

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

| | Complex types | Simple types |
|---|---|--|
| <u>CanonicalizationMethod</u> | <u>CanonicalizationMethodType</u> | <u>CryptoBinary</u> |
| <u>DigestMethod</u> | <u>DigestMethodType</u> | <u>DigestValueType</u> |
| <u>DigestValue</u> | <u>DSAKeyValue</u> | <u>HMACOutputLengthType</u> |
| <u>DSAKeyValue</u> | <u>KeyInfoType</u> | |
| <u>KeyInfo</u> | <u>KeyValue</u> | <u>ManifestType</u> |
| <u>KeyName</u> | | <u>ObjectType</u> |
| <u>KeyValue</u> | | <u>PGPDataType</u> |
| <u>Manifest</u> | | <u>ReferenceType</u> |
| <u>MgmtData</u> | | <u>RetrievalMethodType</u> |
| <u>Object</u> | | <u>RSAKeyValue</u> |
| <u>PGPData</u> | | <u>SignatureMethodType</u> |
| <u>Reference</u> | | <u>SignaturePropertiesType</u> |
| <u>RetrievalMethod</u> | | <u>SignatureProperty</u> |
| <u>RSAKeyValue</u> | | <u>SignatureType</u> |
| <u>Signature</u> | | <u>SignatureValue</u> |
| <u>SignatureMethod</u> | | <u>SignedInfoType</u> |
| <u>SignatureProperties</u> | | <u>SPKIDataType</u> |
| <u>SignatureProperty</u> | | <u>Transforms</u> |
| <u>SignatureValue</u> | | <u>TransformType</u> |
| <u>SignedInfo</u> | | <u>X509Data</u> |
| <u>SPKIData</u> | | <u>X509IssuerSerial</u> |
| <u>Transform</u> | | |
| <u>Transforms</u> | | |
| <u>X509Data</u> | | |

element **MensajeHacienda**

| | |
|------------|---|
| diagram | <pre> classDiagram class MensajeHacienda { Clave NombreEmisor TipoidentificacionEmisor NumeroCedulaEmisor NombreReceptor TipoidentificacionReceptor NumeroCedulaReceptor Mensaje DetalleMensaje MontoTotalImpuesto TotalFactura ds:Signature } </pre> |
| 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 | <pre> <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="TipoldentificacionEmisor" 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:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre> |

```

<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 física/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="TipoldentificacionReceptor" 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:restriction>
</xs:simpleType>

```

| | |
|--|---|
| | <pre> <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 física/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>Código 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"> </pre> |
|--|---|

```

<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

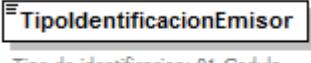
| diagram | <p>Clave</p> <p>Clave numérica del comprobante</p> | | | | | | |
|------------|--|------------|-------|------------|---------|-----------|--|
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda | | | | | | |
| type | restriction of xs:string | | | | | | |
| properties | content simple | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>pattern</td> <td>\d{50,50}</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | pattern | \d{50,50} | |
| Kind | Value | Annotation | | | | | |
| pattern | \d{50,50} | | | | | | |
| annotation | <p>documentation</p> <p>Clave numérica del comprobante</p> | | | | | | |
| source | <pre> <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> </pre> | | | | | | |

element MensajeHacienda/NombreEmisor

| | |
|---------|--|
| diagram | <p>NombreEmisor</p> <p>Nombre o razón social del emisor</p> |
|---------|--|

| | |
|------------|--|
| 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 | <pre><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></pre> |

element MensajeHacienda/TipoidentificacionEmisor

| | |
|------------|--|
| diagram |  <p>Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros</p> |
| 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 | <pre><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"></pre> |

```

<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 | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>totalDigits</td> <td>12</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | totalDigits | 12 | |
| Kind | Value | Annotation | | | | | |
| totalDigits | 12 | | | | | | |
| annotation | <p>documentation</p> <p>Número de cédula física/jurídica/NITE/DIMEX del emisor</p> | | | | | | |
| source | <pre> <xs:element name="NumeroCedulaEmisor"> <xs:annotation> <xs:documentation>Número de cédula física/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> </pre> | | | | | | |

element MensajeHacienda/NombreReceptor

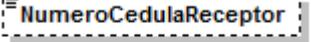
| diagram |  | | | | | | |
|------------|--|------------|-------|------------|-----------|----|--|
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda | | | | | | |
| type | restriction of xs:string | | | | | | |
| properties | <p>minOcc 0 maxOcc 1 content simple</p> | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>80</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | maxLength | 80 | |
| Kind | Value | Annotation | | | | | |
| maxLength | 80 | | | | | | |
| annotation | <p>documentation Nombre o razon social del receptor</p> | | | | | | |
| source | <pre><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></pre> | | | | | | |

