

Schema documentation for tridas.xsd

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Namespace: "http://www.tridas.org/1.2"

Schemas

Main schema tridas.xsd

Namespace	http://www.tridas.org/1.2
Properties	attribute form default: unqualified element form default: qualified
Schema location	http://www.tridas.org/1.2/tridas.xsd

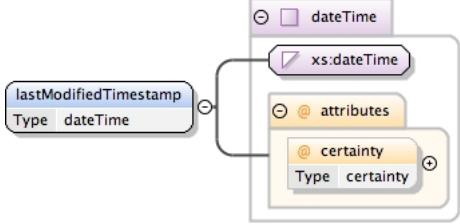
Elements

Element createdTimestamp

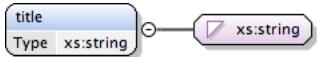
Namespace	http://www.tridas.org/1.2										
Annotations	Field containing date and time when this record was created.										
Diagram	<pre> classDiagram class createdTimestamp { <<xs:complexType>> <<xs:baseType="xs:dateTime">> <<@certainty type="certainty">> } </pre>										
Type	dateTime										
Properties	content: complex										
Used by	Complex Types: baseSeries, tridasEntity Elements: derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre> <xs:element name="createdTimestamp" type="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">Field containing date and time when this record was created.</xs:documentation> </xs:annotation> </xs:element> </pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element lastModifiedTimestamp

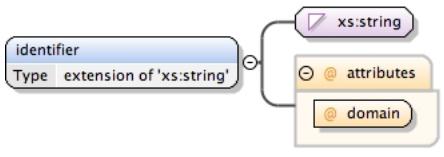
Namespace	http://www.tridas.org/1.2
Annotations	Field containing date and time when this records was last updated.

Diagram											
Type	dateTime										
Properties	content: complex										
Used by	Complex Types baseSeries, tridasEntity Elements derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="lastModifiedTimestamp" type="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">Field containing date and time when this records was last updated.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element title

Namespace	http://www.tridas.org/1.2
Annotations	Title or name of this entity. This should be a 'human readable' name by which the entity is referred.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Complex Types baseSeries, tridasEntity Elements derivedSeries, element, measurementSeries, object, project, radius, sample
Source	<pre><xs:element name="title" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Title or name of this entity. This should be a 'human readable' name by which the entity is referred.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element identifier

Namespace	http://www.tridas.org/1.2
Annotations	Identifier for this entity which in combination with the domain should be unique. This is typically a computer generated code such as a database primary key.
Diagram	
Type	extension of xs:string
Properties	content: complex
Used by	Complex Types baseSeries, tridasEntity Elements derivedSeries, element, laboratory, linkSeries, linkSeries/preferredSeries, measurementSeries, object, project, radius, research, sample

Attributes	QName	Type	Fixed	Default	Use
	domain				required
	The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.				
Source	<pre> <xs:element name="identifier"> <xs:annotation> <xs:documentation xml:lang="EN">Identifier for this entity which in combination with the domain should be unique. This is typically a computer generated code such as a database primary key.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="domain" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element comments

Namespace	http://www.tridas.org/1.2	
Annotations	More information about this entity.	
Diagram	<pre> graph LR comments[comments Type xs:string] --> xsString[xs:string] </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Types	baseSeries, tridasEntity
	Elements	derivedSeries, element, measurementSeries, object, project, radius, sample
Source	<pre> <xs:element name="comments" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">More information about this entity.</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element linkSeries

Namespace	http://www.tridas.org/1.2	
Annotations	Fields for storing links to Series	
Diagram	<pre> graph LR linkSeries[linkSeries] --> preferredSeries[preferredSeries 0..1] linkSeries --> idRef[idRef 0..1] linkSeries --> xLink[xLink 0..1] xLink --> identifier[identifier Type extension of 'xs:string'] </pre>	
Properties	content: complex	
Used by	Elements: datingReference, derivedSeries, element, object Complex Type: baseSeries	
Model	preferredSeries{0,1} , (idRef xLink identifier)	
Children	idRef, identifier, preferredSeries, xLink	

Instance	<pre><linkSeries> <preferredSeries>{0,1}</preferredSeries> </linkSeries></pre>
Source	<pre><xs:element name="linkSeries"> <xs:annotation> <xs:documentation xml:lang="EN">Fields for storing links to Series</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="preferredSeries" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="EN">Link to preferred (best/most representative) series for this entity</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice> <xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF"/> </xs:complexType> </xs:element> <xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href"/> </xs:complexType> </xs:element> <xs:element ref="identifier"/> </xs:choice> </xs:complexType> </xs:element> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF"/> </xs:complexType> </xs:element> <xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href"/> </xs:complexType> </xs:element> <xs:element ref="identifier"/> </xs:choice> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element linkSeries/preferredSeries

Namespace	http://www.tridas.org/1.2
Annotations	Link to preferred (best/most representative) series for this entity
Diagram	<pre> classDiagram class preferredSeries { <<Link to preferred (best/most representative) series for this entity>> } class idRef class xLink class identifier preferredSeries "0..1" -- "0..1" idRef : idRef preferredSeries "0..1" -- "0..1" xLink : xLink preferredSeries "0..1" -- "1..unbounded" identifier : identifier </pre>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	idRef xLink identifier
Children	idRef, identifier, xLink
Instance	<pre><preferredSeries> <idRef ref="">{1,1}</idRef> <xLink xlink:href="">{1,1}</xLink> <identifier domain="">{1,1}</identifier> </preferredSeries></pre>
Source	<pre><xs:element name="preferredSeries" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="EN">Link to preferred (best/most representative) series for this entity</xs:documentation></pre>

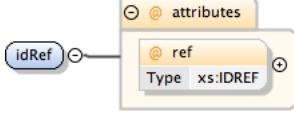
```

</xs:annotation>
<xs:complexType>
  <xs:choice>
    <xs:element name="idRef">
      <xs:complexType>
        <xs:attribute name="ref" type="xs:IDREF" />
      </xs:complexType>
    </xs:element>
    <xs:element name="xLink">
      <xs:complexType>
        <xs:attribute ref="xlink:href" />
      </xs:complexType>
    </xs:element>
    <xs:element ref="#identifier" />
  </xs:choice>
</xs:complexType>
</xs:element>

```

Schema location http://www.tridas.org/1.2/tridas.xsd

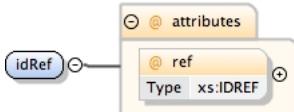
Element preferredSeries/linkSeries/idRef

Namespace	http://www.tridas.org/1.2														
Diagram															
Properties	content: complex														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ref</td> <td>xs:IDREF</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ref	xs:IDREF			optional
QName	Type	Fixed	Default	Use											
ref	xs:IDREF			optional											
Source	<pre> <xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element> </pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Element preferredSeries/linkSeries/xLink

Namespace	http://www.tridas.org/1.2														
Diagram															
Properties	content: complex														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	xlink:href	anyURI			optional
QName	Type	Fixed	Default	Use											
xlink:href	anyURI			optional											
Source	<pre> <xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element> </pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Element linkSeries/idRef

Namespace	http://www.tridas.org/1.2				
Diagram					

Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	ref	xs:IDREF			optional
Source	<xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element linkSeries/xLink

Namespace	http://www.tridas.org/1.2				
Diagram					
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	xlink:href	anyURI			optional
Source	<xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element type

Namespace	http://www.tridas.org/1.2				
Annotations	The type of entity this is. Preferably derived from a controlled vocabulary.				
Diagram					
Type	controlledVoc				
Properties	content: complex				
Used by	Elements: derivedSeries, element, object, project, sample, statFoundation Complex Type: baseSeries				
Attributes	QName	Type	Fixed	Default	Use
	normal				optional
	The normalised name for this entry				
	normalId				optional
	The ID value in the standard dictionary corresponding to this entry				
	normalStd				optional
	The name of the standard used to control this vocabulary				
Source	<xs:element name="type" type="controlledVoc"> <xs:annotation>				

	<pre><xs:documentation xml:lang="EN">The type of entity this is. Preferably derived from a controlled vocabulary.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element description

Namespace	http://www.tridas.org/1.2
Annotations	General description of this entity.
Diagram	<pre>graph LR; description[description] --> Type["Type xs:string"]</pre>
Type	xs:string
Properties	content: simple
Used by	Elements element, object, project, research, sample
Source	<pre><xs:element name="description" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">General description of this entity.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element location

Namespace	http://www.tridas.org/1.2
Annotations	Details about the geographical location of this entity.
Diagram	<pre>graph LR; location[location] --> locationGeometry[locationGeometry]; location --> locationType[locationType]; location --> locationPrecision[locationPrecision]; location --> locationComment[locationComment]</pre>
Properties	content: complex
Used by	Elements derivedSeries, element, object Complex Type baseSeries
Model	locationGeometry , locationType{0,1} , locationPrecision{0,1} , locationComment{0,1}
Children	locationComment, locationGeometry, locationPrecision, locationType
Instance	<pre><location> <locationGeometry>{1,1}</locationGeometry> <locationType>{0,1}</locationType> <locationPrecision>{0,1}</locationPrecision> <locationComment>{0,1}</locationComment> </location></pre>
Source	<pre><xs:element name="location"> <xs:annotation> <xs:documentation xml:lang="EN">Details about the geographical location of this entity.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="locationGeometry"/> <xs:element ref="locationType" minOccurs="0"/> <xs:element ref="locationPrecision" minOccurs="0"/> <xs:element ref="locationComment" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element locationGeometry

Namespace	http://www.tridas.org/1.2
Annotations	GML representation of a location. Can be either a point to represent a particular location or a polygon to represent an area or a geographical extent / bounding box.
Diagram	<pre> classDiagram class locationGeometry class gml::Point { <<gml:Point>> <<Type gml:PointType>> } class gml::Polygon { <<gml:Polygon>> <<Type gml:PolygonType>> } locationGeometry "1..2" --> "1..1" gml::Point locationGeometry "1..2" --> "1..1" gml::Polygon </pre>
Properties	content: complex
Used by	Element location
Model	gml:Point gml:Polygon
Children	gml:Point, gml:Polygon
Instance	<pre> <locationGeometry> <gml:Point gml:id="" srsName="">{1,1}</gml:Point> <gml:Polygon gml:id="" srsName="">{1,1}</gml:Polygon> </locationGeometry> </pre>
Source	<pre> <xs:element name="locationGeometry"> <xs:annotation> <xs:documentation xml:lang="EN">GML representation of a location. Can be either a point to represent a particular location or a polygon to represent an area or a geographical extent / bounding box.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice> <xs:element ref="gml:Point" /> <xs:element ref="gml:Polygon" /> </xs:choice> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element locationType

Namespace	http://www.tridas.org/1.2
Annotations	The type of location that the geometry field represents taken from the TRiDaS controlled vocabulary.
Diagram	<pre> classDiagram class locationType class normalTridasLocationType { <<normalTridasLocationType>> } locationType "1..2" --> "1..1" normalTridasLocationType </pre>
Type	normalTridasLocationType
Properties	content: simple
Facets	enumeration Growth location, Location of use (static), Location of use (mobile), Current location, Manufacture location
Used by	Element location
Source	<pre> <xs:element name="locationType" type="normalTridasLocationType"> <xs:annotation> <xs:documentation>The type of location that the geometry field represents taken from the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element locationPrecision

Namespace	http://www.tridas.org/1.2
Annotations	Stores potential difference; number of meters difference, so 0 is exact.
Diagram	<pre> classDiagram class locationPrecision class xs::string { <<xs:string>> } locationPrecision "1..2" --> "1..1" xs:string </pre>

Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xs:element name="locationPrecision" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Stores potential difference; number of meters difference, so 0 is exact.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element locationComment

