



SÄHKE-hanke
Tekninen mallintaminen
Metatietojen XML Schema
Aineiston_metatiedot.xsd.
04.02.2005

TietoEnator ^{TE}

Liite 1a
1 (12)

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SÄHKE-metatietojen XML Schema
Aineiston_metatiedot.xsd.

Versio ja pvm	Laatinut	Tarkpvm	Tarkastanut	Hyvppvm	Hyväksynyt
2.0 / 04.02.2005	Lasse Akselin	15.02.2005	Markus Merenmies	18.02.2005	Ohjausryhmä



Muutoshistoria

Versio ja pvm	Laatija	Muutoksen kuvaus
2.0 / 04.02.2005	Lasse Akselin	TE:n toimittama versio

Aineiston_metatiedot.xsd.

Tässä asiakirjassa on kuvattu siirrettävän aineiston kuvailutiedot XML Schemana.

Pääsääntöisesti jokaisesta Abstraktin mallintamisen yhteydessä kuvatusta UML:n kaavion luokasta on XML Schemaan luotu oma tietotyypinsä.

Tietoteknisistä syistä UML-kuvausta ei kuitenkaan ole muunnettu orjallisesti, vaan lähtökohdaksi on otettu, että XML skeema olisi ”XML-näkökulmasta” katsottuna mahdollisimman joustava ja XML-taitoiselle helposti avautuva.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<xs:schema targetNamespace="http://www.narc.fi/sahke/aineiston_metatiedot20"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:narc="http://www.narc.fi/sahke/aineiston_metatiedot20" element-
FormDefault="qualified">
  <!-- ===== -->
  <!-- Package: <<XSDschema>> NARCV5 -->
  <!-- ===== -->
  <!-- ~~~~~~ -->
  <!-- Class: <<XSDcomplexType>> ActionType -->
  <!-- ~~~~~~ -->
  <xs:complexType name="ActionType">
    <xs:sequence>
      <xs:element name="mainTitle" type="xs:string"/>
      <xs:element name="actionCreator" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="role" type="narc:CreatorRoleForAction"/>
            <xs:element name="personalName" type="xs:string" minOccurs="0"/>
            <xs:element name="corporateName" type="xs:string" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="mainDescription" type="xs:string" minOccurs="0"/>
      <xs:element name="additionalInformation" type="xs:string" minOccurs="0"/>
      <xs:element name="abstract" type="xs:string" minOccurs="0"/>
      <xs:element name="type" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>
```



```
<xs:element name="status" type="xs:string" minOccurs="0"/>
<xs:element name="nativeId" type="xs:string"/>
<xs:element name="created" type="xs:date"/>
<xs:element name="issued" type="xs:date" minOccurs="0"/>
<xs:element name="accepted" type="xs:date" minOccurs="0"/>
<xs:element name="available" type="xs:date" minOccurs="0"/>
<xs:element name="acquired" type="xs:date" minOccurs="0"/>
<xs:element name="modified" type="xs:date" minOccurs="0"/>
<xs:element name="sent" type="xs:date" minOccurs="0"/>
<xs:element name="valid" type="narc:TimePeriodType" minOccurs="0"/>
<xs:element name="finished" type="xs:date" minOccurs="0"/>
<xs:element name="document" type="narc:DocumentType" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="audittrail" type="narc:AuditTrailType" maxOccurs="unbounded"/>
<xs:element name="otheridentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
<xs:attribute name="ID" type="xs:integer" use="required"/>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> ArchiveType -->
<!-- ~~~~~ -->
<xs:complexType name="ArchiveType">
  <xs:sequence>
    <xs:element name="mainTitle" type="xs:string"/>
    <xs:element name="archiveAgent" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="role" type="narc:AgentRoleForArchive"/>
          <xs:element name="personalName" type="xs:string" minOccurs="0"/>
          <xs:element name="corporateName" type="xs:string"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="mainDescription" type="xs:string"/>
    <xs:element name="additionalInformation" type="xs:string" minOccurs="0"/>
    <xs:element name="abstract" type="xs:string" minOccurs="0"/>
    <xs:element name="language" type="xs:string"/>
    <xs:element name="jurisdictionalCoverage" type="xs:string" minOccurs="0"/>
    <xs:element name="spatialCoverage" type="xs:string" minOccurs="0"/>
    <xs:element name="temporalCoverage" type="xs:string"/>
    <xs:element name="nativeId" type="xs:string"/>
    <xs:element name="source" type="xs:string" minOccurs="0"/>
    <xs:element name="storageLocation" type="xs:string" minOccurs="0"/>
    <xs:element name="storageType" type="xs:string" minOccurs="0"/>
    <xs:element name="group" type="narc:GroupType" maxOccurs="unbounded"/>
    <xs:element name="otheridentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="preservation" type="narc:PreservationType" minOccurs="0" maxOc-
curs="unbounded"/>
    <xs:element name="audittrail" type="narc:AuditTrailType" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> AuditTrailType -->
<!-- ~~~~~ -->
<xs:complexType name="AuditTrailType">
```



