Schema **MensajeHacienda.xsd**

schema location: e:\Documents\NetBeansProjects\Ministerio de Hacienda\xml-schemas\MensajeHacienda.xsd
attributeFormDefault: **unqualified**
elementFormDefault: **qualified**
targetNamespace: **https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda**

Elements
MensajeHacienda

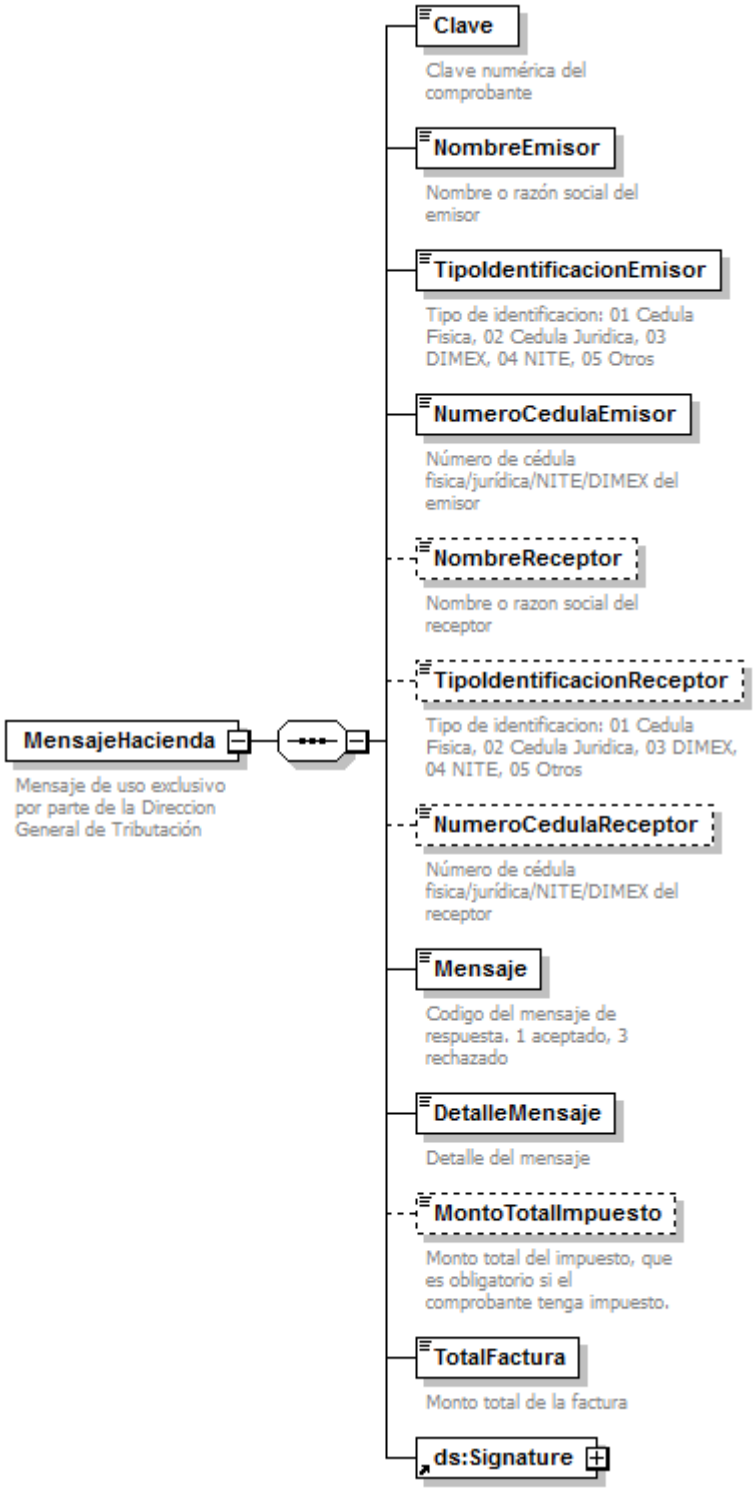
schema location: C:\Program Files\Altova\Common2016\Schemas\xmldsig\files\xmldsig-core-schema.xsd
attributeFormDefault:
elementFormDefault: **qualified**
targetNamespace: **http://www.w3.org/2000/09/xmldsig#**

Elements
CanonicalizationMethod
DigestMethod
DigestValue
DSAKeyValue
KeyInfo
KeyName
KeyValue
Manifest
MgmtData
Object
PGPData
Reference
RetrievalMethod
RSAKeyValue
Signature
SignatureMethod
SignatureProperties
SignatureProperty
SignatureValue
SignedInfo
SPKIData
Transform
Transforms
X509Data

Complex types
CanonicalizationMethodType
DigestMethodType
DSAKeyValueType
KeyInfoType
KeyValueType
ManifestType
ObjectType
PGPDataType
ReferenceType
RetrievalMethodType
RSAKeyValueType
SignatureMethodType
SignaturePropertiesType
SignaturePropertyType
SignatureType
SignatureValueType
SignedInfoType
SPKIDataType
TransformsType
TransformType
X509DataType
X509IssuerSerialType

Simple types
CryptoBinary
DigestValueType
HMACOutputLengthType

element **MensajeHacienda**

diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
properties	content complex
children	Clave NombreEmisor TipoIdentificacionEmisor NumeroCedulaEmisor NombreReceptor TipoIdentificacionReceptor NumeroCedulaReceptor Mensaje DetalleMensaje MontoTotalImpuesto TotalFactura ds:Signature

annotation	documentation Mensaje de uso exclusivo por parte de la Direccion General de Tributación

source

```
<xs:element name="MensajeHacienda">
 <xs:annotation>
  <xs:documentation>Mensaje de uso exclusivo por parte de la Direccion General de Tributación</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="Clave">
    <xs:annotation>
     <xs:documentation>Clave numérica del comprobante</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:pattern value="\d{50,50}"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="NombreEmisor">
    <xs:annotation>
     <xs:documentation>Nombre o razón social del emisor</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="80"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TipoIdentificacionEmisor" nillable="false">
    <xs:annotation>
     <xs:documentation>Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:enumeration value="01">
       <xs:annotation>
        <xs:documentation>Cedula Fisica</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
       <xs:annotation>
        <xs:documentation> Cedula Juridica</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
       <xs:annotation>
        <xs:documentation>DIMEX</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
       <xs:annotation>
        <xs:documentation>NITE</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
```

```
          <xs:enumeration value="05">
            <xs:annotation>
              <xs:documentation>Otros</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="NumeroCedulaEmisor">
      <xs:annotation>
        <xs:documentation>Número de cédula fisica/jurídica/NITE/DIMEX del
emisor</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:totalDigits value="12"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="NombreReceptor" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Nombre o razon social del receptor</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="80"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="TipoIdentificacionReceptor" nillable="false" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX,
04 NITE, 05 Otros</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="01">
            <xs:annotation>
              <xs:documentation>Cedula Fisica</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="02">
            <xs:annotation>
              <xs:documentation> Cedula Juridica</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="03">
            <xs:annotation>
              <xs:documentation>DIMEX</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="04">
            <xs:annotation>
              <xs:documentation>NITE</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
```

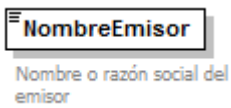
```
          <xs:enumeration value="05">
            <xs:annotation>
              <xs:documentation>Otros</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="NumeroCedulaReceptor" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Número de cédula fisica/jurídica/NITE/DIMEX del
receptor</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="12"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Mensaje">
      <xs:annotation>
        <xs:documentation>Codigo del mensaje de respuesta. 1 aceptado, 3
rechazado</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:enumeration value="1">
            <xs:annotation>
              <xs:documentation>Aceptado</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="3">
            <xs:annotation>
              <xs:documentation>Rechazado</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="DetalleMensaje">
      <xs:annotation>
        <xs:documentation>Detalle del mensaje</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="80"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="MontoTotalImpuesto" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Monto total del impuesto, que es obligatorio si el comprobante tenga
impuesto.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:decimal">
```

```
            <xs:totalDigits value="18"/>
            <xs:fractionDigits value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TotalFactura">
        <xs:annotation>
          <xs:documentation>Monto total de la factura</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="18"/>
            <xs:fractionDigits value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="ds:Signature" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **MensajeHacienda/Clave**

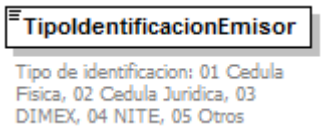
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation pattern \d{50,50}
annotation	documentation Clave numérica del comprobante
source	<xs:element name="Clave"> <xs:annotation> <xs:documentation>Clave numérica del comprobante</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="\d{50,50}"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/NombreEmisor**

diagram	

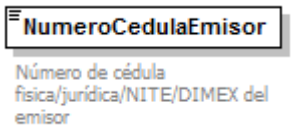
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 80
annotation	documentation Nombre o razón social del emisor
source	<xs:element name="NombreEmisor"> <xs:annotation> <xs:documentation>Nombre o razón social del emisor</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/TipoIdentificacionEmisor**

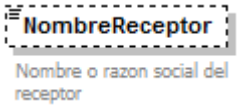
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	content simple nillable false
facets	Kind Value Annotation enumeration 01 documentation Cedula Fisica enumeration 02 documentation Cedula Juridica enumeration 03 documentation DIMEX enumeration 04 documentation NITE enumeration 05 documentation Otros
annotation	documentation Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros
source	<xs:element name="TipoIdentificacionEmisor" nillable="false"> <xs:annotation> <xs:documentation>Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="01"> <xs:annotation> <xs:documentation>Cedula Fisica</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="02">