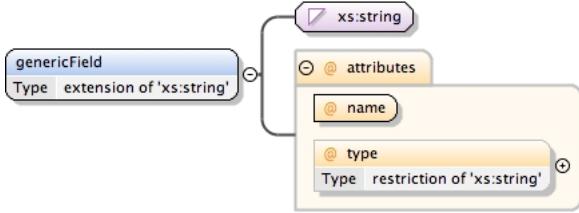
Namespace	http://www.tridas.org/1.2
Annotations	Additional information about the location, for example, point taken from center or corner of area, which corner
Diagram	<pre> classDiagram class locationComment { @ xs:string } locationComment "1" -- "0..1" xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xs:element name="locationComment" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Additional information about the location, for example, point taken from center or corner of area, which corner</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element file

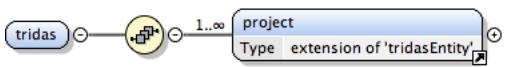
Namespace	http://www.tridas.org/1.2										
Annotations	Filename of a file associated with this entity.										
Diagram	<pre> classDiagram class file { @ attributes @ xlink:href } file "1" -- "0..1" anyURI </pre>										
Properties	content: complex										
Used by	Elements element, object, project, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:href	anyURI			required
QName	Type	Fixed	Default	Use							
xlink:href	anyURI			required							
Source	<pre><xs:element name="file"> <xs:annotation> <xs:documentation xml:lang="EN">Filename of a file associated with this entity.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute ref="xlink:href" use="required"/> </xs:complexType> </xs:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element genericField

Namespace	http://www.tridas.org/1.2
Annotations	Generic field for storing key/value pairs for data not currently supported in the TRiDaS standard

Diagram																										
Type	extension of xs:string																									
Properties	content: complex																									
Used by	Elements derivedSeries, element, measurementSeries, object, project, radius, sample Complex Type baseSeries																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>name</td><td></td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Name of the field.</td></tr> <tr> <td>type</td><td>restriction of xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The data type that this field contains.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	name				required		Name of the field.				type	restriction of xs:string			optional		The data type that this field contains.			
QName	Type	Fixed	Default	Use																						
name				required																						
	Name of the field.																									
type	restriction of xs:string			optional																						
	The data type that this field contains.																									
Source	<pre> <xs:element name="genericField"> <xs:annotation> <xs:documentation xml:lang="EN">Generic field for storing key/value pairs for data not currently supported in the TRiDaS standard</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Name of the field.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="type" use="optional"> <xs:annotation> <xs:documentation>The data type that this field contains.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="xs:string"/> <xs:enumeration value="xs:boolean"/> <xs:enumeration value="xs:integer"/> <xs:enumeration value="xs:float"/> <xs:enumeration value="xs:date"/> <xs:enumeration value="xs:dateTime"/> <xs:enumeration value="xs:duration"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																									
Schema location	http://www.tridas.org/1.2/tridas.xsd																									

Element tridas

Namespace	http://www.tridas.org/1.2
Diagram	
Properties	content: complex
Model	project+
Children	project
Instance	<pre> <tridas> <project>{1,unbounded}</project> </tridas> </pre>
Source	<pre> <xs:element name="tridas"> <xs:complexType> </pre>

	<pre> <xs:sequence> <xs:element ref="project" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element project

Namespace	http://www.tridas.org/1.2
Annotations	<p>A project is defined by a laboratory and encompasses dendrochronological research of a particular object or group of objects. Examples include: the dating of a building; the research of forest dynamics in a stand of living trees; the dating of all Rembrandt paintings in a museum. What is considered a 'project' is up to the laboratory performing the research. It could be the dating of a group of objects, but the laboratory can also decide to define a separate project for each object. Therefore, a project can have one or more objects associated with it.</p>
Diagram	<pre> classDiagram class tridasEntity { title : xs:string identifier : extension of xs:string createdTimestamp : dateTime lastModifiedTimestamp : dateTime comments : xs:string } class project { <<extension of tridasEntity>> type : controlledVoc description : xs:string file laboratory category : extension of controlledVoc investigator : xs:string period : xs:string requestDate : date commissioner : xs:string reference : xs:string research genericField : extension of xs:string object : extension of tridasEntity derivedSeries : restriction of baseSeries } tridasEntity "1..>" project project "0..>" file project "1..>" laboratory project "0..>" reference project "0..>" research </pre>
Type	extension of tridasEntity
Type hierarchy	• tridasEntity

Properties	content: complex
Used by	Element tridas
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type+ , description{0,1} , file* , laboratory+ , category , investigator , period , requestDate{0,1} , commissioner{0,1} , reference* , research* , genericField* , object* , derivedSeries*
Children	category, comments, commissioner, createdTimestamp, derivedSeries, description, file, genericField, identifier, investigator, laboratory, lastModifiedTimestamp, object, period, reference, requestDate, research, title, type
Instance	<pre><project> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </project></pre>
Source	<pre><xs:element name="project"> <xs:annotation> <xs:documentation xml:lang="EN">A project is defined by a laboratory and encompasses dendrochronological research of a particular object or group of objects. Examples include: the dating of a building; the research of forest dynamics in a stand of living trees; the dating of all Rembrandt paintings in a museum. What is considered a 'project' is up to the laboratory performing the research. It could be the dating of a group of objects, but the laboratory can also decide to define a separate project for each object. Therefore, a project can have one or more objects associated with it.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type" maxOccurs="unbounded"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="laboratory" maxOccurs="unbounded"/> <xs:element ref="category"/> <xs:element ref="investigator"/> <xs:element ref="period"/> <xs:element ref="requestDate" minOccurs="0"/> <xs:element ref="commissioner" minOccurs="0"/> <xs:element ref="reference" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="research" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="object" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="derivedSeries" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element laboratory

Namespace	http://www.tridas.org/1.2
Annotations	The dendrochronological research laboratory where this work was done.
Diagram	<pre> classDiagram class laboratory { identifier : xs:string name : xs:string place : xs:string country : xs:string } laboratory < -- tridasEntity </pre>
Properties	content: complex
Used by	Element project
Model	identifier{0,1} , name , place , country
Children	country, identifier, name, place
Instance	<pre><laboratory></pre>

	<pre> <identifier domain="">{0,1}</identifier> <name acronym="">{1,1}</name> <place>{1,1}</place> <country>{1,1}</country> </laboratory> </pre>
Source	<pre> <xs:element name="laboratory"> <xs:annotation> <xs:documentation xml:lang="EN">The dendrochronological research laboratory where this work was done.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="identifier" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Identifier for the laboratory.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="name"> <xs:complexType> <xs:annotation> <xs:documentation xml:lang="EN">Name of the laboratory.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="acronym" use="optional"> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element name="place" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Town or city where the laboratory is located.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="country" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Country where the laboratory is located.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element laboratory/name

Namespace	http://www.tridas.org/1.2															
Diagram	<pre> classDiagram class name { Type extension of 'xs:string' } class xsString { <<xs:string>> } name "○"-- "○" xsString name "○"-- "○" attributes name "○"-- "○" acronym note over name: Acronym of the laboratory. </pre>															
Type	extension of xs:string															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>acronym</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Acronym of the laboratory.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	acronym				optional		Acronym of the laboratory.			
QName	Type	Fixed	Default	Use												
acronym				optional												
	Acronym of the laboratory.															
Source	<pre> <xs:element name="name"> <xs:complexType> <xs:annotation> <xs:documentation xml:lang="EN">Name of the laboratory.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="acronym" use="optional"> </pre>															

	<pre> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element laboratory/place

Namespace	http://www.tridas.org/1.2
Annotations	Town or city where the laboratory is located.
Diagram	<pre> classDiagram place "Type xs:string" --> xs:string </pre>
Type	xs:string
Properties	content: simple
Source	<pre> <xs:element name="place" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Town or city where the laboratory is located.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element laboratory/country

Namespace	http://www.tridas.org/1.2
Annotations	Country where the laboratory is located.
Diagram	<pre> classDiagram country "Type xs:string" --> xs:string </pre>
Type	xs:string
Properties	content: simple
Source	<pre> <xs:element name="country" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Country where the laboratory is located.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element category

Namespace	http://www.tridas.org/1.2
Annotations	Category of research this project falls into. Preferably from a controlled vocabulary.
Diagram	<pre> classDiagram category "Type extension of 'controlledVoc'" --> controlledVoc controlledVoc "Type xs:string" controlledVoc "Attributes" @ normalStd @ normalAll @ normal category "Attributes" @ normalTridas Type normalTridasCategory </pre>

Type	extension of controlledVoc				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 				
Properties	content: complex				
Used by	Element project				
Attributes	QName	Type	Fixed	Default	Use
	normal				optional
	The normalised name for this entry				
	normalId				optional
	The ID value in the standard dictionary corresponding to this entry				
	normalStd				optional
The name of the standard used to control this vocabulary					
normalTridas					
normalTridasCategory					
TRiDaS controlled vocabulary of research categories.					
Source	<pre><xs:element name="category"> <xs:annotation> <xs:documentation xml:lang="EN">Category of research this project falls into. Preferably from a controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasCategory"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary of research categories.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element investigator

Namespace	http://www.tridas.org/1.2	
Annotations	Principal investigator of this project.	
Diagram	<pre> classDiagram class investigator { <<Principal investigator of this project.>> Type xs:string } xs:string investigator o--> xs:string </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Element project	
Source	<pre><xs:element name="investigator" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Principal investigator of this project.</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element period

Namespace	http://www.tridas.org/1.2	
Annotations	When the dendrochronological project took place. Could consist of a start- and end-date. If unknown it should be estimated.	
Diagram	<pre> classDiagram class period { <<When the dendrochronological project took place. Could consist of a start- and end-date.>> Type xs:string } xs:string period o--> xs:string </pre>	

Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="period" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">When the dendrochronological project took place. Could consist of a start- and end-date. If unknown it should be estimated.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element requestDate

Namespace	http://www.tridas.org/1.2										
Annotations	Date of the request for dendrochronology. If unknown it should be estimated.										
Diagram	<pre> classDiagram class requestDate { <<date>> <<xs:date>> <<@ attributes>> <<@ certainty>> <<certainty>> } requestDate < -- date requestDate < -- xs:date requestDate < -- attributes requestDate < -- certainty </pre>										
Type	date										
Properties	content: complex										
Used by	Element project										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="requestDate" type="date"> <xs:annotation> <xs:documentation xml:lang="EN">Date of the request for dendrochronology. If unknown it should be estimated.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element commissioner

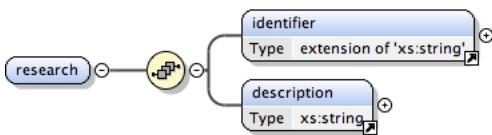
Namespace	http://www.tridas.org/1.2
Annotations	The person/organisation who commissioned the project.
Diagram	<pre> classDiagram class commissioner { <<xs:string>> } commissioner < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="commissioner" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">The person/organisation who commissioned the project.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element reference

Namespace	http://www.tridas.org/1.2
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Annotations	Citations of publications relating to this project.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="reference" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Citations of publications relating to this project.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