```
<xs:sequence>
  <xs:element name="date" type="xs:date"/>
  <xs:element name="creator" type="xs:string"/>
  <xs:element name="action" type="xs:string"/>
  <xs:element name="description" type="xs:string" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> CaseType -->
<!-- ~~~~~ -->
<xs:complexType name="CaseType">
  <xs:sequence>
    <xs:element name="mainTitle" type="xs:string"/>
    <xs:element name="caseAgent" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="role" type="narc:AgentRoleForCase"/>
          <xs:element name="personalName" type="xs:string" minOccurs="0"/>
          <xs:element name="corporateName" type="xs:string" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="subject" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="mainDescription" type="xs:string" minOccurs="0"/>
    <xs:element name="additionalInformation" type="xs:string" minOccurs="0"/>
    <xs:element name="abstract" type="xs:string" minOccurs="0"/>
    <xs:element name="type" type="xs:string" minOccurs="0"/>
    <xs:element name="language" type="xs:string"/>
    <xs:element name="status" type="xs:string"/>
    <xs:element name="nativeId" type="xs:string"/>
    <xs:element name="created" type="xs:date"/>
    <xs:element name="issued" type="xs:date" minOccurs="0"/>
    <xs:element name="available" type="xs:date" minOccurs="0"/>
    <xs:element name="acquired" type="xs:date" minOccurs="0"/>
    <xs:element name="dataGathered" type="xs:date" minOccurs="0"/>
    <xs:element name="modified" type="xs:date" minOccurs="0"/>
    <xs:element name="sent" type="xs:date" minOccurs="0"/>
    <xs:element name="finished" type="xs:date" minOccurs="0"/>
    <xs:element name="caseRelation" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="relationType" type="narc:RelationTypeForCase"/>
          <xs:element name="target" type="xs:string"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="storageLocation" type="xs:string" minOccurs="0"/>
    <xs:element name="storageType" type="xs:string" minOccurs="0"/>
    <xs:element name="retentionPeriod" type="xs:integer"/>
    <xs:element name="retentionReason" type="xs:string"/>
    <xs:element name="retentionPeriodEnd" type="xs:date" minOccurs="0"/>
    <xs:element name="action" type="narc:ActionType" maxOccurs="unbounded"/>
    <xs:element name="otherIdentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="restriction" type="narc:RestrictionType"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
```