```
      <xs:annotation>
        <xs:documentation> Cedula Juridica</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation>DIMEX</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation>NITE</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="05">
      <xs:annotation>
        <xs:documentation>Otros</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

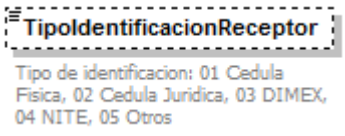
element **MensajeHacienda/NumeroCedulaEmisor**

diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation totalDigits 12
annotation	documentation Número de cédula fisica/jurídica/NITE/DIMEX del emisor
source	<xs:element name="NumeroCedulaEmisor"> <xs:annotation> <xs:documentation>Número de cédula fisica/jurídica/NITE/DIMEX del emisor</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:totalDigits value="12"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/NombreReceptor**

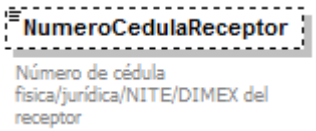
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 80
annotation	documentation Nombre o razon social del receptor
source	<xs:element name="NombreReceptor" minOccurs="0"> <xs:annotation> <xs:documentation>Nombre o razon social del receptor</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/TipoIdentificacionReceptor**

diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple nillable false
facets	Kind Value Annotation enumeration 01 documentation Cedula Fisica enumeration 02 documentation Cedula Juridica enumeration 03 documentation DIMEX enumeration 04 documentation NITE enumeration 05 documentation Otros
annotation	documentation Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros
source	<xs:element name="TipoIdentificacionReceptor" nillable="false" minOccurs="0"> <xs:annotation> <xs:documentation>Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros</xs:documentation> </xs:annotation>

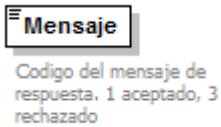
```
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>Cedula Fisica</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation> Cedula Juridica</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation>DIMEX</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation>NITE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation>Otros</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MensajeHacienda/NumeroCedulaReceptor**

diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12
annotation	documentation Número de cédula fisica/jurídica/NITE/DIMEX del receptor
source	<xs:element name="NumeroCedulaReceptor" minOccurs="0"> <xs:annotation> <xs:documentation>Número de cédula fisica/jurídica/NITE/DIMEX del receptor</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string">

```
      <xs:maxLength value="12"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MensajeHacienda/Mensaje**

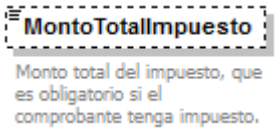
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 1 documentation Aceptado enumeration 3 documentation Rechazado
annotation	documentation Codigo del mensaje de respuesta. 1 aceptado, 3 rechazado
source	<xs:element name="Mensaje"> <xs:annotation> <xs:documentation>Codigo del mensaje de respuesta. 1 aceptado, 3 rechazado</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Aceptado</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Rechazado</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/DetalleMensaje**

diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:string**
properties	content simple

facets	Kind Value Annotation maxLength 80
annotation	documentation Detalle del mensaje
source	<xs:element name="DetalleMensaje"> <xs:annotation> <xs:documentation>Detalle del mensaje</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/MontoTotalImpuesto**

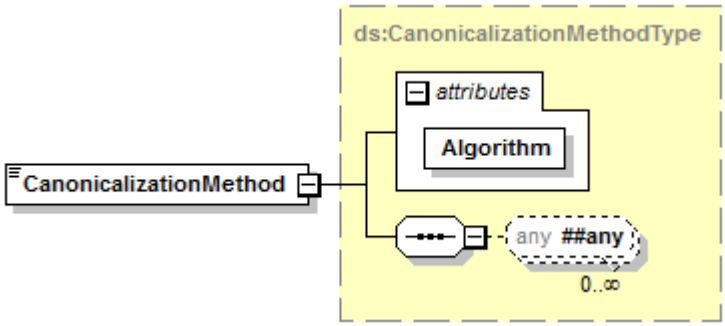
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 5
annotation	documentation Monto total del impuesto, que es obligatorio si el comprobante tenga impuesto.
source	<xs:element name="MontoTotalImpuesto" minOccurs="0"> <xs:annotation> <xs:documentation>Monto total del impuesto, que es obligatorio si el comprobante tenga impuesto.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="18"/> <xs:fractionDigits value="5"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MensajeHacienda/TotalFactura**

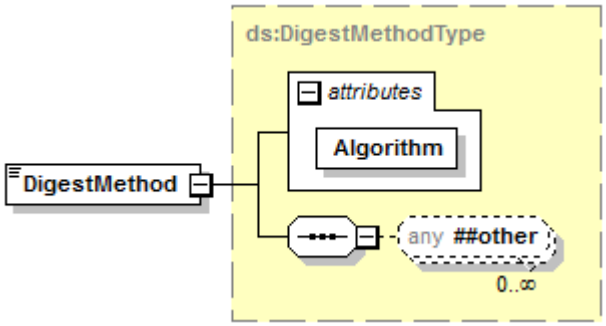
diagram	
namespace	https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda

type	restriction of **xs:decimal**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 5
annotation	documentation Monto total de la factura
source	<xs:element name="TotalFactura"> <xs:annotation> <xs:documentation>Monto total de la factura</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="18"/> <xs:fractionDigits value="5"/> </xs:restriction> </xs:simpleType> </xs:element>

element **CanonicalizationMethod**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CanonicalizationMethodType**
properties	content complex mixed true
used by	complexType **SignedInfoType**
attributes	Name Type Use Default Fixed Annotation Algorithm **xs:anyURI** required
source	<xs:element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/>

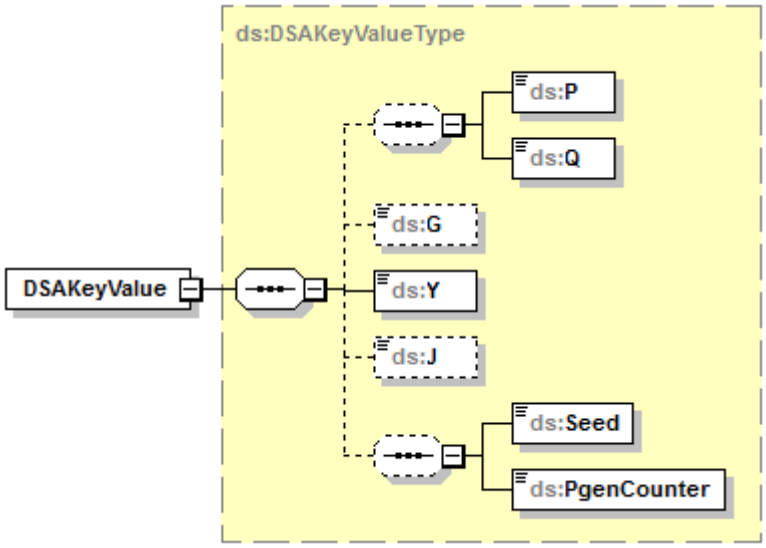
element **DigestMethod**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:DigestMethodType**
properties	content complex mixed true
used by	complexType **ReferenceType**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation:
source	<xs:element name="DigestMethod" type="ds:DigestMethodType"/>