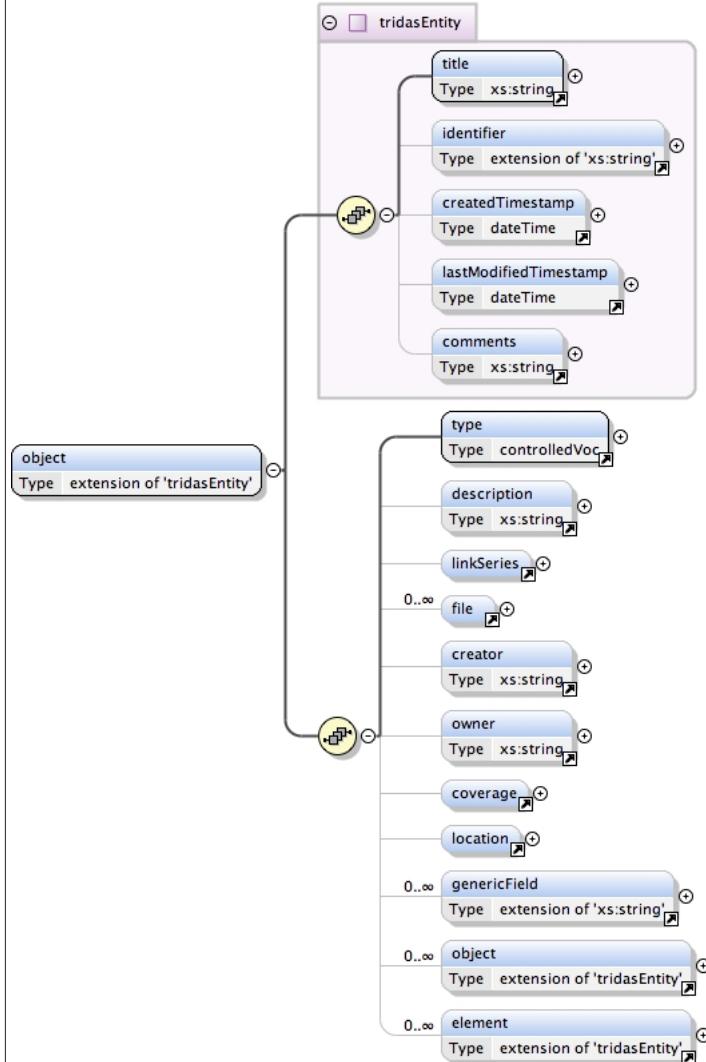
Element research

Namespace	http://www.tridas.org/1.2
Annotations	National/International system in which the research project is registered.
Diagram	
Properties	content: complex
Used by	Element project
Model	identifier , description
Children	description, identifier
Instance	<pre><research> <identifier domain="">{1,1}</identifier> <description>{1,1}</description> </research></pre>
Source	<pre><xs:element name="research"> <xs:annotation> <xs:documentation xml:lang="EN">National/International system in which the research project is registered.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="identifier"/> <xs:element ref="description"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element object

Namespace	http://www.tridas.org/1.2
Annotations	An object is the item to be investigated. Examples include: violin; excavation site; painting on a wooden panel; water well; church; carving; ship; forest. An object could also be more specific, for example: mast of a ship; roof of a church. Depending on the object type various descriptions are made possible. An object can have one or more elements and can also refer to another (sub) object. For instance a single file may contain three objects: an archaeological site object, within which there is a building object, within which there is a beam object. The list of possible object types is extensible and is thus flexible enough to incorporate the diversity of data required by the dendro community. Only information that is essential for dendrochronological research is recorded here. Other related data may be provided in the form of a link to an external database such as a museum catalogue.

Diagram



Type	extension of tridasEntity
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity
Properties	content: complex
Used by	Elements object, project
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type , description{0,1} , linkSeries{0,1} , file* , creator{0,1} , owner{0,1} , coverage{0,1} , location{0,1} , genericField* , object* , element*
Children	comments, coverage, createdTimestamp, creator, description, element, file, genericField, identifier, lastModifiedTimestamp, linkSeries, location, object, owner, title, type
Instance	<pre> <object> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </object> </pre>
Source	<pre> <xs:element name="object"> <xs:annotation> <xs:documentation xml:lang="EN">An object is the item to be investigated. Examples include: violin; excavation site; painting on a wooden panel; water well; church; carving; ship; forest. An object could also be more specific, for example: mast of a ship; roof of a church. Depending on the object type various descriptions are made possible. An object can have one or more elements and can also refer to another (sub) object. For instance a single file may contain three objects: an archaeological site object, within which there is a building object, within which there is a beam object. The list of possible object types is extensible and is thus flexible enough to incorporate the diversity of data required by the dendro community. Only information that is </xs:documentation> </xs:annotation> </pre>

	<p>essential for dendrochronological research is recorded here. Other related data may be provided in the form of a link to an external database such as a museum catalogue.</xs:documentation></p> <pre> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="linkSeries" minOccurs="0" maxOccurs="1"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="creator" minOccurs="0"/> <xs:element ref="owner" minOccurs="0"/> <xs:element ref="coverage" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="object" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="element" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element creator

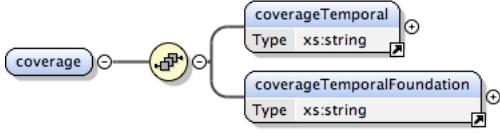
Namespace	http://www.tridas.org/1.2
Annotations	Name of creator, place of the workshop/wharf etc.
Diagram	<pre> classDiagram class creator { Type xs:string } creator "0..1" -- "1" xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element object
Source	<pre> <xs:element name="creator" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of creator, place of the workshop/wharf etc.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element owner

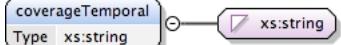
Namespace	http://www.tridas.org/1.2
Annotations	Name of the owner of the physical object.
Diagram	<pre> classDiagram class owner { Type xs:string } owner "0..1" -- "1" xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element object
Source	<pre> <xs:element name="owner" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the owner of the physical object.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element coverage

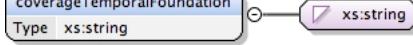
Namespace	http://www.tridas.org/1.2
Annotations	Details on the time period this object covers.

Diagram	
Properties	content: complex
Used by	Element object
Model	coverageTemporal , coverageTemporalFoundation
Children	coverageTemporal, coverageTemporalFoundation
Instance	<pre><coverage> <coverageTemporal>{1,1}</coverageTemporal> <coverageTemporalFoundation>{1,1}</coverageTemporalFoundation> </coverage></pre>
Source	<pre><xs:element name="coverage"> <xs:annotation> <xs:documentation xml:lang="EN">Details on the time period this object covers.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="coverageTemporal" /> <xs:element ref="coverageTemporalFoundation" /> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element coverageTemporal

Namespace	http://www.tridas.org/1.2
Annotations	If the date is already known in more or less detail: historical period (broad). Equivalent to Dublin Core term 'temporal'.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<pre><xs:element name="coverageTemporal" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">If the date is already known in more or less detail: historical period (broad). Equivalent to Dublin Core term 'temporal'.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element coverageTemporalFoundation

Namespace	http://www.tridas.org/1.2
Annotations	Method of dating support (e.g. archive sources, inscriptions, stratigraphic context, associated finds, typology, stylistic aspects, carpenter marks, radiocarbon, OSL, other methods).
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<pre><xs:element name="coverageTemporalFoundation" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Method of dating support (e.g. archive sources, inscriptions, stratigraphic context, associated finds, typology, stylistic aspects, carpenter marks, radiocarbon, OSL, other methods).</xs:documentation> </xs:annotation> </xs:element></pre>

	</xs:annotation> </xs:element>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element element

Namespace	http://www.tridas.org/1.2
Annotations	An element is a piece of wood originating from a single tree. Examples include: one plank of a water well; a single wooden panel in a painting; the left-hand back plate of a violin; one beam in a roof; a tree trunk preserved in the soil; a living tree. The element is a specific part of exactly one object or sub object. An object will often consist of more than one element, e.g., when dealing with the staves (elements) of a barrel (object). One or more samples can be taken from an element and an element may be dated using one or more derivedSeries.
Diagram	<pre> classDiagram class tridasEntity { title: xs:string identifier: extension of 'xs:string' createdTimestamp: dateTime lastModifiedTimestamp: dateTime comments: xs:string } class element { <<extension of tridasEntity>> type: controlledVoc description: xs:string linkSeries: linkSeries file: file * "0..∞" taxon: controlledVoc shape: extension of controlledVoc dimensions: dimensions authenticity: xs:string location: location processing: xs:string marks: xs:string altitude: xs:double slope: slope soil: soil bedrock: bedrock genericField: extension of xs:string * "0..∞" sample: extension of tridasEntity * "0..∞" } tridasEntity < -- element </pre>
Type	extension of tridasEntity

Type hierarchy	• tridasEntity
Properties	content: complex
Used by	Element object
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type{0,1} , description{0,1} , linkSeries{0,1} , file* , taxon , shape{0,1} , dimensions{0,1} , authenticity{0,1} , location{0,1} , processing{0,1} , marks{0,1} , altitude{0,1} , slope{0,1} , soil{0,1} , bedrock{0,1} , genericField* , sample*
Children	altitude, authenticity, bedrock, comments, createdTimestamp, description, dimensions, file, genericField, identifier, lastModifiedTimestamp, linkSeries, location, marks, processing, sample, shape, slope, soil, taxon, title, type
Instance	<pre><element> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </element></pre>
Source	<pre><xs:element name="element"> <xs:annotation> <xs:documentation xml:lang="EN">An element is a piece of wood originating from a single tree. Examples include: one plank of a water well; a single wooden panel in a painting; the left-hand back plate of a violin; one beam in a roof; a tree trunk preserved in the soil; a living tree. The element is a specific part of exactly one object or sub object. An object will often consist of more than one element, e.g., when dealing with the staves (elements) of a barrel (object). One or more samples can be taken from an element and an element may be dated using one or more derivedSeries.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type" minOccurs="0"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="linkSeries" minOccurs="0" maxOccurs="1"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="taxon"/> <xs:element ref="shape" minOccurs="0"/> <xs:element ref="dimensions" minOccurs="0"/> <xs:element ref="authenticity" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="processing" minOccurs="0"/> <xs:element ref="marks" minOccurs="0"/> <xs:element ref="altitude" minOccurs="0"/> <xs:element ref="slope" minOccurs="0"/> <xs:element ref="soil" minOccurs="0"/> <xs:element ref="bedrock" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="sample" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element taxon

Namespace	http://www.tridas.org/1.2
Annotations	The most detailed taxonomic name known for this element (species, genus, family etc). Preferably from the Catalogue of Life (www.catalogueoflife.org) controlled vocabulary.
Diagram	
Type	controlledVoc

Properties	content: complex				
Used by	Element element				
Attributes	QName	Type	Fixed	Default	Use
	normal				optional
	The normalised name for this entry				
	normalId				optional
	The ID value in the standard dictionary corresponding to this entry				
Source	normalStd				optional
	The name of the standard used to control this vocabulary				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element shape

Namespace	http://www.tridas.org/1.2				
Annotations	The shape of this element, as a free text description, an entry from a specified controlled vocabulary, or preferably from the TRiDaS controlled vocabulary.				
Diagram	<pre> classDiagram shape < -- controlledVoc shape "extension of 'controlledVoc'" --> shape shape "extension of 'controlledVoc'" --> "normalTridasShape" </pre>				
Type	extension of controlledVoc				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 				
Properties	content: complex				
Used by	Element element				
Attributes	QName	Type	Fixed	Default	Use
	normal				optional
	The normalised name for this entry				
	normalId				optional
	The ID value in the standard dictionary corresponding to this entry				
Source	normalStd				optional
	The name of the standard used to control this vocabulary				
Source	normalTridas	normalTridasShape			optional
	<pre> <xs:element name="shape"> <xs:annotation> <xs:documentation>The shape of this element, as a free text description, an entry from a specified controlled vocabulary, or preferably from the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> </xs:element> </pre>				

	<pre> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasShape" /> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element dimensions

Namespace	http://www.tridas.org/1.2
Annotations	Physical dimensions of this element, either height and diameter, or height, width and depth. The units of these measurements must also be specified.
Diagram	<pre> classDiagram class dimensions { unit height diameter width depth } dimensions < -- controlledVoc height >+ </pre>
Properties	content: complex
Used by	Element element
Model	unit , height , ((diameter) (width , depth))
Children	depth, diameter, height, unit, width
Instance	<pre> <dimensions> <unit normal="" normalId="" normalStd="" normalTridas="">{1,1}</unit> <height>{1,1}</height> </dimensions> </pre>
Source	<pre> <xs:element name="dimensions"> <xs:annotation> <xs:documentation xml:lang="EN">Physical dimensions of this element, either height and diameter, or height, width and depth. The units of these measurements must also be specified.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="unit"/> <xs:element name="height" type="xs:decimal"> <xs:annotation> <xs:documentation>Height of this element. Should be used in combination with either diameter, or width and depth.</xs:documentation> </xs:annotation> </xs:element> <xs:choice> <xs:sequence> <xs:element name="diameter" type="xs:decimal"> <xs:annotation> <xs:documentation>Diameter of this element. Used in combination with height when the element is a tree.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:sequence> <xs:element name="width" type="xs:decimal"> <xs:annotation> <xs:documentation>Width of the element.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="depth" type="xs:decimal"> <xs:annotation> <xs:documentation>Depth of the element.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element unit