```
<xs:element name="preservation" type="narc:PreservationType" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="audittrail" type="narc:AuditTrailType" maxOccurs="unbounded"/>
<xs:element name="electronicNotification" type="narc:ElectronicNotificationType" minOccurs="0"/>
</xs:sequence>
<xs:attribute name="ID" type="xs:integer" use="required"/>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> IdentifierType -->
<!-- ~~~~~ -->
<xs:complexType name="IdentifierType">
  <xs:sequence>
    <xs:element name="otherId" type="xs:string"/>
    <xs:element name="idType" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> RestrictionType -->
<!-- ~~~~~ -->
<xs:complexType name="RestrictionType">
  <xs:sequence>
    <xs:element name="publicityClass">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="0"/>
          <xs:enumeration value="1"/>
          <xs:enumeration value="2"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="securityReason" type="xs:string" minOccurs="0"/>
    <xs:element name="securityClass" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="0"/>
          <xs:enumeration value="1"/>
          <xs:enumeration value="2"/>
          <xs:enumeration value="3"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="securityPeriod" type="xs:integer" minOccurs="0"/>
    <xs:element name="securityPeriodEnd" type="xs:date" minOccurs="0"/>
    <xs:element name="personalData" type="xs:integer"/>
    <xs:element name="person" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="name" type="xs:string"/>
          <xs:element name="ssn" type="xs:string" minOccurs="0"/>
          <xs:element name="electronicIdentification" type="xs:string" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="owner" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```



```
<xs:element name="accessRight" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="personName" type="xs:string"/>
      <xs:element name="role" type="xs:string"/>
      <xs:element name="description" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> DocumentType -->
<!-- ~~~~~ -->
<xs:complexType name="DocumentType">
  <xs:sequence>
    <xs:element name="mainTitle" type="xs:string"/>
    <xs:element name="alternativeTitle" type="xs:string" minOccurs="0"/>
    <xs:element name="documentAgent" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="role" type="narc:AgentRoleForDocument"/>
          <xs:element name="personalName" type="xs:string"/>
          <xs:element name="corporateName" type="xs:string" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="subject" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="mainDescription" type="xs:string" minOccurs="0"/>
    <xs:element name="abstract" type="xs:string" minOccurs="0"/>
    <xs:element name="tableOfContents" type="xs:string" minOccurs="0"/>
    <xs:element name="type" type="xs:string"/>
    <xs:element name="language" type="xs:string"/>
    <xs:element name="jurisdictionCoverage" type="xs:string" minOccurs="0"/>
    <xs:element name="spatialCoverage" type="xs:string" minOccurs="0"/>
    <xs:element name="temporalCoverage" type="xs:string" minOccurs="0"/>
    <xs:element name="status" type="xs:string"/>
    <xs:element name="nativeId" type="xs:string"/>
    <xs:element name="created" type="xs:date"/>
    <xs:element name="issued" type="xs:date" minOccurs="0"/>
    <xs:element name="accepted" type="xs:date" minOccurs="0"/>
    <xs:element name="available" type="xs:date" minOccurs="0"/>
    <xs:element name="acquired" type="xs:date" minOccurs="0"/>
    <xs:element name="dataGathered" type="xs:date" minOccurs="0"/>
    <xs:element name="modified" type="xs:date" minOccurs="0"/>
    <xs:element name="sent" type="xs:date" minOccurs="0"/>
    <xs:element name="valid" type="narc:TimePeriodType" minOccurs="0"/>
    <xs:element name="version" type="xs:string"/>
    <xs:element name="source" type="xs:string" minOccurs="0"/>
    <xs:element name="documentRelation" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="relationType" type="narc:RelationTypeForDocument"/>
          <xs:element name="target" type="xs:string"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>
```



```
</xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="rights" type="xs:string" minOccurs="0"/>
<xs:element name="retentionPeriod" type="xs:integer"/>
<xs:element name="retentionPeriodEnd" type="xs:date" minOccurs="0"/>
<xs:element name="retentionReason" type="xs:string"/>
<xs:element name="destructionDate" type="xs:date" minOccurs="0"/>
<xs:element name="destructionMethod" type="xs:string" minOccurs="0"/>
<xs:element name="destructionAuthorization" type="xs:string" minOccurs="0"/>
<xs:element name="destructionReason" type="xs:string" minOccurs="0"/>
<xs:element name="availability" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="corporatename" type="xs:string" minOccurs="0"/>
      <xs:element name="personalName" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="storageLocation" type="xs:string" minOccurs="0"/>
<xs:element name="storageType" type="xs:string" minOccurs="0"/>
<xs:element name="audience" type="xs:string" minOccurs="0"/>
<xs:element name="protectionClass" type="xs:string" minOccurs="0"/>
<xs:element name="authenticity" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="checker" type="xs:string"/>
      <xs:element name="date" type="xs:date"/>
      <xs:element name="description" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="restriction" type="narc:RestrictionType"/>
<xs:element name="audittrail" type="narc:AuditTrailType" maxOccurs="unbounded"/>
<xs:element name="otheridentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="preservation" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="preservation" type="narc:PreservationType"/>
      <xs:element name="format" type="narc:FormatType"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="ID" type="xs:integer" use="required"/>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> MetadataOfArchiveType -->
<!-- ~~~~~ -->
<xs:element name="metadataOfArchiveType">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="recordsCreator" type="narc:RecordsCreatorType" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