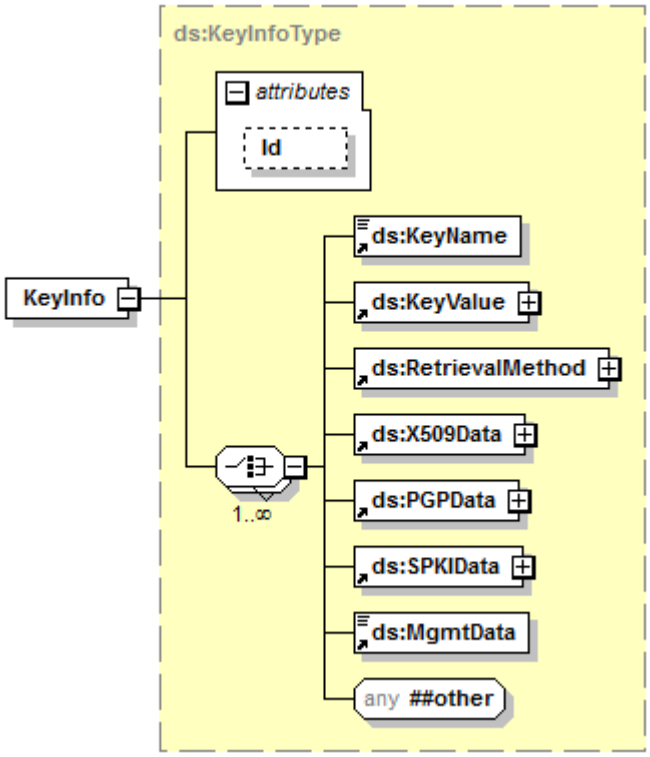
element **DigestValue**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:DigestValueType**
properties	content simple
used by	complexType **ReferenceType**
source	<xs:element name="DigestValue" type="ds:DigestValueType"/>

element **DSAKeyValue**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:DSAKeyValueType**
properties	content complex
children	**ds:P** **ds:Q** **ds:G** **ds:Y** **ds:J** **ds:Seed** **ds:PgenCounter**
used by	complexType **KeyValueType**
source	<xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/>

element **KeyInfo**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:KeyInfoType**
properties	content complex mixed true
children	**ds:KeyName** **ds:KeyValue** **ds:RetrievalMethod** **ds:X509Data** **ds:PGPData** **ds:SPKIData** **ds:MgmtData**
used by	complexType **SignatureType**

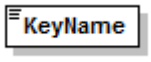
attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			

source

```
<xs:element name="KeyInfo" type="ds:KeyInfoType"/>
```

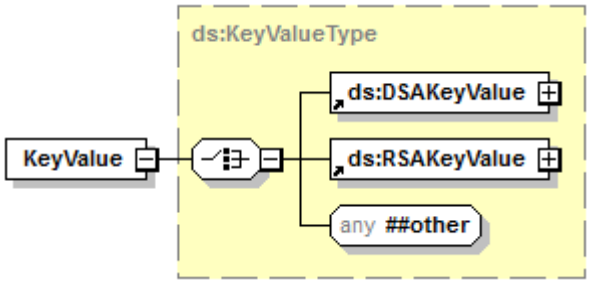
element **KeyName**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:string**
properties	content simple
used by	complexType **KeyInfoType**

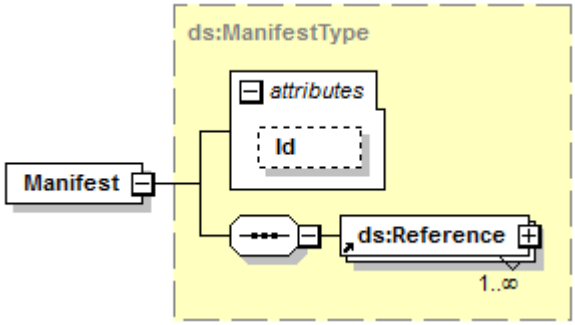
source

```
<xs:element name="KeyName" type="string"/>
```

element **KeyValue**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:KeyValueType**
properties	content complex mixed true
children	**ds:DSAKeyValue** **ds:RSAKeyValue**
used by	complexType **KeyInfoType**
source	<xs:element name="KeyValue" type="ds:KeyValueType"/>

element **Manifest**

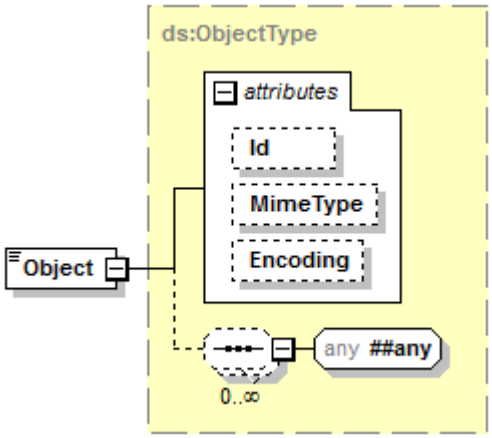
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:ManifestType**
properties	content complex
children	**ds:Reference**
attributes	Name: Id; Type: **xs:ID**; Use: optional; Default; Fixed; Annotation
source	<xs:element name="Manifest" type="ds:ManifestType"/>

element **MgmtData**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:string**
properties	content simple

used by	complexType **KeyInfoType**
source	<xs:element name="MgmtData" type="string"/>

element **Object**

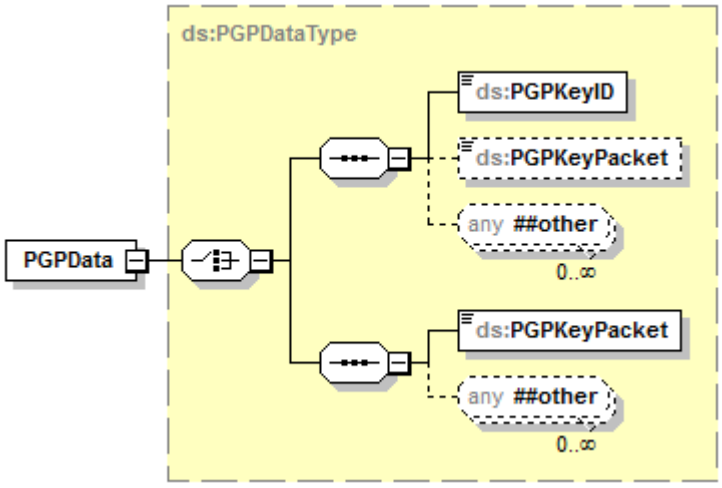
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:ObjectType**
properties	content complex mixed true
used by	complexType **SignatureType**

attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			
MimeType	**xs:string**	optional			
Encoding	**xs:anyURI**	optional			

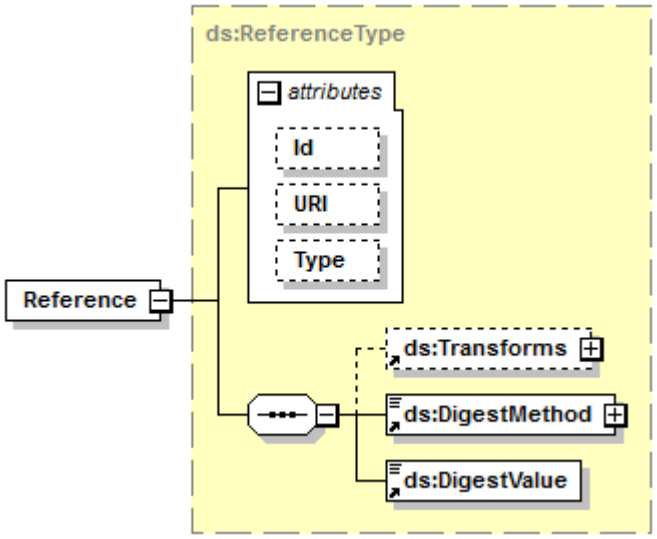
source	<xs:element name="Object" type="ds:ObjectType"/>

element **PGPData**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

type	**ds:PGPDataType**
properties	content complex
children	**ds:PGPKeyID** **ds:PGPKeyPacket** **ds:PGPKeyPacket**
used by	complexType **KeyInfoType**
source	<xs:element name="PGPData" type="ds:PGPDataType"/>

element **Reference**

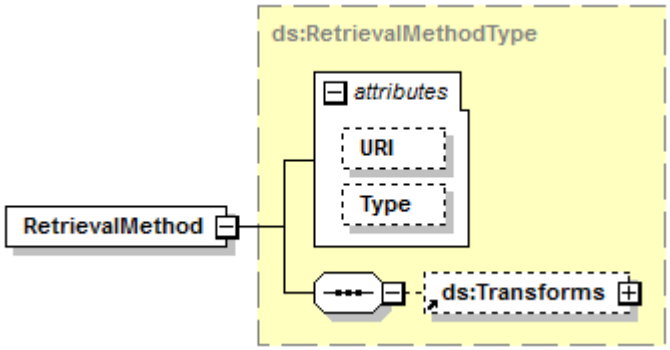
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:ReferenceType**
properties	content complex
children	**ds:Transforms** **ds:DigestMethod** **ds:DigestValue**
used by	complexTypes **ManifestType** **SignedInfoType**