Namespace	http://www.tridas.org/1.2																																								
Annotations	Measurement units used for these value, preferably taken from the TRiDaS controlled vocabulary																																								
Diagram	<pre> classDiagram controlledVoc { xs:string normalStd normalId normal } unit < -- controlledVoc unit { xs:string normalStd normalId normal } unit < -- normal normal { @normalTridas normalTridasUnit } </pre>																																								
Type	extension of controlledVoc																																								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																								
Properties	content: complex																																								
Used by	Elements dimensions, values																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The normalised name for this entry</td> </tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The ID value in the standard dictionary corresponding to this entry</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The name of the standard used to control this vocabulary</td> </tr> <tr> <td>normalTridas</td> <td>normalTridasUnit</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary				normalTridas	normalTridasUnit			optional
QName	Type	Fixed	Default	Use																																					
normal				optional																																					
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normalStd				optional																																					
	The name of the standard used to control this vocabulary																																								
normalTridas	normalTridasUnit			optional																																					
Source	<pre> <xs:element name="unit"> <xs:annotation> <xs:documentation xml:lang="EN">Measurement units used for these value, preferably taken from the TRiDaS controlled vocabulary</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasUnit"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																																								
Schema location	http://www.tridas.org/1.2/tridas.xsd																																								

Element dimensions/height

Namespace	http://www.tridas.org/1.2
Annotations	Height of this element. Should be used in combination with either diameter, or width and depth.
Diagram	<pre> dimensions { height } height { xs:decimal } </pre>

Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="height" type="xs:decimal"> <xs:annotation> <xs:documentation>Height of this element. Should be used in combination with either diameter, or width and depth.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element dimensions/diameter

Namespace	http://www.tridas.org/1.2
Annotations	Diameter of this element. Used in combination with height when the element is a tree.
Diagram	<pre> classDiagram class diameter { Type xs:decimal } diameter < -- xs:decimal </pre>
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="diameter" type="xs:decimal"> <xs:annotation> <xs:documentation>Diameter of this element. Used in combination with height when the element is a tree.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element dimensions/width

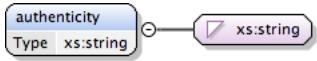
Namespace	http://www.tridas.org/1.2
Annotations	Width of the element.
Diagram	<pre> classDiagram class width { Type xs:decimal } width < -- xs:decimal </pre>
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="width" type="xs:decimal"> <xs:annotation> <xs:documentation>Width of the element.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element dimensions/depth

Namespace	http://www.tridas.org/1.2
Annotations	Depth of the element.
Diagram	<pre> classDiagram class depth { Type xs:decimal } depth < -- xs:decimal </pre>
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="depth" type="xs:decimal"> <xs:annotation> <xs:documentation>Depth of the element.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element authenticity

Namespace	http://www.tridas.org/1.2
Annotations	Whether this element is original, a repair or later addition etc.

Diagram	
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="authenticity" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Whether this element is original, a repair or later addition etc.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

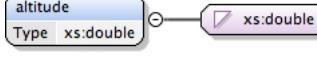
Element processing

Namespace	http://www.tridas.org/1.2
Annotations	Processing (carved, sawn etc.) rafting marks etc.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="processing" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Processing (carved, sawn etc.) rafting marks etc.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element marks

Namespace	http://www.tridas.org/1.2
Annotations	Carpenter marks, inscriptions etc
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="marks" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Carpenter marks, inscriptions etc</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element altitude

Namespace	http://www.tridas.org/1.2
Annotations	Altitude in metres if this element is a standing tree in situ.
Diagram	
Type	xs:double
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="altitude" type="xs:double"></pre>

	<pre> <xs:annotation> <xs:documentation xml:lang="EN">Altitude in metres if this element is a standing tree in situ.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element slope

Namespace	http://www.tridas.org/1.2
Annotations	Only relevant if this element is a standing tree. Contains details about the slope this tree was growing on.
Diagram	<pre> classDiagram class slope { angle azimuth } angle "1..1" -- "0..1" slope azimuth "1..1" -- "0..1" slope class angle { xs:integer } class azimuth { xs:integer } </pre>
Properties	content: complex
Used by	Element element
Model	angle{0,1} , azimuth{0,1}
Children	angle, azimuth
Instance	<pre> <slope> <angle>{0,1}</angle> <azimuth>{0,1}</azimuth> </slope> </pre>
Source	<pre> <xs:element name="slope"> <xs:annotation> <xs:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details about the slope this tree was growing on.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="angle" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle of slope from horizontal in degrees</xs:documentation> </xs:annotation> </xs:element> <xs:element name="azimuth" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle in degrees from north along which the slope lies</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element slope/angle

Namespace	http://www.tridas.org/1.2
Annotations	Angle of slope from horizontal in degrees
Diagram	<pre> classDiagram class angle { xs:integer } angle "1..1" -- "0..1" xs:integer class xs:integer { checked } </pre>
Type	xs:integer
Properties	content: simple minOccurs: 0
Source	<pre> <xs:element name="angle" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle of slope from horizontal in degrees</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element slope/azimuth

Namespace	http://www.tridas.org/1.2
Annotations	Angle in degrees from north along which the slope lies
Diagram	<pre> azimuth Type xs:integer </pre>
Type	xs:integer
Properties	content: simple minOccurs: 0
Source	<pre> <xs:element name="azimuth" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle in degrees from north along which the slope lies</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element soil

Namespace	http://www.tridas.org/1.2
Annotations	Only relevant if this element is a standing tree. Contains details of the soil the tree was growing in.
Diagram	<pre> soil +-- description +-- depth </pre>
Properties	content: complex
Used by	Element element
Model	description{0,1} , depth{0,1}
Children	depth, description
Instance	<pre> <soil> <description>{0,1}</description> <depth>{0,1}</depth> </soil> </pre>
Source	<pre> <xs:element name="soil"> <xs:annotation> <xs:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details of the soil the tree was growing in.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="description" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">General description of the soil type</xs:documentation> </xs:annotation> </xs:element> <xs:element name="depth" type="xs:double" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Depth of soil in centimetres</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element soil/description

Namespace	http://www.tridas.org/1.2
Annotations	General description of the soil type
Diagram	<pre> description Type xs:string </pre>

Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 0</p>
Source	<pre><xs:element name="description" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">General description of the soil type</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element soil/depth

Namespace	http://www.tridas.org/1.2
Annotations	Depth of soil in centimetres
Diagram	<pre>graph LR; depth[depth] --> xsdouble[xs:double]</pre>
Type	xs:double
Properties	<p>content: simple</p> <p>minOccurs: 0</p>
Source	<pre><xs:element name="depth" type="xs:double" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Depth of soil in centimetres</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element bedrock

Namespace	http://www.tridas.org/1.2
Annotations	Only relevant if this element is a standing tree. Contains details of the bedrock below where the tree was growing.
Diagram	<pre>graph LR; bedrock1[bedrock] --> sequence1[sequence]; sequence1 --> description1[description]; description1 --> bedrock2[bedrock]</pre>
Properties	content: complex
Used by	Element element
Model	description{0,1}
Children	description
Instance	<pre><bedrock> <description>{0,1}</description> </bedrock></pre>
Source	<pre><xs:element name="bedrock"> <xs:annotation> <xs:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details of the bedrock below where the tree was growing.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="description" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">General description of the underlying bedrock</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element bedrock/description

Namespace	http://www.tridas.org/1.2
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Annotations	General description of the underlying bedrock
Diagram	<pre> graph TD description[description] --> type["Type xs:string"] </pre>
Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 0</p>
Source	<pre> <xs:element name="description" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">General description of the underlying bedrock</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element sample

Namespace	http://www.tridas.org/1.2
Annotations	A sample is a physical specimen or non-physical representation of an element. Examples include: core from a living tree; core from a rafter in a church roof; piece of charcoal from an archaeological trench; slice from a pile used in a pile foundation; wax imprint of the outer end of a plank; photo of a back plate of a string instrument. Note that a sample always exists and that it can either be physical (e.g. a core) or representative (e.g. a picture). A sample is taken from exactly one element and can be represented by one or more radii.
Diagram	<pre> classDiagram class tridasEntity { title identifier createdTimestamp lastModifiedTimestamp comments } class sample { type description file samplingDate position state knots genericField radius radiusPlaceholder } tridasEntity < -- sample </pre>
Type	extension of tridasEntity
Type hierarchy	• tridasEntity

Properties	content: complex
Used by	Element element
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type , description{0,1} , file* , samplingDate{0,1} , position{0,1} , state{0,1} , knots{0,1} , genericField* , (radius* radiusPlaceholder{0,1})
Children	comments, createdTimestamp, description, file, genericField, identifier, knots, lastModifiedTimestamp, position, radius, radiusPlaceholder, samplingDate, state, title, type
Instance	<pre><sample> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </sample></pre>
Source	<pre><xs:element name="sample"> <xs:annotation> <xs:documentation xml:lang="EN">A sample is a physical specimen or non-physical representation of an element. Examples include: core from a living tree; core from a rafter in a church roof; piece of charcoal from an archaeological trench; slice from a pile used in a pile foundation; wax imprint of the outer end of a plank; photo of a back plate of a string instrument. Note that a sample always exists and that it can either be physical (e.g. a core) or representative (e.g. a picture). A sample is taken from exactly one element and can be represented by one or more radii.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type"/> <xs:element ref="description" minOccurs="0" /> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded" /> <xs:element ref="samplingDate" minOccurs="0" /> <xs:element ref="position" minOccurs="0" /> <xs:element ref="state" minOccurs="0" /> <xs:element ref="knots" minOccurs="0" /> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded" /> <xs:choice> <xs:element ref="radius" minOccurs="0" maxOccurs="unbounded" /> <xs:element ref="radiusPlaceholder" minOccurs="0" /> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element samplingDate

Namespace	http://www.tridas.org/1.2										
Annotations	Date the sample was taken										
Diagram	<pre> classDiagram class samplingDate { date @certainty } date { certainty } samplingDate "0..1" -- "0..1" samplingDate : date date "*" -- "0..1" certainty : @certainty </pre>										
Type	date										
Properties	content: complex										
Used by	Element sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="samplingDate" type="date"> <xs:annotation> <xs:documentation xml:lang="EN">Date the sample was taken</xs:documentation></pre>										

	</xs:annotation> </xs:element>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element position

Namespace	http://www.tridas.org/1.2
Annotations	Description of the position in the element where this sample was taken from
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<pre><xs:element name="position" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Description of the position in the element where this sample was taken from</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element state

Namespace	http://www.tridas.org/1.2
Annotations	State of the material (dry/wet/conserved/burned, woodworm, rot, cracks) things that indicate the quality of the measurements.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<pre><xs:element name="state" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">State of the material (dry/wet/conserved/burned, woodworm, rot, cracks) things that indicate the quality of the measurements.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element knots

Namespace	http://www.tridas.org/1.2
Annotations	Are knots present in the sample?
Diagram	
Type	xs:boolean
Properties	content: simple
Used by	Element sample
Source	<pre><xs:element name="knots" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="EN">Are knots present in the sample?</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

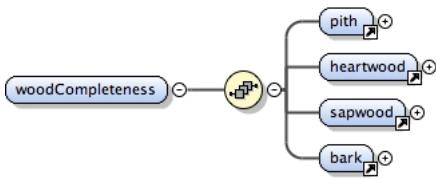
Element radius

Namespace	http://www.tridas.org/1.2
Annotations	A radius is a line from pith to bark along which the measurements are taken.

