5 XML Format

Here we place the XML world view on DSS AND_REMOVE_THIS_SENTENCE_WHEN_FINISHED.

5.1 XML – Type ContainerType

The generic entity `Base64DataType` is defined in 2.1 Type ContainerType.

WE_INSERT_SYSTEMATIC_NUMERATED_SPEC_TABLE_CAPTIONS Element name mapping table:

Element	XML Entity
`ConceptName`	`A_SIMILAR_THING`

Component of a certain Type	**XML entity**
`Component Container`	InstanceOf(ContainerType)
`Set of user defined sub-components (apart from the ones mentioned below).`	`TEXT(InstanceOf(ContainerType))`
`Sub-component AttRefUri`	`Attribute AttRefURI`
`Sub-component Id`	`Attribute ID`
`Sub-component IdRef`	`Attribute IDREF`
`Sub-component MimeType`	`Attribute MimeType`

XML schema snippet defining `Base64DataType:`

```
<xs:complexType name="ContainerType">
  <xs:simpleContent>
    <xs:extension base="xs:base64Binary">
      <xs:attribute name="MimeType" type="xs:string" use="optional"/>
      <xs:attribute name="AttRefURI" type="xs:anyURI" use="optional"/>
      <xs:attribute name="ID" type="xs:ID" use="optional"/>
      <xs:attribute name="IDREF" type="xs:IDREF" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The elements `ID` and `IDREF` take advantage of XML's ID mechanism.

6.6 XML – Type AnyType

The generic entity `AnyType` is defined in Error: Reference source not found Type AnyType.

The `AnyType` can be used as a replacement for XML's `xs:any` .

WE_INSERT_SYSTEMATIC_NUMERATED_SPEC_TABLE_CAPTIONS Element name mapping table:

Element	XML Entity

ConceptName	A_SIMILAR_THING

Component of a certain Type	XML entities
Component Container	InstanceOf(AnyType)
Set of user defined sub-components (apart from the one defined below).	TEXT(InstanceOf(AnyType))
Sub-component MimeType	Attribute MimeType

XML schema snippet defining AnyType:

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

        <xs:simpleContent>
          <xs:extension base="xs:base64Binary">
            <xs:attribute name="MimeType" type="xs:string" use="optional"/>
          </xs:extension>
        </xs:simpleContent>

</xs:complexType>
```

6.7 XML – Type InternationalStringType

The generic entity InternationalStringType is defined in 2.6 Type InternationalStringType.

The InternationalStringType type attaches a xml:lang attribute to a human-readable string to specify the string's language.

WE_INSERT_SYSTEMATIC_NUMERATED_SPEC_TABLE_CAPTIONS Element name mapping table:

Element	XML Entity
ConceptName	A_SIMILAR_THING

Component of a certain Type	XML entities
Component InternationalString	InstanceOf(InternationalStringType)
Sub-component HumanReadableString	TEXT(InstanceOf(InternationalStringType))
Sub-component Language	Attribute xml:lang

XML schema snippet defining InternationalStringType:

```
<xs:complexType name="InternationalStringType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute ref="xml:lang" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

6.8 XML – Type KeyInfoType

The generic entity `KeyInfoType` is defined in 2.7 Type KeyInfoType.

WE_INSERT_SYSTEMATIC_NUMERATED_SPEC_TABLE_CAPTIONS Element name mapping table:

Element	XML Entity
`ConceptName`	`A_SIMILAR_THING`

Component of a certain Type	**XML entities**
Component KeyInfo	InstanceOf(KeyInfoType)
`Sub-component X509Digest`	`X509Digest`
`Sub-component Algorithm of sub-component X509Digest`	`Attribute Algorithm within X509Digest`
`Sub-component X509SubjectName`	`X509SubjectName`
`Sub-component X509SKI`	`X509SKI`
`Sub-component X509Certificate`	`X509Certificate`
`Sub-component KeyName`	`KeyName`

XML schema snippet defining `KeyInfoType`:

```
<xs:complexType name="KeyInfoType">
  <xs:choice>
    <xs:element name="X509Digest">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:base64Binary">
            <xs:attribute name="Algorithm" type="xs:anyURI" use="required"/>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="X509SubjectName" type="xs:string"/>
    <xs:element name="X509SKI" type="xs:base64Binary"/>
    <xs:element name="X509Certificate" type="xs:base64Binary"/>
    <xs:element name="KeyName" type="xs:string"/>
  </xs:choice>
</xs:complexType>
```