attributes

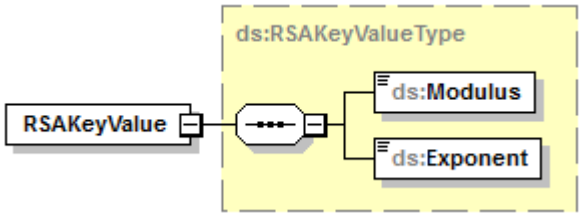
Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			
URI	**xs:anyURI**	optional			
Type	**xs:anyURI**	optional			

source	<xs:element name="Reference" type="ds:ReferenceType"/>

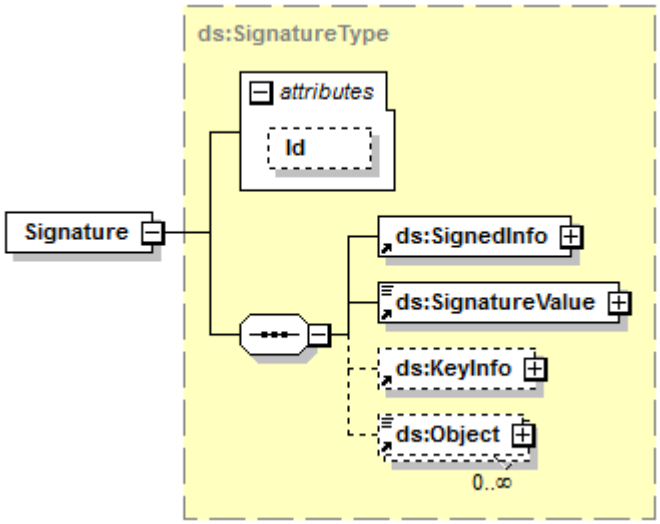
element **RetrievalMethod**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:RetrievalMethodType**
properties	content complex
children	**ds:Transforms**
used by	complexType **KeyInfoType**
attributes	Name / Type / Use / Default / Fixed / Annotation URI **xs:anyURI** Type **xs:anyURI** optional
source	<xs:element name="RetrievalMethod" type="ds:RetrievalMethodType"/>

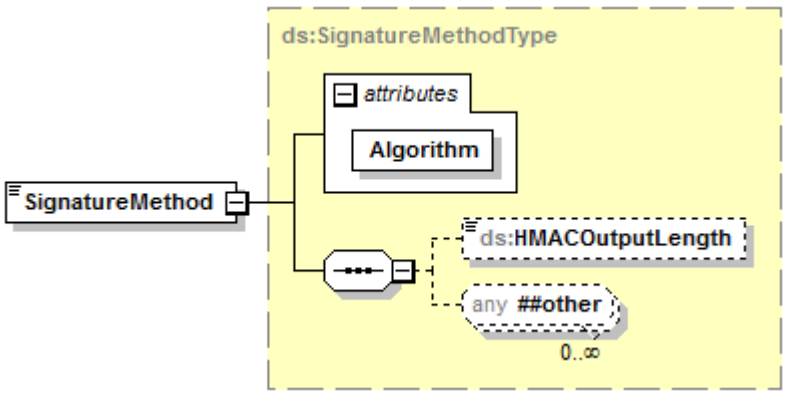
element **RSAKeyValue**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:RSAKeyValueType**
properties	content complex
children	**ds:Modulus** **ds:Exponent**
used by	complexType **KeyValueType**
source	<xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/>

element **Signature**

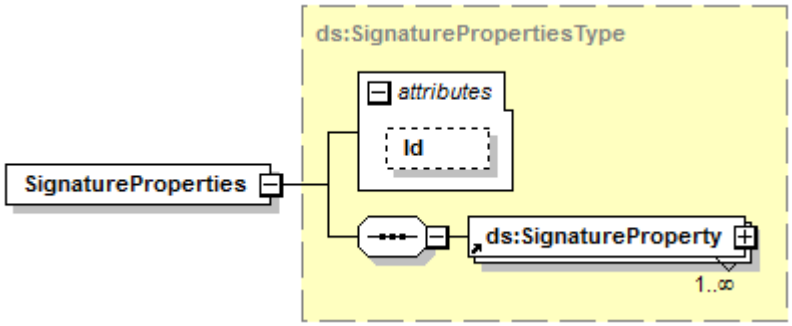
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignatureType**
properties	content complex
children	**ds:SignedInfo** **ds:SignatureValue** **ds:KeyInfo** **ds:Object**
used by	element **MensajeHacienda**
attributes	Name: Id; Type: **xs:ID**; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="Signature" type="ds:SignatureType"/>

element **SignatureMethod**

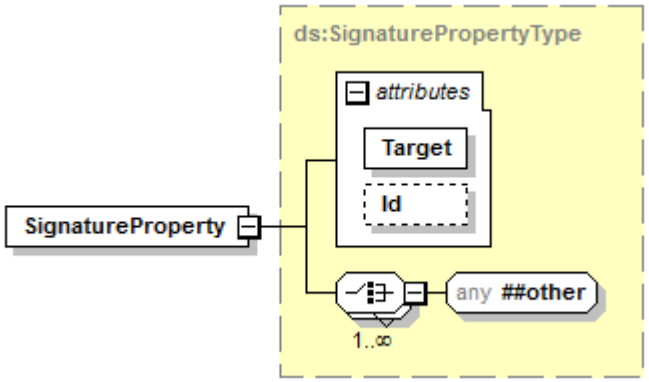
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignatureMethodType**
properties	content complex mixed true
children	**ds:HMACOutputLength**
used by	complexType **SignedInfoType**

attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	**xs:anyURI**	required			
source	<xs:element name="SignatureMethod" type="ds:SignatureMethodType"/>					

element **SignatureProperties**

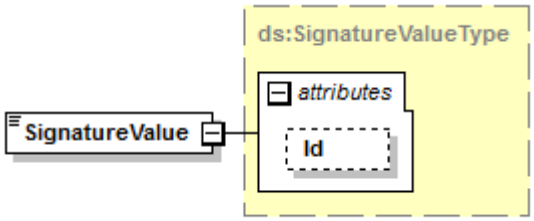
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignaturePropertiesType**
properties	content complex
children	**ds:SignatureProperty**
attributes	Name: Id; Type: **xs:ID**; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="SignatureProperties" type="ds:SignaturePropertiesType"/>

element **SignatureProperty**

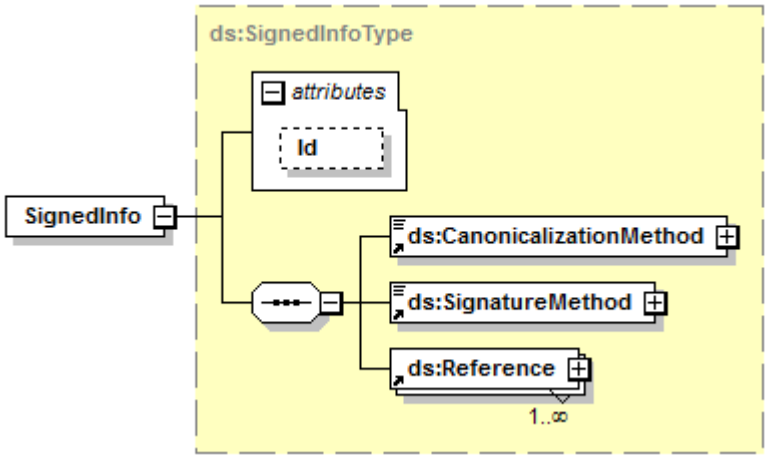
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignaturePropertyType**
properties	content complex mixed true
used by	complexType **SignaturePropertiesType**
attributes	Name: Target; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation: Name: Id; Type: **xs:ID**; Use: optional; Default: ; Fixed: ; Annotation:

source	<xs:element name="SignatureProperty" type="ds:SignaturePropertyType"/>

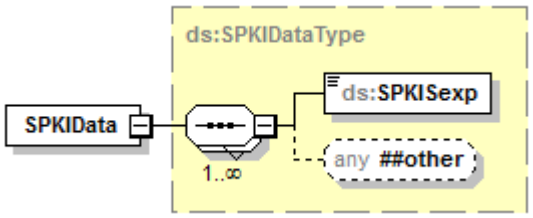
element **SignatureValue**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignatureValueType**
properties	content complex
used by	complexType **SignatureType**
attributes	Name Type Use Default Fixed Annotation Id **xs:ID** optional
source	<xs:element name="SignatureValue" type="ds:SignatureValueType"/>