element MensajeHacienda/TipoidentificacionReceptor

| diagram |  | | | | | | | | | | | | | | | | | | |
|-------------|--|----------------------------------|-------|------------|-------------|----|--------------------------------|-------------|----|----------------------------------|-------------|----|------------------------|-------------|----|-----------------------|-------------|----|------------------------|
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda | | | | | | | | | | | | | | | | | | |
| type | restriction of xs:string | | | | | | | | | | | | | | | | | | |
| properties | <p>minOcc 0 maxOcc 1 content simple nullable false</p> | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>01</td> <td>documentation Cedula Fisica</td> </tr> <tr> <td>enumeration</td> <td>02</td> <td>documentation Cedula Juridica</td> </tr> <tr> <td>enumeration</td> <td>03</td> <td>documentation DIMEX</td> </tr> <tr> <td>enumeration</td> <td>04</td> <td>documentation NITE</td> </tr> <tr> <td>enumeration</td> <td>05</td> <td>documentation Otros</td> </tr> </tbody> </table> | 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 |
| 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 | <p>documentation Tipo de identificacion: 01 Cedula Fisica, 02 Cedula Juridica, 03 DIMEX, 04 NITE, 05 Otros</p> | | | | | | | | | | | | | | | | | | |
| source | <pre><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></pre> | | | | | | | | | | | | | | | | | | |

| | |
|--|---|
| | <pre> <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> </pre> |
|--|---|

element MensajeHacienda/NumeroCedulaReceptor

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

| | |
|--|---|
| | <pre><xsmaxLength value="12"/> </xs:restriction> </xs:simpleType> </xs:element></pre> |
|--|---|

element MensajeHacienda/Mensaje

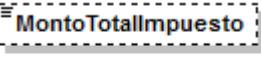
| diagram | <p>Mensaje</p> <p>Codigo del mensaje de respuesta. 1 aceptado, 3 rechazado</p> | | | | | | | | | |
|-------------|--|----------------------------|-------|------------|-------------|---|---------------------------|-------------|---|----------------------------|
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda | | | | | | | | | |
| type | restriction of xs:integer | | | | | | | | | |
| properties | content simple | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td>documentation Aceptado</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>documentation Rechazado</td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | 1 | documentation Aceptado | enumeration | 3 | documentation Rechazado |
| Kind | Value | Annotation | | | | | | | | |
| enumeration | 1 | documentation Aceptado | | | | | | | | |
| enumeration | 3 | documentation Rechazado | | | | | | | | |
| annotation | <p>documentation</p> <p>Codigo del mensaje de respuesta. 1 aceptado, 3 rechazado</p> | | | | | | | | | |
| source | <pre><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></pre> | | | | | | | | | |

element MensajeHacienda/DetalleMensaje

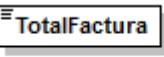
| | |
|------------|---|
| diagram | <p>DetalleMensaje</p> <p>Detalle del mensaje</p> |
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda |
| type | restriction of xs:string |
| properties | content simple |

| | |
|------------|---|
| facets | Kind maxLength Value 80 Annotation |
| annotation | documentation Detalle del mensaje |
| source | <pre><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></pre> |

element MensajeHacienda/MontoTotalImpuesto

| | |
|------------|--|
| diagram |  <p>Monto total del impuesto, que es obligatorio si el comprobante tenga impuesto.</p> |
| 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 | <pre><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></pre> |

element MensajeHacienda/TotalFactura

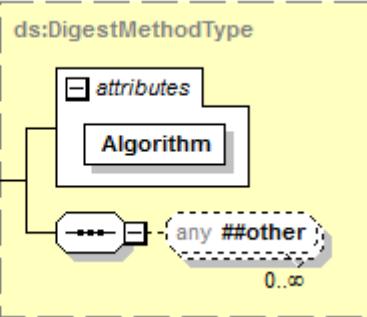
| | |
|-----------|---|
| diagram |  <p>Monto total de la factura</p> |
| namespace | https://tribunet.hacienda.go.cr/docs/esquemas/2016/v4/mensajeHacienda |

| | |
|------------|---|
| type | restriction of xs:decimal |
| properties | content simple |
| facets | Kind Value Annotation totalDigits 18 fractionDigits 5 |
| annotation | documentation Monto total de la factura |
| source | <pre><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></pre> |

element **CanonicalizationMethod**

| | |
|------------|--|
| diagram | <pre> classDiagram class CanonicalizationMethod { <<ds:CanonicalizationMethodType>> } class Algorithm { <<ds:CanonicalizationMethodType>> } CanonicalizationMethod "1" -- "*" Algorithm Algorithm "*" -- "0..∞" "any ##any" </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:CanonicalizationMethodType |
| properties | content complex mixed true |
| used by | complexType SignedInfoType |
| attributes | Name <u>Algorithm</u> Type xs:anyURI Use required Default Fixed Annotation |
| source | <pre><xs:element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/></pre> |