```
</xs:complexType>
</xs:element>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> PreservationType -->
<!-- ~~~~~ -->
<xs:complexType name="PreservationType">
  <xs:sequence>
    <xs:element name="date" type="xs:date"/>
    <xs:element name="creator" type="xs:string"/>
    <xs:element name="actionType" type="xs:string"/>
    <xs:element name="description" type="xs:string" minOccurs="0"/>
    <xs:element name="authorization" type="xs:string" minOccurs="0"/>
    <xs:element name="changeReason" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> RecordsCreatorType -->
<!-- ~~~~~ -->
<xs:complexType name="RecordsCreatorType">
  <xs:sequence>
    <xs:element name="mainName" type="xs:string"/>
    <xs:element name="subName" type="xs:string" minOccurs="0"/>
    <xs:element name="othername" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="mainName" type="xs:string" minOccurs="0"/>
          <xs:element name="subName" type="xs:string" minOccurs="0"/>
          <xs:element name="valid" type="narc:TimePeriodType" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="mainDescription" type="xs:string" minOccurs="0"/>
    <xs:element name="nativeId" type="xs:string"/>
    <xs:element name="archive" type="narc:ArchiveType" maxOccurs="unbounded"/>
    <xs:element name="otheridentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> GroupType -->
<!-- ~~~~~ -->
<xs:complexType name="GroupType">
  <xs:sequence>
    <xs:element name="mainTitle" type="xs:string"/>
    <xs:element name="groupAgent" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="role" type="narc:AgentRoleForGroup"/>
          <xs:element name="personalName" type="xs:string" minOccurs="0"/>
          <xs:element name="corporateName" type="xs:string" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="mainDescription" type="xs:string" minOccurs="0"/>
    <xs:element name="additionalInformation" type="xs:string" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```



```
<xs:element name="abstract" type="xs:string" minOccurs="0"/>
<xs:element name="language" type="xs:string"/>
<xs:element name="nativeId" type="xs:string"/>
<xs:element name="created" type="xs:date"/>
<xs:element name="valid" type="narc:TimePeriodType"/>
<xs:element name="modified" type="xs:date" minOccurs="0"/>
<xs:element name="groupRelation" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="relationType" type="narc:RelationTypeForGroup"/>
      <xs:element name="target" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="retentionPeriod" type="xs:integer"/>
<xs:element name="retentionPeriodEnd" type="xs:date" minOccurs="0"/>
<xs:element name="retentionReason" type="xs:string"/>
<xs:element name="storageLocation" type="xs:string" minOccurs="0"/>
<xs:element name="storageType" type="xs:string" minOccurs="0"/>
<xs:element name="protectionClass" type="xs:string" minOccurs="0"/>
<xs:element name="case" type="narc:CaseType" maxOccurs="unbounded"/>
<xs:element name="otheridentifier" type="narc:IdentifierType" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="restriction" type="narc:RestrictionType"/>
<xs:element name="preservation" type="narc:PreservationType" minOccurs="0" maxOc-
curs="unbounded"/>
  <xs:element name="audittrail" type="narc:AuditTrailType" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> CreatorRoleForAction -->
<!-- ~~~~~ -->
<xs:simpleType name="CreatorRoleForAction">
  <xs:restriction base="xs:string">
    <xs:enumeration value="presenter"/>
    <xs:enumeration value="registrar"/>
    <xs:enumeration value="mainCreator"/>
    <xs:enumeration value="sender"/>
    <xs:enumeration value="solver"/>
    <xs:enumeration value="mandator"/>
    <xs:enumeration value="draftsman"/>
    <xs:enumeration value="receiver"/>
    <xs:enumeration value="responsible"/>
  </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> AgentRoleForCase -->
<!-- ~~~~~ -->
<xs:simpleType name="AgentRoleForCase">
  <xs:restriction base="xs:string">
    <xs:enumeration value="presenter"/>
    <xs:enumeration value="registrar"/>
    <xs:enumeration value="mainCreator"/>
    <xs:enumeration value="solver"/>
    <xs:enumeration value="mandator"/>
```



```
        <xs:enumeration value="draftsman"/>
        <xs:enumeration value="responsible"/>
    </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> AgentRoleForDocument -->