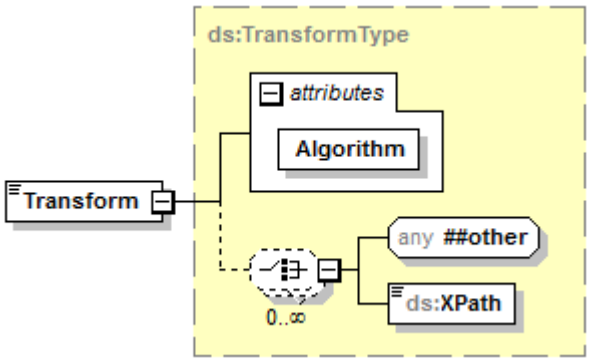
element **SignedInfo**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SignedInfoType**
properties	content complex
children	**ds:CanonicalizationMethod** **ds:SignatureMethod** **ds:Reference**
used by	complexType **SignatureType**
attributes	Name Type Use Default Fixed Annotation Id **xs:ID** optional
source	<xs:element name="SignedInfo" type="ds:SignedInfoType"/>

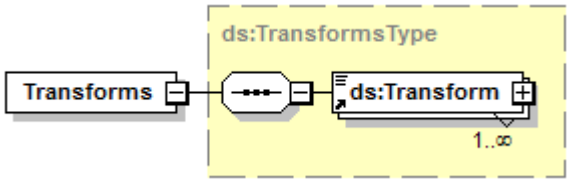
element **SPKIData**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:SPKIDataType**
properties	content complex
children	**ds:SPKISexp**
used by	complexType **KeyInfoType**
source	<xs:element name="SPKIData" type="ds:SPKIDataType"/>

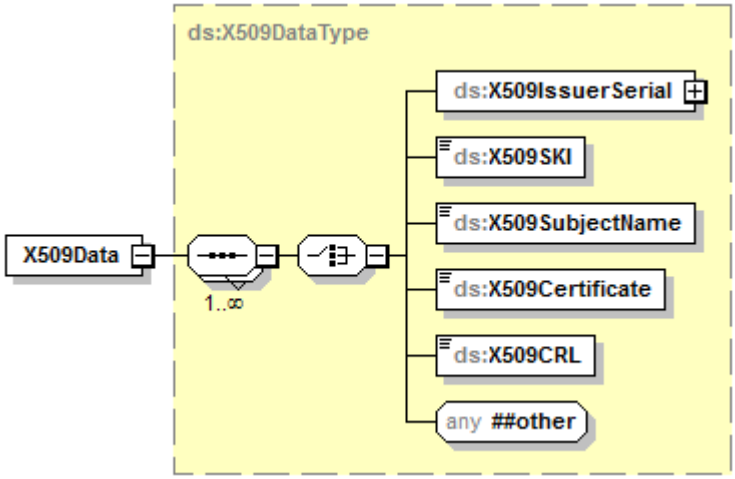
element **Transform**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:TransformType**
properties	content complex mixed true
children	**ds:XPath**
used by	complexType **TransformsType**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation:
source	<xs:element name="Transform" type="ds:TransformType"/>

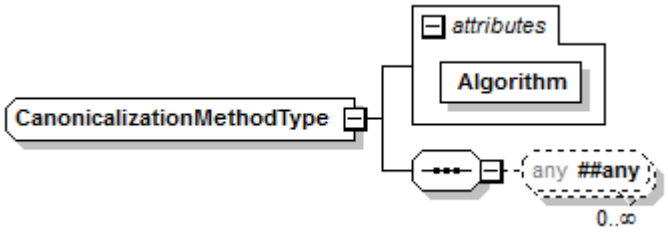
element **Transforms**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:TransformsType**
properties	content complex
children	**ds:Transform**
used by	complexTypes **ReferenceType** **RetrievalMethodType**
source	<xs:element name="Transforms" type="ds:TransformsType"/>

element **X509Data**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:X509DataType**
properties	content complex
children	**ds:X509IssuerSerial** **ds:X509SKI** **ds:X509SubjectName** **ds:X509Certificate** **ds:X509CRL**
used by	complexType **KeyInfoType**
source	<xs:element name="X509Data" type="ds:X509DataType"/>

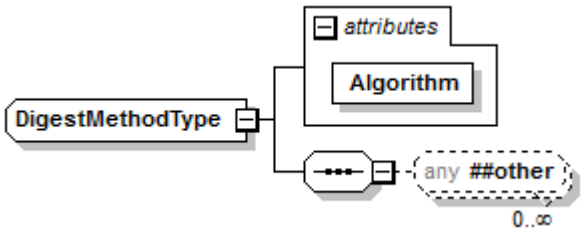
complexType **CanonicalizationMethodType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element **CanonicalizationMethod**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation:
source	<xs:complexType name="CanonicalizationMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##any" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType>

attribute **CanonicalizationMethodType/@Algorithm**

type	**xs:anyURI**
properties	use required
source	<xs:attribute name="Algorithm" type="anyURI" use="required"/>

complexType **DigestMethodType**

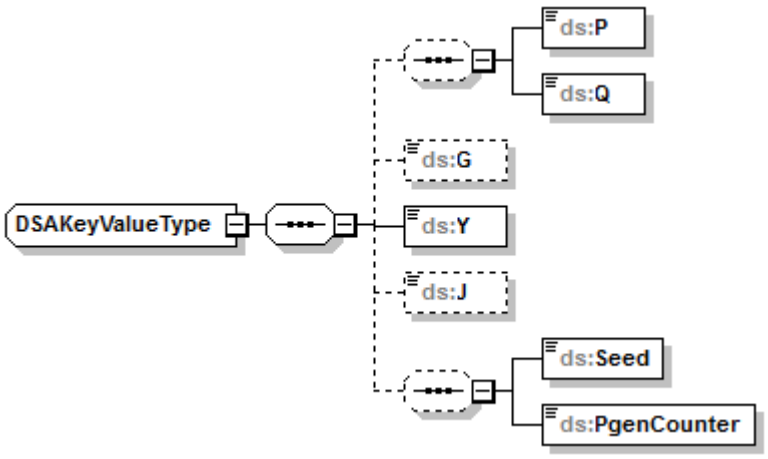
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element **DigestMethod**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation:
source	<xs:complexType name="DigestMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence>

	<xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType>

attribute **DigestMethodType/@Algorithm**

type	**xs:anyURI**
properties	use required
source	<xs:attribute name="Algorithm" type="anyURI" use="required"/>

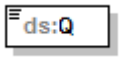
complexType **DSAKeyValueType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter
used by	element DSAKeyValue
source	<xs:complexType name="DSAKeyValueType"> <xs:sequence> <xs:sequence minOccurs="0"> <xs:element name="P" type="ds:CryptoBinary"/> <xs:element name="Q" type="ds:CryptoBinary"/> </xs:sequence> <xs:element name="G" type="ds:CryptoBinary" minOccurs="0"/> <xs:element name="Y" type="ds:CryptoBinary"/> <xs:element name="J" type="ds:CryptoBinary" minOccurs="0"/> <xs:sequence minOccurs="0"> <xs:element name="Seed" type="ds:CryptoBinary"/> <xs:element name="PgenCounter" type="ds:CryptoBinary"/> </xs:sequence> </xs:sequence> </xs:complexType>

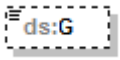
element **DSAKeyValueType/P**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="P" type="ds:CryptoBinary"/>

element **DSAKeyValueType/Q**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="Q" type="ds:CryptoBinary"/>

element **DSAKeyValueType/G**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="G" type="ds:CryptoBinary" minOccurs="0"/>

element **DSAKeyValueType/Y**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="Y" type="ds:CryptoBinary"/>

element **DSAKeyValueType/J**

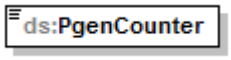
diagram	

namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="J" type="ds:CryptoBinary" minOccurs="0"/>