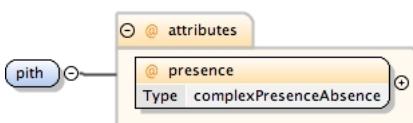
	A radius is derived from exactly one sample. It can be measured more than once resulting in multiple measurementSeries.
Diagram	<pre> classDiagram class tridasEntity { title : xs:string identifier : extension of xs:string createdTimestamp : dateTime lastModifiedTimestamp : dateTime comments : xs:string } class radius { <-- extends tridasEntity woodCompleteness azimuth : xs:decimal genericField : extension of xs:string measurementSeries : restriction of baseSeries } </pre>
Type	extension of tridasEntity
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity
Properties	content: complex
Used by	Element sample
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , woodCompleteness{0,1} , azimuth{0,1} , genericField* , measurementSeries*
Children	azimuth, comments, createdTimestamp, genericField, identifier, lastModifiedTimestamp, measurementSeries, title, woodCompleteness
Instance	<pre> <radius> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </radius> </pre>
Source	<pre> <xss:element name="radius"> <xss:annotation> <xss:documentation xml:lang="EN">A radius is a line from pith to bark along which the measurements are taken. A radius is derived from exactly one sample. It can be measured more than once resulting in multiple measurementSeries.</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="tridasEntity"> <xss:sequence> <xss:element ref="woodCompleteness" minOccurs="0" maxOccurs="1"/> <xss:element ref="azimuth" minOccurs="0"/> <xss:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xss:element ref="measurementSeries" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> </xss:extension> </xss:complexContent> </xss:complexType> </xss:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element woodCompleteness

Namespace	http://www.tridas.org/1.2
Annotations	Details of the pith, heartwood, sapwood and last ring under the bark. This is included under the radius or

	measurementSeries entities. If present in both, the measurementSeries details supercede those of the radius.
Diagram	
Properties	content: complex
Used by	Element radius Complex Type baseSeries
Model	pith , heartwood , sapwood , bark
Children	bark, heartwood, pith, sapwood
Instance	<pre><woodCompleteness> <pith presence="">{1,1}</pith> <heartwood presence="">{1,1}</heartwood> <sapwood presence="">{1,1}</sapwood> <bark presence="">{1,1}</bark> </woodCompleteness></pre>
Source	<pre><x:element name="woodCompleteness"> <x:annotation> <x:documentation xml:lang="EN">Details of the pith, heartwood, sapwood and last ring under the bark. This is included under the radius or measurementSeries entities. If present in both, the measurementSeries details supercede those of the radius.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="pith"/> <x:element ref="heartwood"/> <x:element ref="sapwood"/> <x:element ref="bark"/> </x:sequence> </x:complexType> </x:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element pith

Namespace	http://www.tridas.org/1.2														
Annotations	Whether the pith is present or absent														
Diagram															
Properties	content: complex														
Used by	Element woodCompleteness														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>complexPresenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	presence	complexPresenceAbsence			required
QName	Type	Fixed	Default	Use											
presence	complexPresenceAbsence			required											
Source	<pre><x:element name="pith"> <x:annotation> <x:documentation xml:lang="EN">Whether the pith is present or absent</x:documentation> </x:annotation> <x:complexType> <x:attribute name="presence" use="required" type="complexPresenceAbsence"/> </x:complexType> </x:element></pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Element heartwood

Namespace	http://www.tridas.org/1.2
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Annotations	Whether the heartwood is present or absent										
Diagram	<pre> classDiagram class heartwood class presence { <<@ presence Type complexPresenceAbsence>> } class missingHeartwoodRingsToPith { <<@ missingHeartwoodRingsToPith Type xs:string>> } class missingHeartwoodRingsToPithFoundation { <<@ missingHeartwoodRingsToPithFoundation Type xs:string>> } heartwood "1" -- "1" presence presence "1" -- "1" missingHeartwoodRingsToPith presence "1" -- "1" missingHeartwoodRingsToPithFoundation </pre>										
Properties	content: complex										
Used by	Element woodCompleteness										
Model	missingHeartwoodRingsToPith{0,1}, missingHeartwoodRingsToPithFoundation{0,1}										
Children	missingHeartwoodRingsToPith, missingHeartwoodRingsToPithFoundation										
Instance	<heartwood presence=""> <missingHeartwoodRingsToPith>{0,1}</missingHeartwoodRingsToPith> <missingHeartwoodRingsToPithFoundation>{0,1}</missingHeartwoodRingsToPithFoundation> </heartwood>										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>complexPresenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	complexPresenceAbsence			required
QName	Type	Fixed	Default	Use							
presence	complexPresenceAbsence			required							
Source	<pre> <x:element name="heartwood"> <x:annotation> <x:documentation xml:lang="EN">Whether the heartwood is present or absent</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="missingHeartwoodRingsToPith" minOccurs="0" /> <x:element ref="missingHeartwoodRingsToPithFoundation" minOccurs="0" /> </x:sequence> <x:attribute name="presence" use="required" type="complexPresenceAbsence" /> </x:complexType> </x:element> </pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element missingHeartwoodRingsToPith

Namespace	http://www.tridas.org/1.2
Annotations	Estimated number of missing heartwood rings to the pith
Diagram	<pre> classDiagram class missingHeartwoodRingsToPith { <<@ missingHeartwoodRingsToPith Type xs:string>> } class xsstring { <<@ xs:string>> } missingHeartwoodRingsToPith "1" -- "1" xsstring </pre>
Type	xs:string
Properties	content: simple
Used by	Element heartwood
Source	<pre> <x:element name="missingHeartwoodRingsToPith" type="xs:string"> <x:annotation> <x:documentation xml:lang="EN">Estimated number of missing heartwood rings to the pith</x:documentation> </x:annotation> </x:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element missingHeartwoodRingsToPithFoundation

Namespace	http://www.tridas.org/1.2
Annotations	Description of the way the estimation of how many heartwood rings are missing was made and what the certainty is.
Diagram	<pre> classDiagram class missingHeartwoodRingsToPithFoundation { <<@ missingHeartwoodRingsToPithFoundation Type xs:string>> } class xsstring { <<@ xs:string>> } missingHeartwoodRingsToPithFoundation "1" -- "1" xsstring </pre>
Type	xs:string

Properties	content: simple
Used by	Element heartwood
Source	<pre><xs:element name="missingHeartwoodRingsToPithFoundation" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Description of the way the estimation of how many heartwood rings are missing was made and what the certainty is.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element sapwood

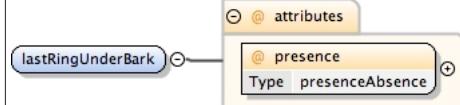
Namespace	http://www.tridas.org/1.2															
Annotations	Details about the sapwood															
Diagram	<pre> classDiagram class sapwood { @presence Type complexPresenceAbsence nrOfSapwoodRings Type xs:string lastRingUnderBark Type xs:string missingSapwoodRingsToBark Type xs:string missingSapwoodRingsToBarkFoundation Type xs:string } </pre>															
Properties	content: complex															
Used by	Element woodCompleteness															
Model	nrOfSapwoodRings{0,1} , lastRingUnderBark{0,1} , missingSapwoodRingsToBark{0,1} , missingSapwoodRingsToBarkFoundation{0,1}															
Children	lastRingUnderBark, missingSapwoodRingsToBark, missingSapwoodRingsToBarkFoundation, nrOfSapwoodRings															
Instance	<pre> <sapwood presence=""> <nrOfSapwoodRings>{0,1}</nrOfSapwoodRings> <lastRingUnderBark presence="">{0,1}</lastRingUnderBark> <missingSapwoodRingsToBark>{0,1}</missingSapwoodRingsToBark> <missingSapwoodRingsToBarkFoundation>{0,1}</missingSapwoodRingsToBarkFoundation> </sapwood> </pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>complexPresenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Whether the sapwood is present or not</td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	complexPresenceAbsence			required				Whether the sapwood is present or not	
QName	Type	Fixed	Default	Use												
presence	complexPresenceAbsence			required												
			Whether the sapwood is present or not													
Source	<pre><xs:element name="sapwood"> <xs:annotation> <xs:documentation xml:lang="EN">Details about the sapwood</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="nrOfSapwoodRings" minOccurs="0"/> <xs:element ref="lastRingUnderBark" minOccurs="0"/> <xs:element ref="missingSapwoodRingsToBark" minOccurs="0"/> <xs:element ref="missingSapwoodRingsToBarkFoundation" minOccurs="0"/> </xs:sequence> <xs:attribute name="presence" use="required" type="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Whether the sapwood is present or not</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element></pre>															
Schema location	http://www.tridas.org/1.2/tridas.xsd															

Element nrOfSapwoodRings

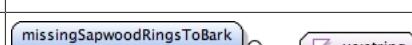
Namespace	http://www.tridas.org/1.2
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Annotations	Number of sapwood rings measured
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<pre><xs:element name="nrOfSapwoodRings" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Number of sapwood rings measured</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element lastRingUnderBark

Namespace	http://www.tridas.org/1.2														
Annotations	Information about the last rings under the bark. If the last ring is under the bark is present, include information about the completeness of this ring and/or season of felling.														
Diagram															
Properties	<p>content: complex</p> <p>mixed: true</p>														
Used by	Element sapwood														
Model															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>presenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	presence	presenceAbsence			required
QName	Type	Fixed	Default	Use											
presence	presenceAbsence			required											
Source	<pre><xs:element name="lastRingUnderBark"> <xs:annotation> <xs:documentation xml:lang="EN">Information about the last rings under the bark. If the last ring is under the bark is present, include information about the completeness of this ring and/or season of felling.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:attribute name="presence" type="presenceAbsence" use="required"/> </xs:complexType> </xs:element></pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

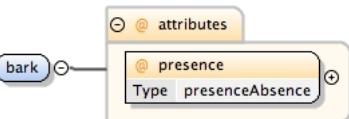
Element missingSapwoodRingsToBark

Namespace	http://www.tridas.org/1.2				
Annotations	Estimated number of missing sapwood rings to the bark				
Diagram					
Type	xs:string				
Properties	content: simple				
Used by	Element sapwood				
Source	<pre><xs:element name="missingSapwoodRingsToBark" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated number of missing sapwood rings to the bark</xs:documentation> </xs:annotation> </xs:element></pre>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element missingSapwoodRingsToBarkFoundation

Namespace	http://www.tridas.org/1.2
Annotations	Description of the way the estimation of how many sapwood rings are missing was made and what the certainty is.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<pre><xs:element name="missingSapwoodRingsToBarkFoundation" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Description of the way the estimation of how many sapwood rings are missing was made and what the certainty is.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element bark

Namespace	http://www.tridas.org/1.2										
Annotations	Bark is present or absent										
Diagram											
Properties	content: complex										
Used by	Element woodCompleteness										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>presenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	presenceAbsence			required
QName	Type	Fixed	Default	Use							
presence	presenceAbsence			required							
Source	<pre><xs:element name="bark"> <xs:annotation> <xs:documentation xml:lang="EN">Bark is present or absent</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="presence" use="required" type="presenceAbsence" /> </xs:complexType> </xs:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