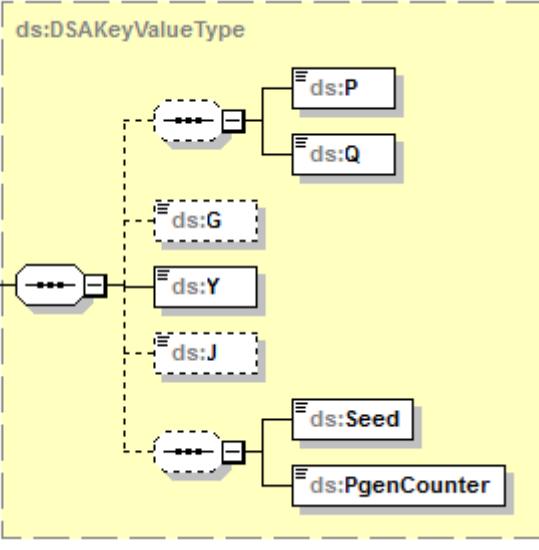
element DigestMethod

| | |
|------------|---|
| 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:DSAKeyValue |
| properties | content complex |
| children | ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter |
| used by | complexType KeyValuePairType |
| source | <code><xs:element name="DSAKeyValue" type="ds:DSAKeyValue">/></code> |

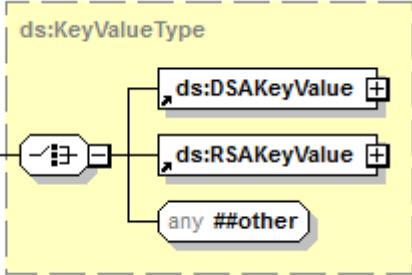
element KeyInfo

| diagram | <pre> classDiagram class KeyInfo class ds::KeyInfoType { attribute Id attribute any ##other 1..*o --> BaseClass "ds::KeyName" "ds::KeyValue" "ds::RetrievalMethod" } class BaseClass { "ds::X509Data" "ds::PGPData" "ds::SPKIData" "ds::MgmtData" } </pre> | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="KeyInfo" type="ds:KeyInfoType"/></code> | | | | | | | | | | | | |

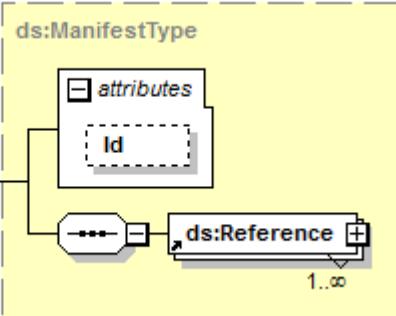
element KeyName

| | |
|------------|--|
| diagram | <pre> classDiagram class KeyName class ds::KeyName class ds::KeyInfoType KeyName --> ds::KeyInfoType </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="KeyName" type="string"/></code> |

element KeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:KeyValue |
| 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:Manifest |
| 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 | <pre> classDiagram class Object class ds::ObjectType { attribute Id xs:ID attribute MimeType xs:string attribute Encoding xs:anyURI } Object "2" -- "1" ds::ObjectType </pre> | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| type | ds:ObjectType | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MimeType</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encoding</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | MimeType | xs:string | optional | | | | Encoding | xs:anyURI | optional | | | |
| 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 | <pre> classDiagram class PGPData class ds::PGPKeyType { association *-- "0..∞" ds::PGPKeyPacket association *-- "0..∞" any ##other } PGPData --> ds::PGPKeyType </pre> |
| 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 | <pre> classDiagram class ds:ReferenceType { attribute Id attribute URI attribute Type association "ds:Transforms" association "ds:DigestMethod" association "ds:DigestValue" } </pre> | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|---------------------|---------------------------|----------|--|--|--|----------------------|---------------------------|----------|--|--|--|
| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>URI</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | URI | xs:anyURI | optional | | | | Type | xs:anyURI | optional | | | |
| 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 | <pre> classDiagram class RetrievalMethod class dsRetrievalMethodType { attribute URI attribute Type sequence dsTransforms } RetrievalMethod "1" -- "2" URI RetrievalMethod "1" -- "2" Type RetrievalMethod "*" -- "1" dsTransforms </pre> | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|---------------------|---------------------------|--|--|--|--|----------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| type | ds:RetrievalMethodType | | | | | | | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | | | | | | | |
| children | ds:Transforms | | | | | | | | | | | | | | | | | | |
| used by | complexType KeyInfoType | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>URI</td> <td>xs:anyURI</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | URI | xs:anyURI | | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| URI | xs:anyURI | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | |
| source | <code><xs:element name="RetrievalMethod" type="ds:RetrievalMethodType"/></code> | | | | | | | | | | | | | | | | | | |

element RSAKeyValue

| | |
|------------|---|
| diagram | <pre> classDiagram class RSAKeyValue class dsRSAKeyValue { sequence dsModulus sequence dsExponent } RSAKeyValue "*" -- "1" dsModulus RSAKeyValue "*" -- "1" dsExponent </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:RSAKeyValue |
| properties | content complex |
| children | ds:Modulus ds:Exponent |
| used by | complexType KeyValue |
| source | <code><xs:element name="RSAKeyValue" type="ds:RSAKeyValue"/></code> |