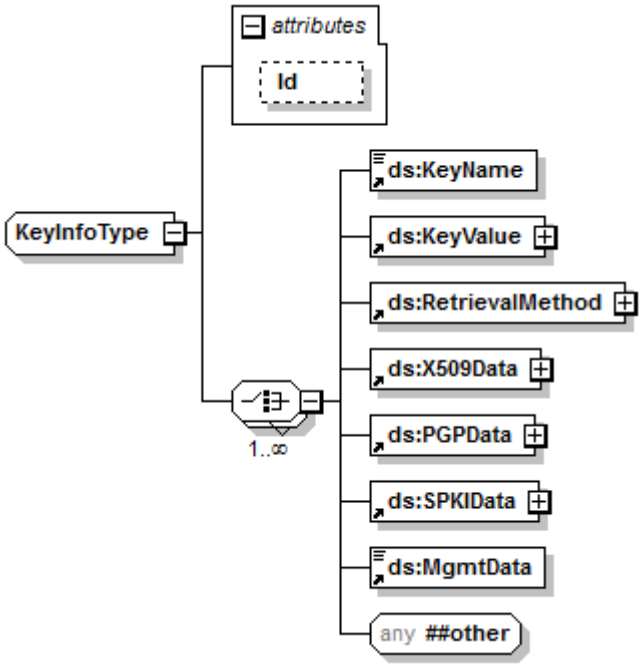
element **DSAKeyValueType/Seed**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="Seed" type="ds:CryptoBinary"/>

element **DSAKeyValueType/PgenCounter**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="PgenCounter" type="ds:CryptoBinary"/>

complexType **KeyInfoType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	**ds:KeyName** **ds:KeyValue** **ds:RetrievalMethod** **ds:X509Data** **ds:PGPData** **ds:SPKIData** **ds:MgmtData**
used by	element **KeyInfo**

attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			

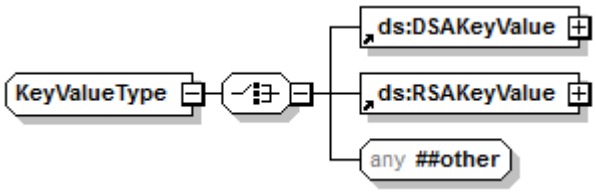
source

```
<xs:complexType name="KeyInfoType" mixed="true">
  <xs:choice maxOccurs="unbounded">
    <xs:element ref="ds:KeyName"/>
    <xs:element ref="ds:KeyValue"/>
    <xs:element ref="ds:RetrievalMethod"/>
    <xs:element ref="ds:X509Data"/>
    <xs:element ref="ds:PGPData"/>
    <xs:element ref="ds:SPKIData"/>
    <xs:element ref="ds:MgmtData"/>
    <xs:any namespace="##other" processContents="lax"/>
    <!-- (1,1) elements from (0,unbounded) namespaces -->
  </xs:choice>
  <xs:attribute name="Id" type="ID" use="optional"/>
</xs:complexType>
```

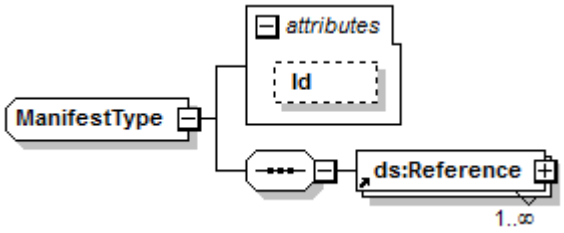
attribute **KeyInfoType/@Id**

type	**xs:ID**
properties	use optional
source	`<xs:attribute name="Id" type="ID" use="optional"/>`

complexType **KeyValueType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	**ds:DSAKeyValue** **ds:RSAKeyValue**
used by	element **KeyValue**
source	<xs:complexType name="KeyValueType" mixed="true"> <xs:choice> <xs:element ref="ds:DSAKeyValue"/> <xs:element ref="ds:RSAKeyValue"/> <xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:complexType>

complexType **ManifestType**

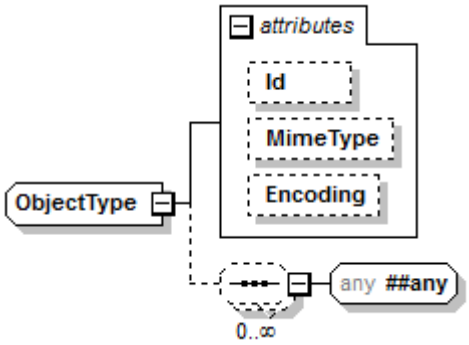
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:Reference**
used by	element **Manifest**
attributes	Name: Id; Type: **xs:ID**; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:complexType name="ManifestType"> <xs:sequence> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType>

attribute **ManifestType/@Id**

type	**xs:ID**
properties	use optional

source	<xs:attribute name="Id" type="ID" use="optional"/>

complexType **ObjectType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element **Object**

attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			
MimeType	**xs:string**	optional			
Encoding	**xs:anyURI**	optional			

source

```
<xs:complexType name="ObjectType" mixed="true">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:any namespace="##any" processContents="lax"/>
  </xs:sequence>
  <xs:attribute name="Id" type="ID" use="optional"/>
  <xs:attribute name="MimeType" type="string" use="optional"/>
  <xs:attribute name="Encoding" type="anyURI" use="optional"/>
  <!-- add a grep facet -->
</xs:complexType>
```

attribute **ObjectType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

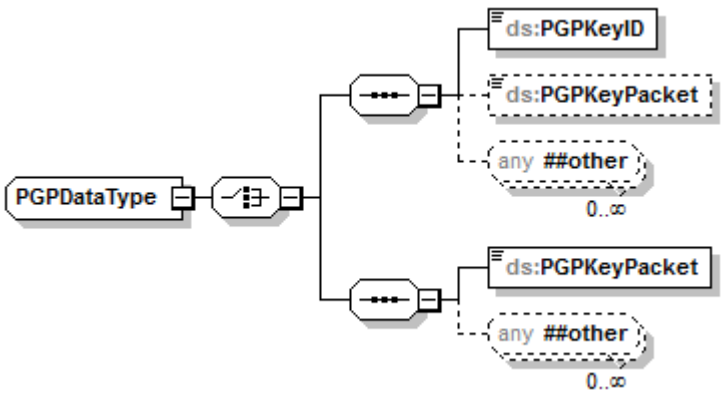
attribute **ObjectType/@MimeType**

type	**xs:string**
properties	use optional
source	<xs:attribute name="MimeType" type="string" use="optional"/>

attribute **ObjectType/@Encoding**

type	**xs:anyURI**
properties	use optional
source	<xs:attribute name="Encoding" type="anyURI" use="optional"/>

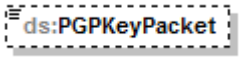
complexType **PGPDataType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:PGPKeyID** **ds:PGPKeyPacket** **ds:PGPKeyPacket**
used by	element **PGPData**
source	<xs:complexType name="PGPDataType"> <xs:choice> <xs:sequence> <xs:element name="PGPKeyID" type="base64Binary"/> <xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:sequence> <xs:element name="PGPKeyPacket" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:choice> </xs:complexType>

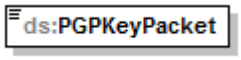
element **PGPDataType/PGPKeyID**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="PGPKeyID" type="base64Binary"/>

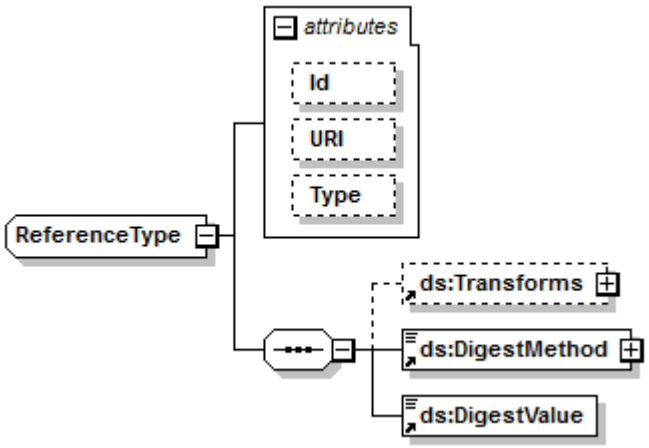
element **PGPDataType/PGPKeyPacket**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/>

element **PGPDataType/PGPKeyPacket**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="PGPKeyPacket" type="base64Binary"/>

complexType **ReferenceType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:Transforms** **ds:DigestMethod** **ds:DigestValue**
used by	element **Reference**

attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			
URI	**xs:anyURI**	optional			
Type	**xs:anyURI**	optional			

source	<xs:complexType name="ReferenceType">

```
  <xs:sequence>
    <xs:element ref="ds:Transforms" minOccurs="0"/>
    <xs:element ref="ds:DigestMethod"/>
    <xs:element ref="ds:DigestValue"/>
  </xs:sequence>
  <xs:attribute name="Id" type="ID" use="optional"/>
  <xs:attribute name="URI" type="anyURI" use="optional"/>
  <xs:attribute name="Type" type="anyURI" use="optional"/>
</xs:complexType>
```

attribute **ReferenceType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

attribute **ReferenceType/@URI**

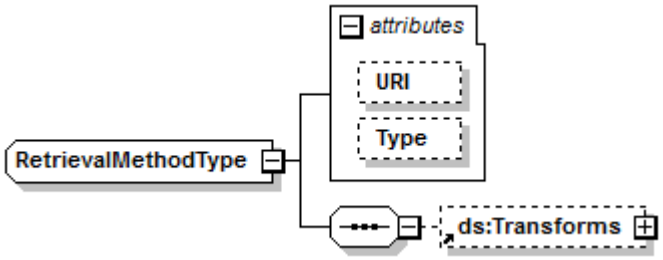
type	**xs:anyURI**
properties	use optional
source	<xs:attribute name="URI" type="anyURI" use="optional"/>

attribute **ReferenceType/@Type**

type	**xs:anyURI**
properties	use optional
source	<xs:attribute name="Type" type="anyURI" use="optional"/>

complexType **RetrievalMethodType**

diagram



namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:Transforms**
used by	element **RetrievalMethod**

attributes

Name	Type	Use	Default	Fixed	Annotation
URI	**xs:anyURI**				
Type	**xs:anyURI**	optional			

source

```
<xs:complexType name="RetrievalMethodType">
```

	<xs:sequence> <xs:element ref="ds:Transforms" minOccurs="0"/> </xs:sequence> <xs:attribute name="URI" type="anyURI"/> <xs:attribute name="Type" type="anyURI" use="optional"/> </xs:complexType>