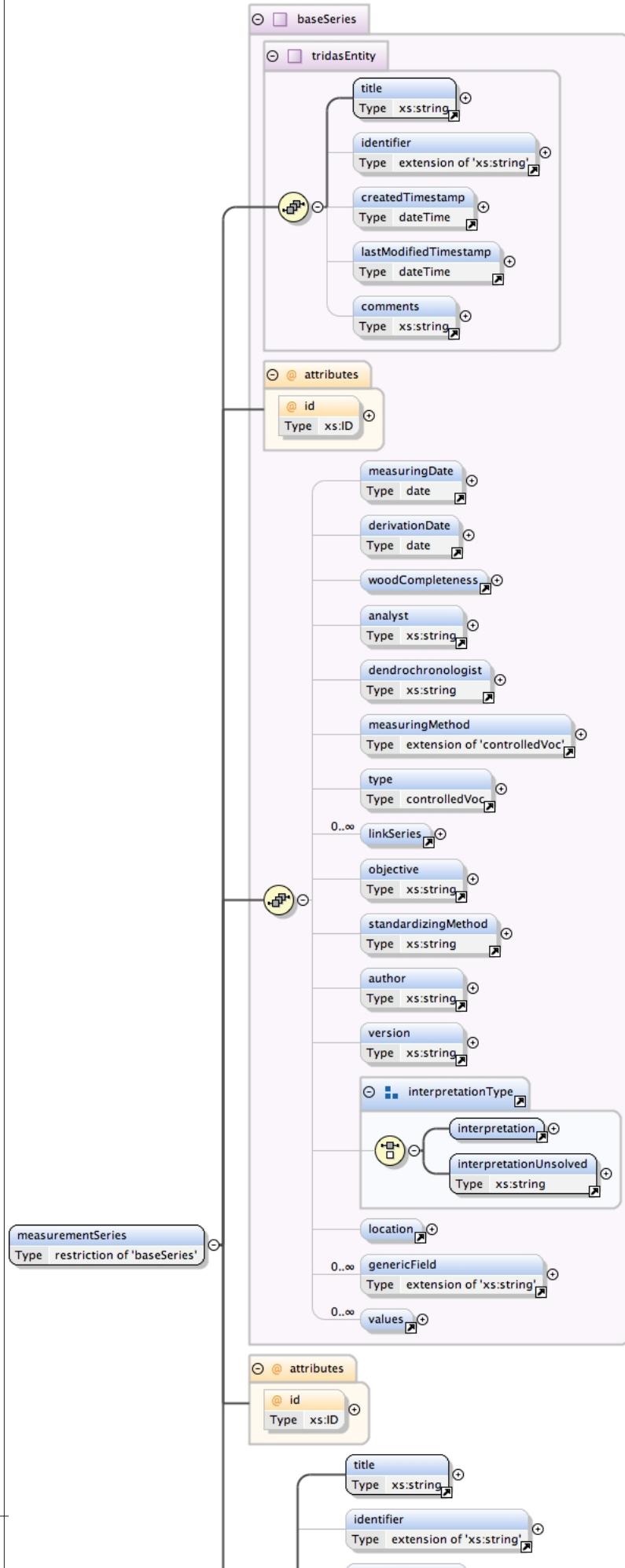
Element azimuth

Namespace	http://www.tridas.org/1.2
Annotations	Angle in degrees from north along which this radius lies.
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element radius
Source	<pre><xs:element name="azimuth" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Angle in degrees from north along which this radius lies.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element measurementSeries

Namespace	http://www.tridas.org/1.2
Annotations	A measurementSeries is a series of direct, raw measurements along a radius. A single measurementSeries can be standardised or a collection of measurementSeries can be combined into a derivedSeries. The measurements themselves are stored separately as values.

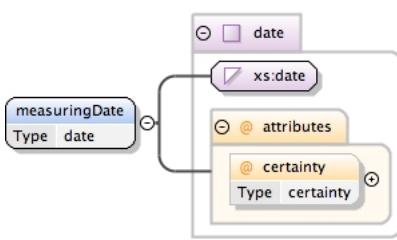
Diagram



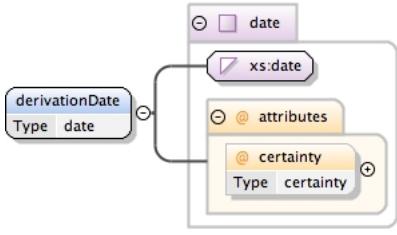
Type	restriction of baseSeries				
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity <ul style="list-style-type: none"> • baseSeries 				
Properties	content: complex				
Used by	Element radius				
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , measuringDate{0,1} , analyst{0,1} , dendrochronologist{0,1} , measuringMethod , (interpretation interpretationUnsolved) , genericField* , values*				
Children	analyst, comments, createdTimestamp, dendrochronologist, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, measuringDate, measuringMethod, title, values				
Instance	<pre><measurementSeries id=""> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> <measuringDate certainty="">{0,1}</measuringDate> <analyst>{0,1}</analyst> <dendrochronologist>{0,1}</dendrochronologist> <measuringMethod normal="" normalId="" normalStd="" normalTridas="">{1,1}</measuringMethod> <genericField name="" type="">{0,unbounded}</genericField> <values>{0,unbounded}</values> </measurementSeries></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:ID			optional
Source	<pre><xss:element name="measurementSeries"> <xss:annotation> <xss:documentation xml:lang="EN">A measurementSeries is a series of direct, raw measurements along a radius. A single measurementSeries can be standardised or a collection of measurementSeries can be combined into a derivedSeries. The measurements themselves are stored separately as values.</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:restriction base="baseSeries"> <xss:sequence> <xss:element ref="title"/> <xss:element ref="identifier" minOccurs="0"/> <xss:element ref="createdTimestamp" minOccurs="0"/> <xss:element ref="lastModifiedTimestamp" minOccurs="0"/> <xss:element ref="comments" minOccurs="0"/> <xss:element ref="measuringDate" minOccurs="0" maxOccurs="1"/> <xss:element ref="analyst" minOccurs="0"/> <xss:element ref="dendrochronologist" minOccurs="0"/> <xss:element ref="measuringMethod" minOccurs="1"/> <!--<xss:element ref="usage" minOccurs="0"/> <xss:element ref="usageComments" minOccurs="0" maxOccurs="unbounded"/><!-- &lt;xss:group ref="interpretationType" minOccurs="0"/&gt; &lt;xss:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/&gt; &lt;xss:element ref="values" minOccurs="0" maxOccurs="unbounded"/&gt; &lt;/xss:sequence&gt; &lt;xss:attribute name="id" type="xs:ID"/&gt; &lt;/xss:restriction&gt; &lt;/xss:complexContent&gt; &lt;/xss:complexType&gt; &lt;/xss:element&gt;</pre> </pre>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element measuringDate

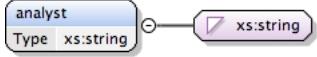
Namespace	http://www.tridas.org/1.2
Annotations	Date that the measurements where made.

Diagram											
Type	date										
Properties	content: complex										
Used by	Complex Type baseSeries Element measurementSeries										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xss:element name="measuringDate" type="date"> <xss:annotation> <xss:documentation>Date that the measurements where made.</xss:documentation> </xss:annotation> </xss:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element derivationDate

Namespace	http://www.tridas.org/1.2										
Annotations	The date that this derivedSeries was created.										
Diagram											
Type	date										
Properties	content: complex										
Used by	Complex Type baseSeries Element derivedSeries										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xss:element name="derivationDate" type="date"> <xss:annotation> <xss:documentation>The date that this derivedSeries was created.</xss:documentation> </xss:annotation> </xss:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element analyst

Namespace	http://www.tridas.org/1.2
Annotations	Name of the analyst that made the series
Diagram	
Type	xs:string
Properties	content: simple
Used by	Complex Type baseSeries

	Element	measurementSeries
Source		<pre><xs:element name="analyst" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the analyst that made the series</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location		http://www.tridas.org/1.2/tridas.xsd

Element dendrochronologist

Namespace	http://www.tridas.org/1.2	
Annotations	Name of the dendrochronologist that oversaw the analyst	
Diagram	<pre> classDiagram class dendrochronologist { <<xs:string>> } dendrochronologist < -- xs:string </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element measurementSeries	
Source	<pre><xs:element name="dendrochronologist" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the dendrochronologist that oversaw the analyst</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element measuringMethod

Namespace	http://www.tridas.org/1.2																					
Annotations	Method that was used to measure this measurementSeries, preferably from the TRiDas controlled vocabulary.																					
Diagram	<pre> classDiagram class controlledVoc { <<xs:string>> } class measuringMethod { <<extension of 'controlledVoc'>> } controlledVoc < -- xs:string controlledVoc < -- measuringMethod controlledVoc < -- attributes controlledVoc < -- normalStd controlledVoc < -- normalId controlledVoc < -- normal controlledVoc < -- attributes controlledVoc < -- normalTridas <<normalTridas>> <<normalTridasMeasuringMethod>> </pre>																					
Type	extension of controlledVoc																					
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																					
Properties	content: complex																					
Used by	Complex Type baseSeries Element measurementSeries																					
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">The normalised name for this entry</td><td></td> </tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>		QName	Type	Fixed	Default	Use	normal				optional		The normalised name for this entry				normalId				optional
QName	Type	Fixed	Default	Use																		
normal				optional																		
	The normalised name for this entry																					
normalId				optional																		

	QName	Type	Fixed	Default	Use
				The ID value in the standard dictionary corresponding to this entry	
	normalStd				optional
				The name of the standard used to control this vocabulary	
	normalTridas	normalTridasMeasuringMethod			optional
				TRiDaS controlled vocabulary for the method of measuring.	
Source	<pre><xs:element name="measuringMethod"> <xs:annotation> <xs:documentation xml:lang="EN">Method that was used to measure this measurementSeries, preferably from the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasMeasuringMethod"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for the method of measuring.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	http://www.tridas.org/1.2/tridas.xsd				

Element objective

Namespace	http://www.tridas.org/1.2	
Annotations	The reason/rationale why this series was made	
Diagram	<pre> classDiagram class objective { Type xs:string } objective --> xs:string </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element derivedSeries	
Source	<pre><xs:element name="objective" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">The reason/rationale why this series was made</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element standardizingMethod

Namespace	http://www.tridas.org/1.2	
Annotations	Numerical method used to standardise the series	
Diagram	<pre> classDiagram class standardizingMethod { Type xs:string } standardizingMethod --> xs:string </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element derivedSeries	
Source	<pre><xs:element name="standardizingMethod" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Numerical method used to standardise the series</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element author

Namespace	http://www.tridas.org/1.2	
Annotations	Name of the person that created this derivedSeries	
Diagram	<pre> graph LR author[author Type xs:string] --> string[xs:string] </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element derivedSeries	
Source	<pre> <xs:element name="author" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the person that created this derivedSeries</ xs:documentation> </xs:annotation> </xs:element> </pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element version

Namespace	http://www.tridas.org/1.2	
Annotations	Version number of this derivedSeries	
Diagram	<pre> graph LR version[version Type xs:string] --> string[xs:string] </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element derivedSeries	
Source	<pre> <xs:element name="version" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Version number of this derivedSeries</ xs:documentation> </xs:annotation> </xs:element> </pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Element interpretation

Namespace	http://www.tridas.org/1.2	
Annotations	Information interpreted from the series	
Diagram	<pre> graph LR interpretation[interpretation] --> firstYear[firstYear Type year] interpretation --> datingReference[datingReference] interpretation --> statFoundation[statFoundation] interpretation --> sproutYear[sproutYear Type year] interpretation --> usedSoftware[usedSoftware Type xs:string] interpretation --> deathYear[deathYear Type year] interpretation --> provenance[provenance Type xs:string] </pre>	
Properties	content: complex	
Used by	Element Group interpretationType	

Model	firstYear{0,1} , datingReference{0,1} , statFoundation* , sproutYear{0,1} , usedSoftware{0,1} , deathYear{0,1} , provenance{0,1}
Children	datingReference, deathYear, firstYear, provenance, sproutYear, statFoundation, usedSoftware
Instance	<pre><interpretation> <firstYear certainty="" suffix="">{0,1}</firstYear> <datingReference>{0,1}</datingReference> <statFoundation>{0,unbounded}</statFoundation> <sproutYear certainty="" suffix="">{0,1}</sproutYear> <usedSoftware>{0,1}</usedSoftware> <deathYear certainty="" suffix="">{0,1}</deathYear> <provenance>{0,1}</provenance> </interpretation></pre>
Source	<pre><xs:element name="interpretation"> <xs:annotation> <xs:documentation xml:lang="EN">Information interpreted from the series</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="firstYear" minOccurs="0"/> <xs:element ref="datingReference" minOccurs="0"/> <xs:element ref="statFoundation" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="sproutYear" minOccurs="0"/> <xs:element ref="usedSoftware" minOccurs="0"/> <xs:element ref="deathYear" minOccurs="0"/> <xs:element ref="provenance" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element firstYear