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 | <table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ds:SignatureType"/></code> | | | | | | | | | | | | |

element SignatureMethod

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

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

element **SignatureProperties**

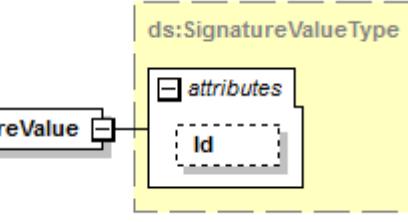
| diagram | <pre> classDiagram class ds.SignaturePropertiesType { attribute Id association "1..infinity" --> ds.SignatureProperty } class ds.SignatureProperty </pre> | | | | | |
|------------|--|----------------------|-----------------|---------|-------|------------|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | |
| type | ds:SignaturePropertiesType | | | | | |
| properties | content complex | | | | | |
| children | ds:SignatureProperty | | | | | |
| attributes | Name Id | Type xs:ID | Use optional | Default | Fixed | Annotation |
| source | <code><xs:element name="SignatureProperties" type="ds:SignaturePropertiesType"/></code> | | | | | |

element **SignatureProperty**

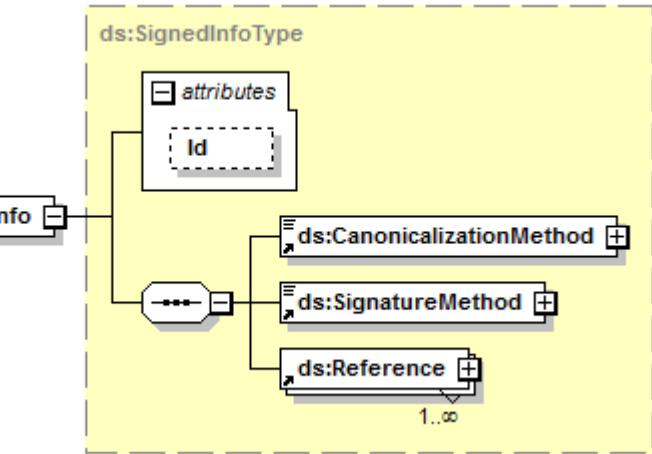
| diagram | <pre> classDiagram class ds.SignaturePropertyType { attribute Target attribute Id association "1..infinity" --> any ##other } class any </pre> | | | | | |
|------------|---|--------------------------|-----------------|---------|-------|------------|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | |
| type | ds:SignaturePropertyType | | | | | |
| properties | content complex mixed true | | | | | |
| used by | complexType SignaturePropertiesType | | | | | |
| attributes | Name Target | Type xs:anyURI | Use required | Default | Fixed | Annotation |
| | Id | xs:ID | optional | | | |

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

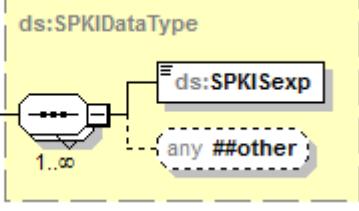
element SignatureValue

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

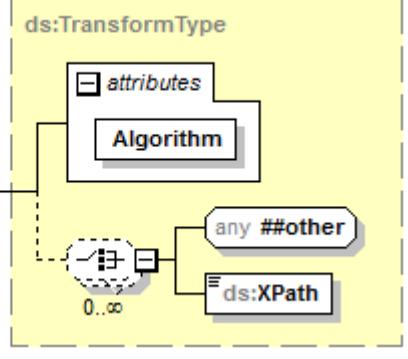
element SignedInfo

| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="SignedInfo" type="ds:SignedInfoType"/></code> | | | | | | | | | | | | |

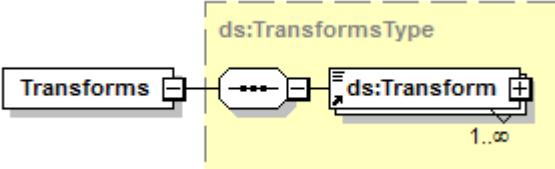
element SPKIData

| | |
|------------|---|
| 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"/> |