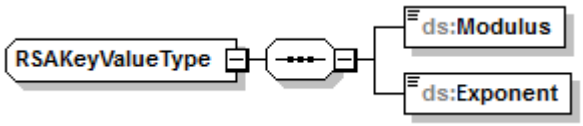
attribute **RetrievalMethodType/@URI**

type	**xs:anyURI**
source	<xs:attribute name="URI" type="anyURI"/>

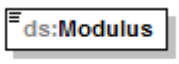
attribute **RetrievalMethodType/@Type**

type	**xs:anyURI**
properties	use optional
source	<xs:attribute name="Type" type="anyURI" use="optional"/>

complexType **RSAKeyValueType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:Modulus** **ds:Exponent**
used by	element **RSAKeyValue**
source	<xs:complexType name="RSAKeyValueType"> <xs:sequence> <xs:element name="Modulus" type="ds:CryptoBinary"/> <xs:element name="Exponent" type="ds:CryptoBinary"/> </xs:sequence> </xs:complexType>

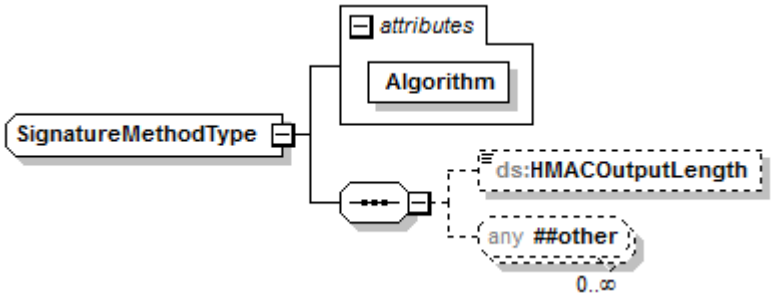
element **RSAKeyValueType/Modulus**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="Modulus" type="ds:CryptoBinary"/>

element **RSAKeyValueType/Exponent**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:CryptoBinary**
properties	content simple
source	<xs:element name="Exponent" type="ds:CryptoBinary"/>

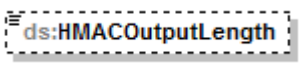
complexType **SignatureMethodType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	**ds:HMACOutputLength**
used by	element **SignatureMethod**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default: ; Fixed: ; Annotation:
source	<xs:complexType name="SignatureMethodType" mixed="true"> <xs:sequence> <xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/> <xs:any namespace="##other" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) external namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType>

attribute **SignatureMethodType/@Algorithm**

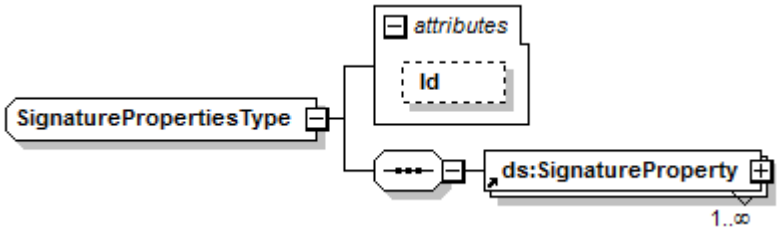
type	**xs:anyURI**
properties	use required
source	<xs:attribute name="Algorithm" type="anyURI" use="required"/>

element **SignatureMethodType/HMACOutputLength**

diagram	

namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:HMACOutputLengthType**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/>

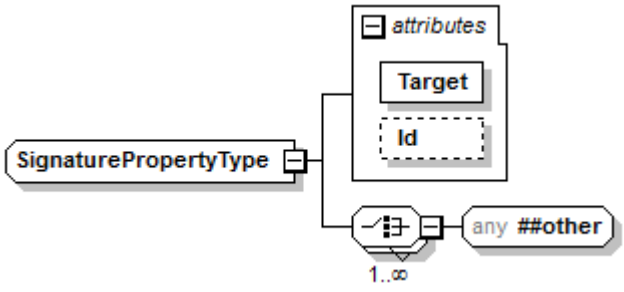
complexType **SignaturePropertiesType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:SignatureProperty**
used by	element **SignatureProperties**
attributes	Name: Id; Type: **xs:ID**; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:complexType name="SignaturePropertiesType"> <xs:sequence> <xs:element ref="ds:SignatureProperty" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType>

attribute **SignaturePropertiesType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

complexType **SignaturePropertyType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

properties	mixed true
used by	element **SignatureProperty**
attributes	Name / Type / Use / Default / Fixed / Annotation Target / **xs:anyURI** / required Id / **xs:ID** / optional
source	<xs:complexType name="SignaturePropertyType" mixed="true"> <xs:choice maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (1,unbounded) namespaces --> </xs:choice> <xs:attribute name="Target" type="anyURI" use="required"/> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType>

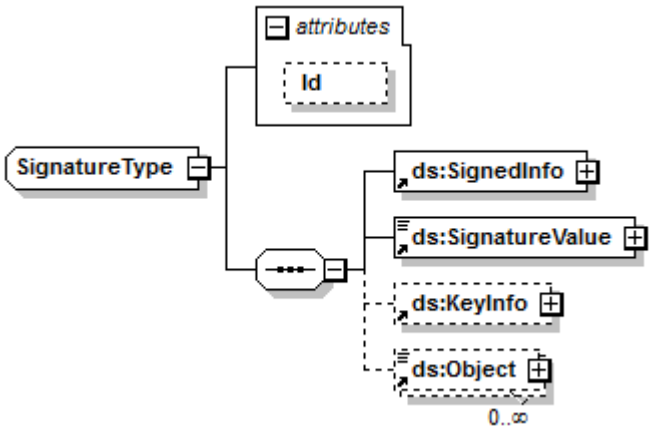
attribute **SignaturePropertyType/@Target**

type	**xs:anyURI**
properties	use required
source	<xs:attribute name="Target" type="anyURI" use="required"/>

attribute **SignaturePropertyType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

complexType **SignatureType**

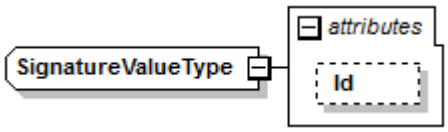
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:SignedInfo** **ds:SignatureValue** **ds:KeyInfo** **ds:Object**
used by	element **Signature**
attributes	Name / Type / Use / Default / Fixed / Annotation