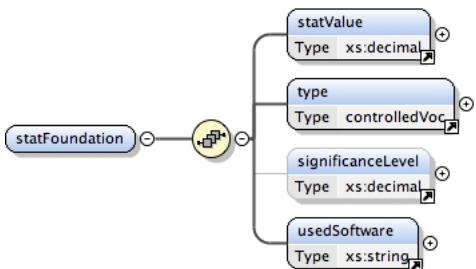
Namespace	http://www.tridas.org/1.2															
Annotations	Year of the first measured ring. This is derived from the chronology that was used to date this series. It is not to be confused with sproutYear.															
Diagram	<pre> classDiagram class firstYear { Type year } class year { <<xs:positiveInteger>> @certainty certainty @suffix datingSuffix } firstYear "3" o-- "1" year </pre>															
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>suffix</td> <td>datingSuffix</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><xs:element name="firstYear" type="year"> <xs:annotation> <xs:documentation xml:lang="EN">Year of the first measured ring. This is derived from the chronology that was used to date this series. It is not to be confused with sproutYear.</xs:documentation> </xs:annotation> </xs:element></pre>															
Schema location	http://www.tridas.org/1.2/tridas.xsd															

Element datingReference

Namespace	http://www.tridas.org/1.2
Annotations	Chronology used to interpret the series

Diagram	
Properties	content: complex
Used by	Element interpretation
Model	linkSeries
Children	linkSeries
Instance	<pre><datingReference> <linkSeries>{1,1}</linkSeries> </datingReference></pre>
Source	<pre><xss:element name="datingReference"> <xss:annotation> <xss:documentation xml:lang="EN">Chronology used to interpret the series</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="linkSeries" /> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element statFoundation

Namespace	http://www.tridas.org/1.2
Annotations	
Diagram	
Properties	content: complex
Used by	Element interpretation
Model	statValue , type , significanceLevel{0,1} , usedSoftware
Children	significanceLevel, statValue, type, usedSoftware
Instance	<pre><statFoundation> <statValue>{1,1}</statValue> <type normal="" normalId="" normalStd="">{1,1}</type> <significanceLevel>{0,1}</significanceLevel> <usedSoftware>{1,1}</usedSoftware> </statFoundation></pre>
Source	<pre><xss:element name="statFoundation"> <xss:annotation> <xss:documentation xml:lang="EN"> </xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="statValue" /> <xss:element ref="type" /> <xss:element ref="significanceLevel" minOccurs="0" /> <xss:element ref="usedSoftware" /> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element statValue

Namespace	http://www.tridas.org/1.2
-----------	-------------------------------------------------------------------

Annotations	Statistical value used to support match with chronology
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre><xs:element name="statValue" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Statistical value used to support match with chronology</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element significanceLevel

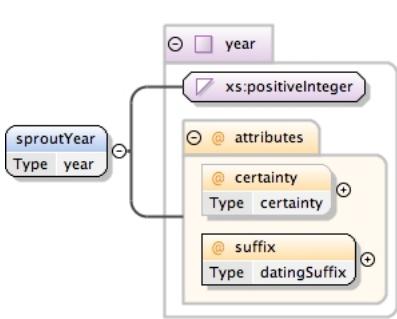
Namespace	http://www.tridas.org/1.2
Annotations	Significance of the statistical match with the chronology
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre><xs:element name="significanceLevel" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Significance of the statistical match with the chronology</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element usedSoftware

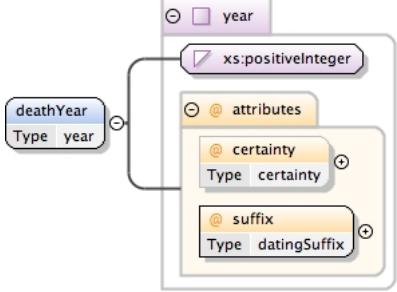
Namespace	http://www.tridas.org/1.2
Annotations	Software used to perform the statistical match with the chronology
Diagram	
Type	xs:string
Properties	content: simple
Used by	Elements interpretation, statFoundation
Source	<pre><xs:element name="usedSoftware" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Software used to perform the statistical match with the chronology</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element sproutYear

Namespace	http://www.tridas.org/1.2
Annotations	Estimated year that the tree sprouted

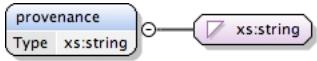
Diagram																
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><x:element name="sproutYear" type="year"> <x:annotation> <x:documentation xml:lang="EN">Estimated year that the tree sprouted</x:documentation> </x:annotation> </x:element></pre>															
Schema location	http://www.tridas.org/1.2/tridas.xsd															

Element deathYear

Namespace	http://www.tridas.org/1.2															
Annotations	Estimated year of death of the tree															
Diagram																
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><x:element name="deathYear" type="year"> <x:annotation> <x:documentation xml:lang="EN">Estimated year of death of the tree</x:documentation> </x:annotation> </x:element></pre>															
Schema location	http://www.tridas.org/1.2/tridas.xsd															

Element provenance

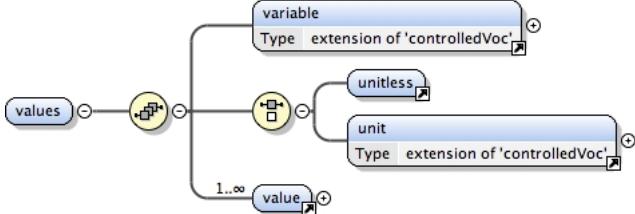
Namespace	http://www.tridas.org/1.2
Annotations	Estimated provenance derived from the matching chronology

Diagram	
Type	xs:string
Properties	content: simple
Used by	Element interpretation
Source	<pre><xs:element name="provenance" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated provenance derived from the matching chronology</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element interpretationUnsolved

Namespace	http://www.tridas.org/1.2
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element Group interpretationType
Source	<pre><xs:element name="interpretationUnsolved" type="xs:string"/></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element values

Namespace	http://www.tridas.org/1.2
Annotations	This is a container for a group of actual measurement values. When appropriate this container includes details on the variable being represented as well as the units used. If the values are unitless, then the special <unitless> field is used.
Diagram	
Properties	content: complex
Used by	Complex Type baseSeries Elements derivedSeries, measurementSeries
Model	variable , (unitless unit) , value+
Children	unit, unitless, value, variable
Instance	<pre><values> <variable normal="" normalId="" normalStd="" normalTridas="">{1,1}</variable> <value count="" index="" value="">{1,unbounded}</value> </values></pre>
Source	<pre><xs:element name="values"> <xs:annotation> <xs:documentation xml:lang="EN">This is a container for a group of actual measurement values. When appropriate this container includes details on the variable being represented as well as the units used. If the values are unitless, then the special <unitless> field is used.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="variable" minOccurs="1" maxOccurs="1"/> <xs:choice></pre>

```

<xs:element ref="unitless" />
<xs:element ref="unit" />
</xs:choice>
<xs:element ref="value" maxOccurs="unbounded" />
</xs:sequence>
</xs:complexType>
</xs:element>

```

Schema location <http://www.tridas.org/1.2/tridas.xsd>

Element variable

Namespace	http://www.tridas.org/1.2																																												
Annotations	Measured variable (ring width, earlywood, latewood etc) preferably taken from the TRiDaS controlled vocabulary																																												
Diagram	<pre> classDiagram class controlledVoc { xs:string @ attributes: normalStd, normalId, normal } class variable { <<extension of 'controlledVoc'>> @ attributes: normalTridas Type: normalTridasVariable } controlledVoc < -- variable </pre>																																												
Type	extension of controlledVoc																																												
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																												
Properties	content: complex																																												
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normalTridas	normalTridasVariable			optional																																									
Source	<pre> <xs:element name="variable"> <xs:annotation> <xs:documentation xml:lang="EN">Measured variable (ring width, earlywood, latewood etc) preferably taken from the TRiDaS controlled vocabulary</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasVariable"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																																												
Schema location	http://www.tridas.org/1.2/tridas.xsd																																												

Element unitless

Namespace	http://www.tridas.org/1.2
Annotations	Presence of this field denotes that the associated values have no units. Not to be used to denote *unknown* units.

Diagram	
Properties	content: complex
Used by	Element values
Source	<pre><xs:element name="unitless"> <xs:annotation> <xs:documentation xml:lang="EN">Presence of this field denotes that the associated values have no units. Not to be used to denote *unknown* units.</xs:documentation> </xs:annotation> <xs:complexType/> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element value

Namespace	http://www.tridas.org/1.2																																							
Diagram	 The diagram shows the structure of the 'value' element. It has three attributes: 'value' (xs:string), 'index' (xs:string), and 'count' (xs:integer). It also contains a sequence of zero or more 'remark' elements, each of which is an extension of 'controlledVoc'. A 'value' node is shown pointing to the 'value' attribute.																																							
Properties	content: complex																																							
Used by	Element values																																							
Model	remark*																																							
Children	remark																																							
Instance	<pre><value count="" index="" value=""> <remark normal="" normalId="" normalStd="" normalTridas="">{0,unbounded}</remark> </value></pre>																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>count</td> <td>xs:integer</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional field to denote how many underlying values went to create this value in a derivedSeries</td></tr> <tr> <td>index</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Alphanumeric code to identify the sequential position of the value, e.g. nr1001, nr1002</td></tr> <tr> <td>value</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	count	xs:integer			optional		Optional field to denote how many underlying values went to create this value in a derivedSeries				index	xs:string			required		Alphanumeric code to identify the sequential position of the value, e.g. nr1001, nr1002				value	xs:string			required		A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.			
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Source	<pre><xs:element name="value"> <xs:complexType> <xs:sequence> <xs:element ref="remark" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> <xs:attribute name="value" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="index" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">Alphanumeric code to identify the sequential position of the value, e.g. nr1001, nr1002</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element></pre>																																							

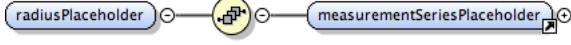
	<pre> </xs:annotation> </xs:attribute> <xs:attribute name="count" type="xs:integer" use="optional"> <xs:annotation> <xs:documentation xml:lang="EN">Optional field to denote how many underlying values went to create this value in a derivedSeries</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element remark

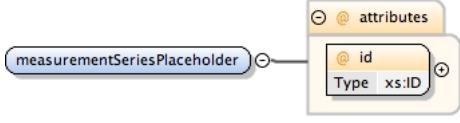
Namespace	http://www.tridas.org/1.2																																													
Annotations	Remark about this value. Remarks can be standardised to consistently record important features like 'frost damage' - preferably using the TRiDaS controlled vocabulary.																																													
Diagram	<pre> classDiagram class controlledVoc { xs:string @normalStd @normalId @normal } class remark { Type extension of 'controlledVoc' @normalTridas Type normalTridasRemark } controlledVoc < -- remark </pre>																																													
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Source	<pre> <xs:element name="remark"> <xs:annotation> <xs:documentation xml:lang="EN">Remark about this value. Remarks can be standardised to consistently record important features like 'frost damage' - preferably using the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasRemark"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for specific remarks.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																																													

	</xs:complexType> </xs:element>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element radiusPlaceholder

Namespace	http://www.tridas.org/1.2
Annotations	This entity is used instead of a standard 'radius' when radius details are not known.
Diagram	
Properties	content: complex
Used by	Element sample
Model	measurementSeriesPlaceholder
Children	measurementSeriesPlaceholder
Instance	<pre><radiusPlaceholder> <measurementSeriesPlaceholder id="">{1,1}</measurementSeriesPlaceholder> </radiusPlaceholder></pre>
Source	<pre><xs:element name="radiusPlaceholder"> <xs:annotation> <xs:documentation xml:lang="EN">This entity is used instead of a standard 'radius' when radius details are not known.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="measurementSeriesPlaceholder"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Element measurementSeriesPlaceholder