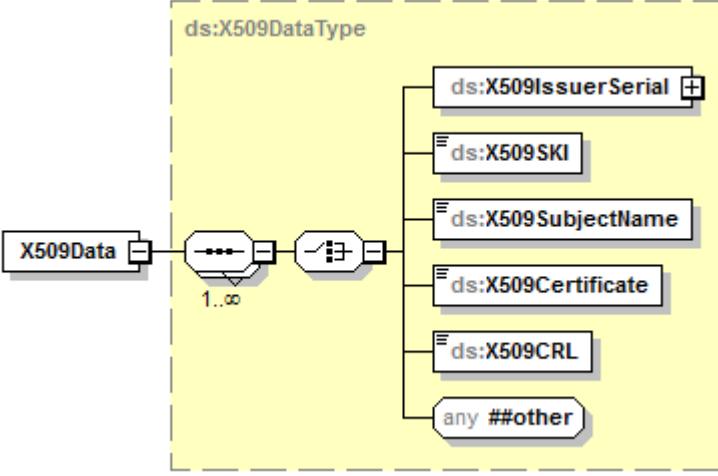
element Transform

| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <xs:element name="Transform" type="ds:TransformType"/> | | | | | | | | | | | | |

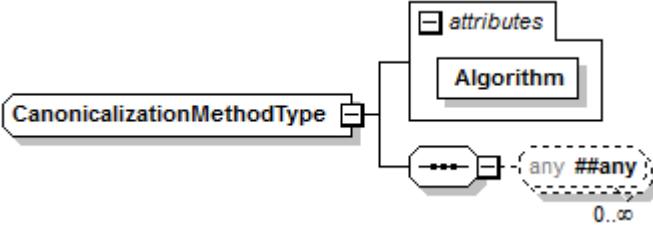
element Transforms

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

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 | <code><xs:element name="X509Data" type="ds:X509DataType"/></code> |

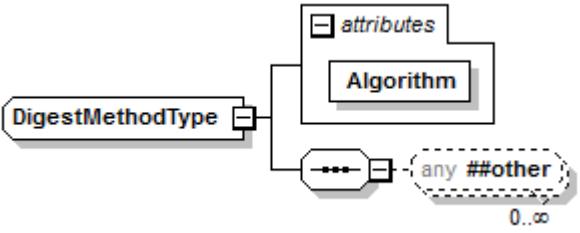
complexType CanonicalizationMethodType

| diagram |  | | | | | | | | | | | | |
|---------------------------|--|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| used by | element CanonicalizationMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><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></pre> | | | | | | | | | | | | |

attribute CanonicalizationMethodType/@Algorithm

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

complexType DigestMethodType

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

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

attribute **DigestMethodType/@Algorithm**

| | |
|------------|--|
| type | <code>xs:anyURI</code> |
| properties | use required |
| source | <pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> |

complexType **DSAKeyValueType**

| | |
|-----------|--|
| diagram | <pre> sequenceDiagram participant DSAKeyValueType as DSAKeyValueType participant P as ds:P participant Q as ds:Q participant G as ds:G participant Y as ds:Y participant J as ds:J participant Seed as ds:Seed participant PgenCounter as ds:PgenCounter DSAKeyValueType->>P: activate P P-->>Q: activate Q Q-->>G: activate G G-->>Y: activate Y Y-->>J: activate J J-->>Seed: activate Seed Seed-->>PgenCounter: activate PgenCounter </pre> |
| 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 | <pre><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></pre> |

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

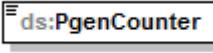
| | |
|---------|---|
| diagram |  |
|---------|---|

| | |
|------------|---|
| 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 **DSAKeyValue**/**Type/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 **DSAKeyValue**/**Type/PgenCounter**

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

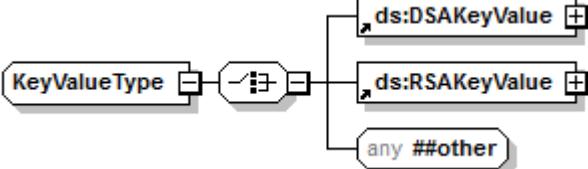
complexType KeyInfoType

| diagram | <pre> classDiagram class KeyInfoType { attribute Id choice { ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData any ##other } } </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre> <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> </pre> | | | | | | | | | | | | |

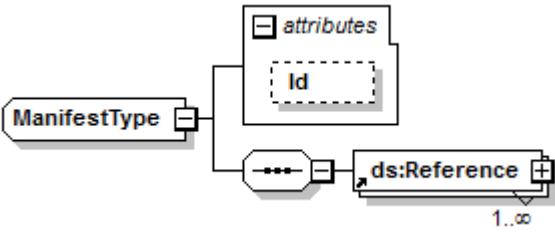
attribute KeyInfoType/@Id

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

complexType KeyValue

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

complexType Manifest

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:Reference | | | | | | | | | | | | |
| used by | element Manifest | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:complexType name="Manifest"> <xs:sequence> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute ManifestType/@Id

| | |
|------------|-----------------------|
| type | xs:ID |
| properties | use optional |