	Id **xs:ID** optional
source	<xs:complexType name="SignatureType"> <xs:sequence> <xs:element ref="ds:SignedInfo"/> <xs:element ref="ds:SignatureValue"/> <xs:element ref="ds:KeyInfo" minOccurs="0"/> <xs:element ref="ds:Object" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType>

attribute **SignatureType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

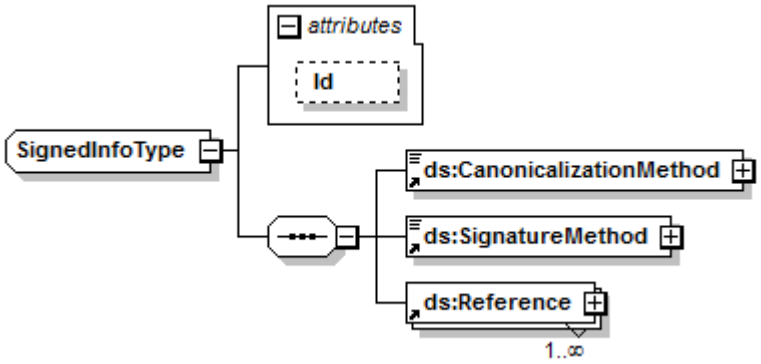
complexType **SignatureValueType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	extension of **xs:base64Binary**
properties	base base64Binary
used by	element **SignatureValue**
attributes	Name Type Use Default Fixed Annotation Id **xs:ID** optional
source	<xs:complexType name="SignatureValueType"> <xs:simpleContent> <xs:extension base="base64Binary"> <xs:attribute name="Id" type="ID" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType>

attribute **SignatureValueType/@Id**

type	**xs:ID**
properties	use optional
source	<xs:attribute name="Id" type="ID" use="optional"/>

complexType **SignedInfoType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:CanonicalizationMethod** **ds:SignatureMethod** **ds:Reference**
used by	element **SignedInfo**

attributes

Name	Type	Use	Default	Fixed	Annotation
Id	**xs:ID**	optional			

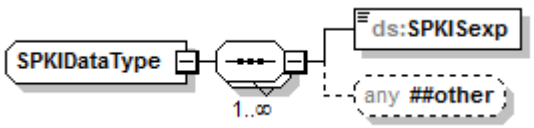
source

```
<xs:complexType name="SignedInfoType">
  <xs:sequence>
    <xs:element ref="ds:CanonicalizationMethod"/>
    <xs:element ref="ds:SignatureMethod"/>
    <xs:element ref="ds:Reference" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="Id" type="ID" use="optional"/>
</xs:complexType>
```

attribute **SignedInfoType/@Id**

type	**xs:ID**
properties	use optional
source	`<xs:attribute name="Id" type="ID" use="optional"/>`

complexType **SPKIDataType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:SPKISexp**
used by	element **SPKIData**

source

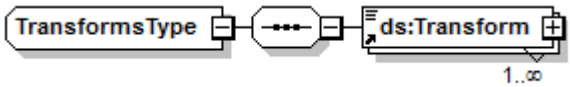
```
<xs:complexType name="SPKIDataType">
  <xs:sequence maxOccurs="unbounded">
    <xs:element name="SPKISexp" type="base64Binary"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0"/>
  </xs:sequence>
```

	</xs:complexType>

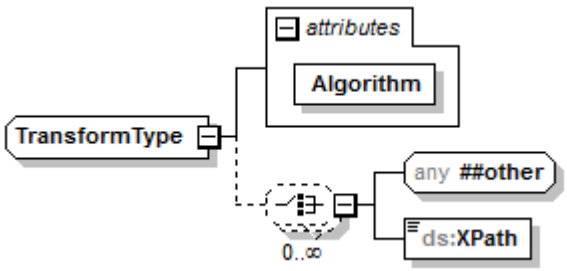
element **SPKIDataType/SPKISexp**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="SPKISexp" type="base64Binary"/>

complexType **TransformsType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:Transform**
used by	element **Transforms**
source	<xs:complexType name="TransformsType"> <xs:sequence> <xs:element ref="ds:Transform" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType>

complexType **TransformType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	**ds:XPath**
used by	element **Transform**
attributes	Name: Algorithm; Type: **xs:anyURI**; Use: required; Default; Fixed; Annotation
source	<xs:complexType name="TransformType" mixed="true"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/>

```
    <!-- (1,1) elements from (0,unbounded) namespaces -->
    <xs:element name="XPath" type="string"/>
  </xs:choice>
  <xs:attribute name="Algorithm" type="anyURI" use="required"/>
</xs:complexType>
```

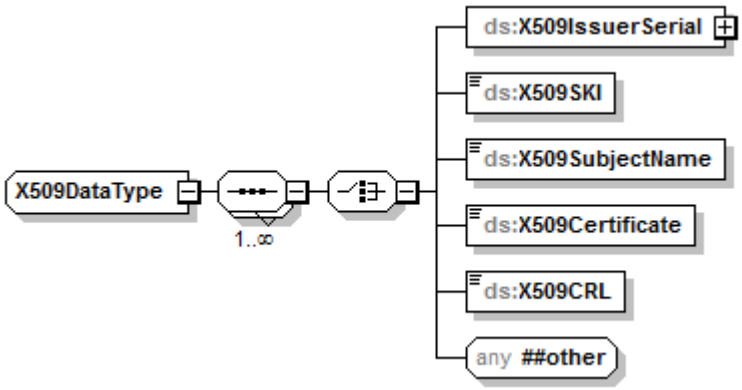
attribute **TransformType/@Algorithm**

type	**xs:anyURI**
properties	use required
source	`<xs:attribute name="Algorithm" type="anyURI" use="required"/>`

element **TransformType/XPath**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:string**
properties	content simple
source	`<xs:element name="XPath" type="string"/>`

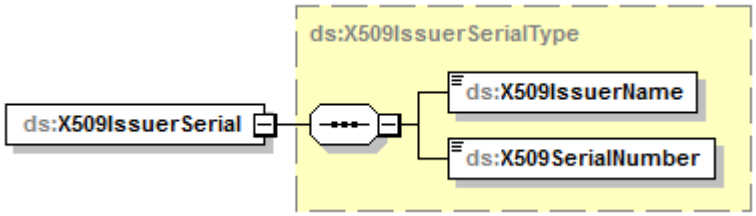
complexType **X509DataType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL**
used by	element **X509Data**

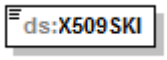
source	`<xs:complexType name="X509DataType">`
	`  <xs:sequence maxOccurs="unbounded">`
	`  <xs:choice>`
	`  <xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>`
	`  <xs:element name="X509SKI" type="base64Binary"/>`
	`  <xs:element name="X509SubjectName" type="string"/>`
	`  <xs:element name="X509Certificate" type="base64Binary"/>`
	`  <xs:element name="X509CRL" type="base64Binary"/>`

	<xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:sequence> </xs:complexType>

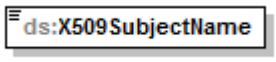
element **X509DataType/X509IssuerSerial**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**ds:X509IssuerSerialType**
properties	content complex
children	**ds:X509IssuerName** **ds:X509SerialNumber**
source	<xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>

element **X509DataType/X509SKI**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="X509SKI" type="base64Binary"/>

element **X509DataType/X509SubjectName**

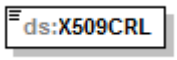
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:string**
properties	content simple
source	<xs:element name="X509SubjectName" type="string"/>

element **X509DataType/X509Certificate**

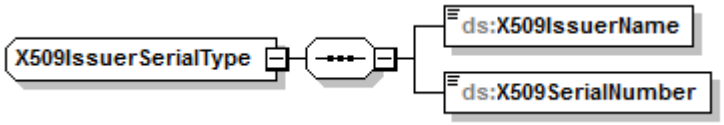
diagram	

namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="X509Certificate" type="base64Binary"/>

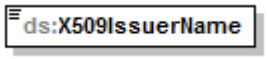
element **X509DataType/X509CRL**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	content simple
source	<xs:element name="X509CRL" type="base64Binary"/>

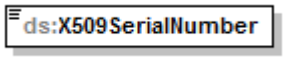
complexType **X509IssuerSerialType**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	**ds:X509IssuerName** **ds:X509SerialNumber**
used by	element **X509DataType/X509IssuerSerial**
source	<xs:complexType name="X509IssuerSerialType"> <xs:sequence> <xs:element name="X509IssuerName" type="string"/> <xs:element name="X509SerialNumber" type="integer"/> </xs:sequence> </xs:complexType>

element **X509IssuerSerialType/X509IssuerName**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:string**
properties	content simple
source	<xs:element name="X509IssuerName" type="string"/>

element **X509IssuerSerialType/X509SerialNumber**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:integer**
properties	content simple
source	<xs:element name="X509SerialNumber" type="integer"/>

simpleType **CryptoBinary**

namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	base base64Binary
used by	elements **RSAKeyValueType/Exponent** **DSAKeyValueType/G** **DSAKeyValueType/J** **RSAKeyValueType/Modulus** **DSAKeyValueType/P** **DSAKeyValueType/PgenCounter** **DSAKeyValueType/Q** **DSAKeyValueType/Seed** **DSAKeyValueType/Y**
source	<xs:simpleType name="CryptoBinary"> <xs:restriction base="base64Binary"/> </xs:simpleType>

simpleType **DigestValueType**

namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:base64Binary**
properties	base base64Binary
used by	element **DigestValue**
source	<xs:simpleType name="DigestValueType"> <xs:restriction base="base64Binary"/> </xs:simpleType>

simpleType **HMACOutputLengthType**

namespace	http://www.w3.org/2000/09/xmldsig#
type	**xs:integer**
properties	base integer
used by	element **SignatureMethodType/HMACOutputLength**
source	<xs:simpleType name="HMACOutputLengthType"> <xs:restriction base="integer"/> </xs:simpleType>