" type="xsd:string" use="required"/></xsd:complexType><xsd:complexType
name="extpropertyType"><xsd:attribute name="NAME" type="xsd:string"
use="required"/><xsd:attribute name="VALUE" type="xsd:string"
use="required"/></xsd:complexType><xsd:simpleType name="stateType"><xsd:restriction
base="xsd:string"><xsd:enumeration value="A"/><xsd:enumeration value="D"/><xsd:enumeration
value="I"/></xsd:restriction></xsd:simpleType>
<!-- See http://www.fedora.info/definitions/identifiers/ -->
<xsd:simpleType name="pidType"><xsd:restriction base="xsd:string"><xsd:maxLength
value="64"/><xsd:pattern value="([A-Za-z0-9]|-|\.)+:(([A-Za-z0-9])|-|\.|~|_|(%[0-9A-
F]{2}))+"/></xsd:restriction></xsd:simpleType><xsd:simpleType
name="nonEmptyStringType"><xsd:restriction base="xsd:string"><xsd:minLength
value="1"/></xsd:restriction></xsd:simpleType><xsd:simpleType name="idType"><xsd:restriction
base="xsd:ID"><xsd:maxLength value="64"/></xsd:restriction></xsd:simpleType><xsd:simpleType
name="uriListType"><xsd:list itemType="xsd:anyURI"/></xsd:simpleType></xsd:schema>
```