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

complexType ObjectType

| diagram | <pre> classDiagram class ObjectType { <<complexType>> <<mixed="true">> <<sequence minOccurs="0" maxOccurs="unbounded">> <<any namespace="#any" processContents="lax"/>> } class attributes { <<sequence>> <<Id : xs:ID>> <<MimeType : xs:string>> <<Encoding : xs:anyURI>> } ObjectType "0..∞" --> attributes attributes "*" --> any </pre> | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | element Object | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MimeType</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encoding</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | MimeType | xs:string | optional | | | | Encoding | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| MimeType | xs:string | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Encoding | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <pre> <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> </pre> | | | | | | | | | | | | | | | | | | | | | | | | |

attribute ObjectType/@Id

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

attribute ObjectType/@MimeType

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

attribute **ObjectType/@Encoding**

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

complexType **PGPDataType**

| | |
|-----------|---|
| diagram | <pre> sequenceDiagram participant PGPDataType participant PGPKeyID participant PGPKeyPacket participant Any1 participant Any2 PGPDataType --> PGPKeyID PGPKeyID --> PGPKeyPacket PGPKeyPacket --> Any1 PGPKeyPacket --> Any2 </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket |
| used by | element PGPData |
| source | <pre> <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> </pre> |

element **PGPDataType/PGPKeyID**

| | |
|------------|---|
| diagram | <pre> classDiagram participant PGPKeyID </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | <code>xs:base64Binary</code> |
| properties | content simple |
| source | <code><xs:element name="PGPKeyID" type="base64Binary"/></code> |

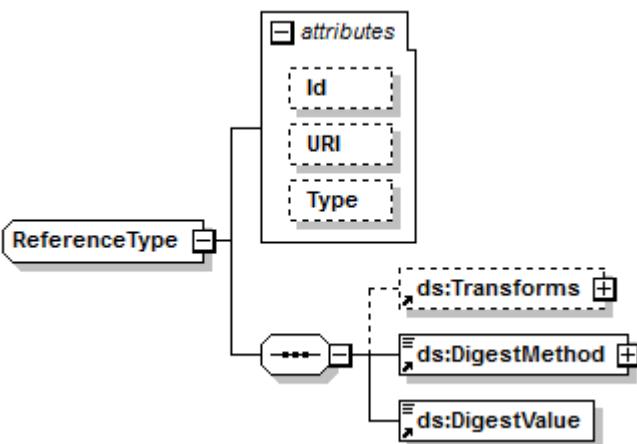
element PGPDataType/PGPKeyPacket

| | |
|------------|---|
| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>URI</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | URI | xs:anyURI | optional | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| URI | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <xs:complexType name="ReferenceType"> | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| | <pre> <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"/> </pre> |
|--|--|

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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>URI</td> <td>xs:anyURI</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | URI | xs:anyURI | | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| URI | xs:anyURI | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | |
| source | <xs:complexType name="RetrievalMethodType"> | | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| | <pre> <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></pre> |
|--|--|

attribute **RetrievalMethodType/@URI**

| | |
|--------|---|
| type | <code>xs:anyURI</code> |
| source | <code><xs:attribute name="URI" type="anyURI"/></code> |

attribute **RetrievalMethodType/@Type**

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

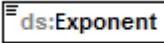
complexType **RSAKeyValue**

| | |
|-----------|---|
| diagram | <pre> classDiagram RSAKeyValue { <<Complex Type>> <<Element>> <<Element>> } RSAKeyValue "1" -- "2" Modulus RSAKeyValue "1" -- "2" Exponent </pre> |
| namespace | <code>http://www.w3.org/2000/09/xmldsig#</code> |
| children | ds:Modulus ds:Exponent |
| used by | element RSAKeyValue |
| source | <pre> <xs:complexType name="RSAKeyValue"> <xs:sequence> <xs:element name="Modulus" type="ds:CryptoBinary"/> <xs:element name="Exponent" type="ds:CryptoBinary"/> </xs:sequence> </xs:complexType></pre> |

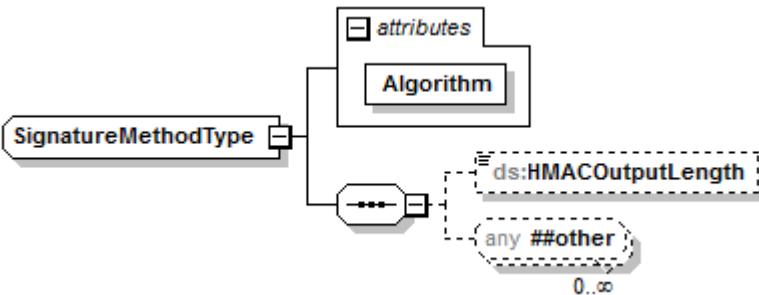
element **RSAKeyValue/Modulus**

| | |
|------------|--|
| diagram | <pre> classDiagram RSAKeyValue { <<Element>> } RSAKeyValue "1" -- "2" Modulus </pre> |
| namespace | <code>http://www.w3.org/2000/09/xmldsig#</code> |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <code><xs:element name="Modulus" type="ds: CryptoBinary"/></code> |