<!-- ~~~~~ -->
<xs:simpleType name="AgentRoleForDocument">
    <xs:restriction base="xs:string">
        <xs:enumeration value="presenter"/>
        <xs:enumeration value="publisher"/>
        <xs:enumeration value="mainCreator"/>
        <xs:enumeration value="sender"/>
        <xs:enumeration value="contributor"/>
        <xs:enumeration value="solver"/>
        <xs:enumeration value="mandator"/>
        <xs:enumeration value="receiver"/>
    </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> RelationTypeForCase -->
<!-- ~~~~~ -->
<xs:simpleType name="RelationTypeForCase">
    <xs:restriction base="xs:string">
        <xs:enumeration value="replaces"/>
        <xs:enumeration value="isReplacedBy"/>
        <xs:enumeration value="references"/>
        <xs:enumeration value="isReferencedBy"/>
    </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> RelationTypeForDocument -->
<!-- ~~~~~ -->
<xs:simpleType name="RelationTypeForDocument">
    <xs:restriction base="xs:string">
        <xs:enumeration value="replaces"/>
        <xs:enumeration value="isReplacedBy"/>
        <xs:enumeration value="requires"/>
        <xs:enumeration value="isRequiredBy"/>
        <xs:enumeration value="hasPart"/>
        <xs:enumeration value="isPartOf"/>
        <xs:enumeration value="references"/>
        <xs:enumeration value="isReferencedBy"/>
        <xs:enumeration value="hasFormat"/>
        <xs:enumeration value="isFormatOf"/>
        <xs:enumeration value="hasVersion"/>
        <xs:enumeration value="isVersionOf"/>
        <xs:enumeration value="hasRedaction"/>
        <xs:enumeration value="isRedactionOf"/>
    </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: TimePeriodType -->
<!-- ~~~~~ -->
```



```
<xs:complexType name="TimePeriodType">
  <xs:sequence>
    <xs:element name="start" type="xs:date"/>
    <xs:element name="end" type="xs:date" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> AgentRoleForArchive -->
<!-- ~~~~~ -->
<xs:simpleType name="AgentRoleForArchive">
  <xs:restriction base="xs:string">
    <xs:enumeration value="contributor"/>
    <xs:enumeration value="responsible"/>
    <xs:enumeration value="responsibleUnit"/>
  </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> AgentRoleForGroup -->
<!-- ~~~~~ -->
<xs:simpleType name="AgentRoleForGroup">
  <xs:restriction base="xs:string">
    <xs:enumeration value="presenter"/>
    <xs:enumeration value="registrar"/>
    <xs:enumeration value="mainCreator"/>
    <xs:enumeration value="solver"/>
    <xs:enumeration value="draftsman"/>
  </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<enumeration>> RelationTypeForGroup -->
<!-- ~~~~~ -->
<xs:simpleType name="RelationTypeForGroup">
  <xs:restriction base="xs:string">
    <xs:enumeration value="replaces"/>
    <xs:enumeration value="isReplacedBy"/>
    <xs:enumeration value="hasPart"/>
    <xs:enumeration value="isPartOf"/>
    <xs:enumeration value="references"/>
    <xs:enumeration value="isReferencedBy"/>
  </xs:restriction>
</xs:simpleType>
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> ElectronicNotificationType -->
<!-- ~~~~~ -->
<xs:complexType name="ElectronicNotificationType">
  <xs:sequence>
    <xs:element name="acceptanceDate" type="xs:date"/>
    <xs:element name="description" type="xs:string" minOccurs="0"/>
    <xs:element name="period" type="narc:TimePeriodType" minOccurs="0"/>
    <xs:element name="delivered" type="xs:date" minOccurs="0"/>
    <xs:element name="deliveryDate" type="xs:date" minOccurs="0"/>
    <xs:element name="arrivalDate" type="xs:date" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```



```
<!-- ~~~~~ -->
<!-- Class: <<XSDcomplexType>> FormatType -->
<!-- ~~~~~ -->
<xs:complexType name="FormatType">
  <xs:sequence>
    <xs:element name="extent" type="xs:integer" minOccurs="0"/>
    <xs:element name="medium" type="xs:string" minOccurs="0"/>
    <xs:element name="fileFormat" type="xs:string" minOccurs="0"/>
    <xs:element name="encryption" type="xs:string" minOccurs="0"/>
    <xs:element name="compression" type="xs:string" minOccurs="0"/>
    <xs:element name="hardwareSupport" type="xs:string" minOccurs="0"/>
    <xs:element name="softwareSupport" type="xs:string" minOccurs="0"/>
    <xs:element name="significantColor" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>
</xs:schema>
```