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"/> |

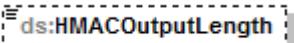
complexType SignatureMethodType

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|----------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds: HMACOutputLength | | | | | | | | | | | | |
| used by | element SignatureMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs: anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs: anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs: anyURI | required | | | | | | | | | | | |
| source | <pre><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 -- &lt;/xs:sequence&gt; &lt;xs:attribute name="Algorithm" type="anyURI" use="required"/&gt; &lt;/xs:complexType&gt;</pre> </pre> | | | | | | | | | | | | |

attribute SignatureMethodType/@Algorithm

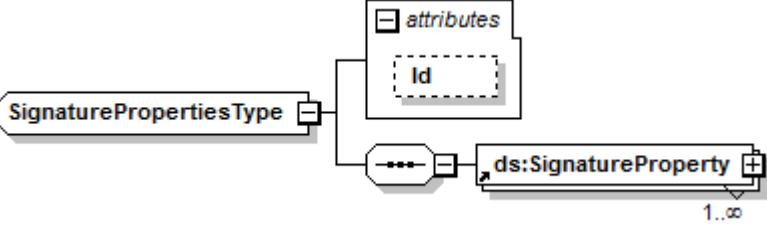
| | |
|------------|---|
| type | xs: anyURI |
| properties | use required |
| source | <xs:attribute name="Algorithm" type="anyURI" use="required"/> |

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"/> |

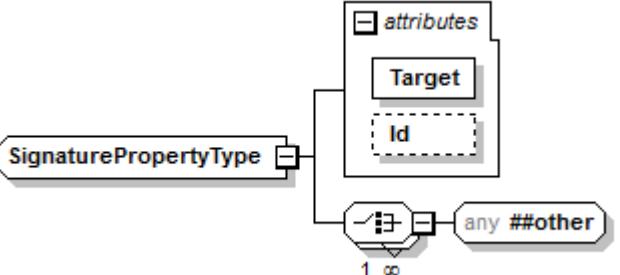
complexType SignaturePropertiesType

| diagram |  <pre> classDiagram class SignaturePropertiesType { <<SignaturePropertiesType>> <<ds:SignatureProperty>> <<attributes>> <<Id>> <<sequence>> <<...>> <<ds:SignatureProperty>> <<1..>> } </pre> | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:SignatureProperty | | | | | | | | | | | | |
| used by | element SignatureProperties | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| 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 |  <pre> classDiagram class SignaturePropertyType { <<SignaturePropertyType>> <<Target>> <<Id>> <<sequence>> <<...>> <<any ##other>> <<1..>> } </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | | | | | | |
|------------|--|--|-----------------------------|---------|-------|------------|
| properties | mixed | true | | | | |
| used by | element | SignatureProperty | | | | |
| attributes | Name Target Id | Type xs:anyURI xs:ID | Use required optional | Default | Fixed | Annotation |
| source | <xs:complexType name="Signature.PropertyType" 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> | | | | | |

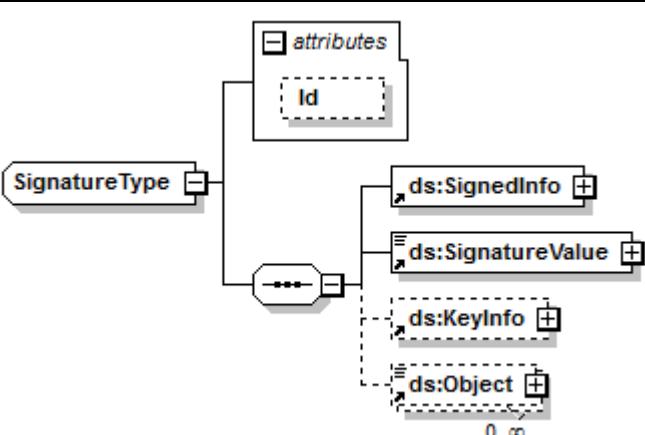
attribute [Signature.PropertyType/@Target](#)

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

attribute [Signature.PropertyType/@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 |

| | | | |
|--------|-----------|---|----------|
| | <u>Id</u> | xs:ID | optional |
| source | | <pre><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></pre> | |

attribute **SignatureType/@Id**

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

complexType **SignatureValueType**

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

attribute **SignatureValueType/@Id**

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

complexType SignedInfoType

| diagram | <pre> classDiagram class SignedInfoType { attribute Id sequence { ds:CanonicalizationMethod ds:SignatureMethod * ds:Reference } } </pre> <p>The diagram shows the <code>SignedInfoType</code> complex type. It has an attribute named <code>Id</code>. Inside the type definition, there is a sequence block containing three elements: <code>ds:CanonicalizationMethod</code>, <code>ds:SignatureMethod</code>, and <code>ds:Reference</code>. The <code>ds:Reference</code> element is marked with a multiplicity of <code>1..∞</code>.</p> | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|--------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:CanonicalizationMethod ds:SignatureMethod ds:Reference | | | | | | | | | | | | |
| used by | element SignedInfo | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td><code>xs:ID</code></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | <code>xs:ID</code> | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | <code>xs:ID</code> | optional | | | | | | | | | | | |
| source | <pre> <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> </pre> | | | | | | | | | | | | |

attribute SignedInfoType/@Id

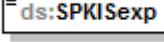
| | |
|------------|---|
| type | <code>xs:ID</code> |
| properties | use optional |
| source | <pre> <xs:attribute name="Id" type="ID" use="optional"/> </pre> |

complexType SPKIDataType

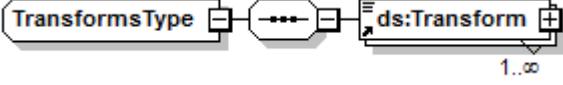
| | |
|-----------|---|
| diagram | <pre> classDiagram class SPKIDataType { sequence { * ds:SPKISexp any ##other } } </pre> <p>The diagram shows the <code>SPKIDataType</code> complex type. It has a sequence block containing two items: <code>ds:SPKISexp</code> (with multiplicity <code>1..∞</code>) and <code>any ##other</code>.</p> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:SPKISexp |
| used by | element SPKIData |
| source | <pre> <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> </pre> |

| | |
|--|-------------------|
| | </xs:complexType> |
|--|-------------------|

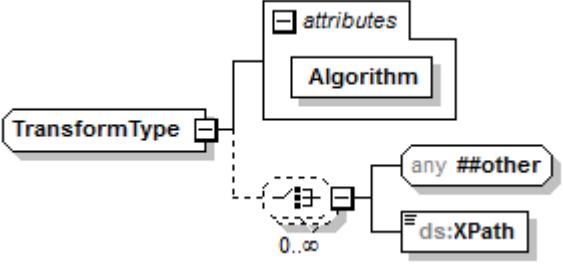
element **SPKIDataType/SPKISexp**

| | |
|------------|---|
| 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 | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <xs:complexType name="TransformType" mixed="true"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <xs:element ref="ds:XPath" /> </xs:choice> </xs:complexType> | | | | | | | | | | | | |

| | |
|--|--|
| | <pre><!-- (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></pre> |
|--|--|

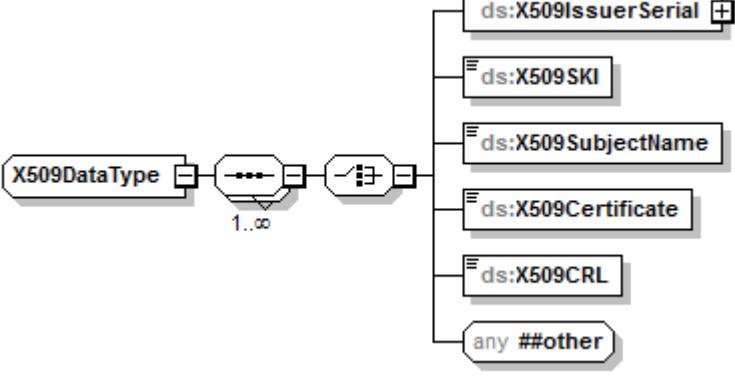
attribute **TransformType/@Algorithm**

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

element **TransformType/XPath**

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

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 | <pre><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:choice> </xs:sequence> </xs:complexType></pre> |

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

element X509DataType/X509IssuerSerial

| | |
|------------|--|
| diagram | <pre> classDiagram class ds:X509IssuerSerial class ds:X509IssuerSerialType { ds:X509IssuerName ds:X509SerialNumber } ds:X509IssuerSerial --> ds:X509IssuerSerialType </pre> |
| 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 | <pre> classDiagram class ds:X509SKI </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="X509SKI" type="base64Binary"/> |

element X509DataType/X509SubjectName

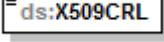
| | |
|------------|--|
| diagram | <pre> classDiagram class ds:X509SubjectName </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <xs:element name="X509SubjectName" type="string"/> |

element X509DataType/X509Certificate

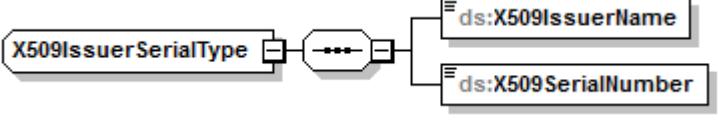
| | |
|---------|--|
| diagram | <pre> classDiagram class ds:X509Certificate </pre> |
|---------|--|

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

element X509Data**Type**/X509CRL

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

complexType X509IssuerSerial**Type**

| | |
|-----------|---|
| 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 X509IssuerSerial**Type**/X509IssuerName

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

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 RSAKeyValue / Exponent DSAKeyValue / G DSAKeyValue / J RSAKeyValue / Modulus DSAKeyValue / P DSAKeyValue / PgenCounter DSAKeyValue / Q DSAKeyValue / Seed DSAKeyValue / 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> |