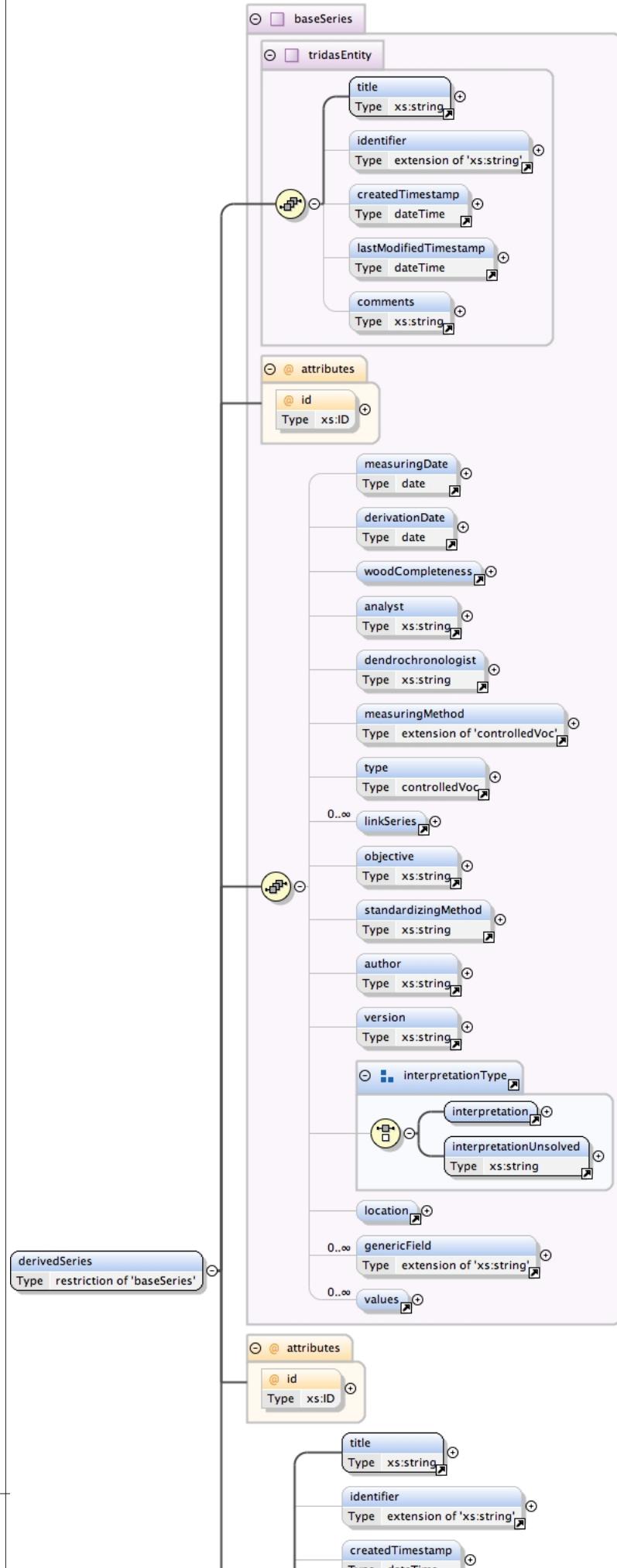
Namespace	http://www.tridas.org/1.2										
Annotations	If no measurementSeries information is known (e.g. if describing a derivedSeries where no measurementSeries data is available) this placeholder is used instead of a standard measurementSeries entity.										
Diagram											
Properties	content: complex										
Used by	Element radiusPlaceholder										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:ID</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	id	xs:ID			required
QName	Type	Fixed	Default	Use							
id	xs:ID			required							
Source	<pre><xs:element name="measurementSeriesPlaceholder"> <xs:annotation> <xs:documentation xml:lang="EN">If no measurementSeries information is known (e.g. if describing a derivedSeries where no measurementSeries data is available) this placeholder is used instead of a standard measurementSeries entity.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="id" type="xs:ID" use="required"/> </xs:complexType> </xs:element></pre>										
Schema location	http://www.tridas.org/1.2/tridas.xsd										

Element derivedSeries

Namespace	http://www.tridas.org/1.2
Annotations	A derivedSeries is a calculated series of values and is a minor modification of the 'v-series' concept proposed by Brewer et al (2009). Examples include: index; average of a collection of measurementSeries such as a chronology. A derivedSeries is derived

| from one or more measurementSeries and has multiple values associated with it. |

Diagram

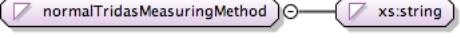


Type	restriction of baseSeries														
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity <ul style="list-style-type: none"> • baseSeries 														
Properties	content: complex														
Used by	Element project														
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , derivationDate{0,1} , type , linkSeries+ , objective{0,1} , standardizingMethod{0,1} , author{0,1} , version{0,1} , (interpretation interpretationUnsolved) , location{0,1} , genericField* , values*														
Children	author, comments, createdTimestamp, derivationDate, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, linkSeries, location, objective, standardizingMethod, title, type, values, version														
Instance	<pre><derivedSeries id=""> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> <derivationDate certainty="">{0,1}</derivationDate> <type normal="" normalId="" normalStd="">{1,1}</type> <linkSeries>{1,unbounded}</linkSeries> <objective>{0,1}</objective> <standardizingMethod>{0,1}</standardizingMethod> <author>{0,1}</author> <version>{0,1}</version> <location>{0,1}</location> <genericField name="" type="">{0,unbounded}</genericField> <values>{0,unbounded}</values> </derivedSeries></pre>														
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:ID</td><td></td><td></td><td>optional</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	id	xs:ID			optional
QName	Type	Fixed	Default	Use											
id	xs:ID			optional											
Source	<pre><xs:element name="derivedSeries"> <xs:annotation> <xs:documentation xml:lang="EN">A derivedSeries is a calculated series of values and is a minor modification of the 'v-series' concept proposed by Brewer et al (2009). Examples include: index; average of a collection of measurementSeries such as a chronology. A derivedSeries is derived from one or more measurementSeries and has multiple values associated with it.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="baseSeries"> <xs:sequence> <xs:element ref="title"/> <xs:element ref="identifier" minOccurs="0"/> <xs:element ref="createdTimestamp" minOccurs="0"/> <xs:element ref="lastModifiedTimestamp" minOccurs="0"/> <xs:element ref="comments" minOccurs="0"/> <xs:element ref="derivationDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="type" minOccurs="1"/> <xs:element ref="linkSeries" minOccurs="1" maxOccurs="unbounded"/> <xs:element ref="objective" minOccurs="0"/> <xs:element ref="standardizingMethod" minOccurs="0"/> <xs:element ref="author" minOccurs="0"/> <xs:element ref="version" minOccurs="0"/> <xs:group ref="interpretationType" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="values" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Simple Types

Simple Type `normalTridasMeasuringMethod`

Namespace	http://www.tridas.org/1.2
-----------	-------------------------------------------------------------------

Annotations	TriDaS specified controlled vocabulary for the method of measurement	
Diagram		
Type	restriction of xs:string	
Facets	enumeration Measuring platform, Hand lens and graticule	
Used by	Attribute measuringMethod/@normalTridas	
Source	<pre><xs:simpleType name="normalTridasMeasuringMethod"> <xs:annotation> <xs:documentation xml:lang="EN">TriDaS specified controlled vocabulary for the method of measurement</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Measuring platform"/> <xs:enumeration value="Hand lens and graticule"/> </xs:restriction> </xs:simpleType></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type normalTridasShape

Namespace	http://www.tridas.org/1.2	
Annotations	TriDaS specified controlled vocabulary element shape adapted from dictionary created by BIAX Consult, Zaandam (NL).	
Diagram		
Type	restriction of xs:string	
Facets	enumeration Whole section, Half section, Third section, Quarter section, Wedge where radius is smaller than circumference, Wedge where radius equals the circumference, Wedge where radius is bigger than the circumference, Beam straightened on one side, Squared beam from whole section, Squared beam from half section, Squared beam from quarter section, Plank cut on one side, Radial plank through pith, Radial plank up to pith, Tangential plank not including pith with breadth larger than a quarter section, Plank not including pith with breadth smaller than a quarter section, Small part of section, Part of undetermined section, Unknown	
Used by	Attribute shape/@normalTridas	
Source	<pre><xs:simpleType name="normalTridasShape"> <xs:annotation> <xs:documentation xml:lang="EN">TriDaS specified controlled vocabulary element shape adapted from dictionary created by BIAX Consult, Zaandam (NL).</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Whole section"/> <xs:enumeration value="Half section"/> <xs:enumeration value="Third section"/> <xs:enumeration value="Quarter section"/> <xs:enumeration value="Wedge where radius is smaller than circumference"/> <xs:enumeration value="Wedge where radius equals the circumference"/> <xs:enumeration value="Wedge where radius is bigger than the circumference"/> <xs:enumeration value="Beam straightened on one side"/> <xs:enumeration value="Squared beam from whole section"/> <xs:enumeration value="Squared beam from half section"/> <xs:enumeration value="Squared beam from quarter section"/> <xs:enumeration value="Plank cut on one side"/> <xs:enumeration value="Radial plank through pith"/> <xs:enumeration value="Radial plank up to pith"/> <xs:enumeration value="Tangential plank not including pith with breadth larger than a quarter section"/> <xs:enumeration value="Plank not including pith with breadth smaller than a quarter section"/> <xs:enumeration value="Small part of section"/> <xs:enumeration value="Part of undetermined section"/> <xs:enumeration value="Unknown"/> </xs:restriction> </xs:simpleType></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type normalTridasLocationType

Namespace	http://www.tridas.org/1.2	
Annotations	TriDaS specified controlled vocabulary for the type of location	
Diagram	<pre> graph LR A[normalTridasLocationType] --> B(xs:string) </pre>	
Type	restriction of xs:string	
Facets	enumeration Growth location, Location of use (static), Location of use (mobile), Current location, Manufacture location	
Used by	Element	locationType
Source	<pre> <xs:simpleType name="normalTridasLocationType"> <xs:annotation> <xs:documentation xml:lang="EN">TriDaS specified controlled vocabulary for the type of location</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Growth location"/> <xs:enumeration value="Location of use (static)"/> <xs:enumeration value="Location of use (mobile)"/> <xs:enumeration value="Current location"/> <xs:enumeration value="Manufacture location"/> </xs:restriction> </xs:simpleType> </pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type normalTridasVariable

Namespace	http://www.tridas.org/1.2	
Annotations	TRiDaS specified controlled vocabulary for the measurementSeries variable	
Diagram	<pre> graph LR A(normalTridasVariable) --> B(xs:string) </pre>	
Type	restriction of xs:string	
Facets	enumeration Ring width, Earlywood width, Latewood width, Ring density, Earlywood density, Latewood density, Maximum density, Latewood percent	
Used by	Attribute	variable/@normalTridas
Source	<pre> <xs:simpleType name="normalTridasVariable"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for the measurementSeries variable</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Ring width"/> <xs:enumeration value="Earlywood width"/> <xs:enumeration value="Latewood width"/> <xs:enumeration value="Ring density"/> <xs:enumeration value="Earlywood density"/> <xs:enumeration value="Latewood density"/> <xs:enumeration value="Maximum density"/> <xs:enumeration value="Latewood percent"/> </xs:restriction> </xs:simpleType> </pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type normalTridasUnit

Namespace	http://www.tridas.org/1.2	
Annotations	TRiDaS specified controlled vocabulary for the units in which data are stored	
Diagram	<pre> graph LR A(normalTridasUnit) --> B(xs:string) </pre>	
Type	restriction of xs:string	
Facets	enumeration micrometres, 1/100th millimetres, 1/10th millimetres, millimetres, centimetres, metres	
Used by	Attribute	unit/@normalTridas

Source	<pre><xs:simpleType name="normalTridasUnit"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for the units in which data are stored</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="micrometres"/> <xs:enumeration value="1/100th millimetres"/> <xs:enumeration value="1/10th millimetres"/> <xs:enumeration value="millimetres"/> <xs:enumeration value="centimetres"/> <xs:enumeration value="metres"/> </xs:restriction> </xs:simpleType></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Simple Type normalTridasRemark

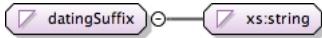
Namespace	http://www.tridas.org/1.2	
Annotations	TRiDaS specified controlled vocabulary for remarks attached to rings	
Diagram	<pre> classDiagram class normalTridasRemark { <<normalTridasRemark>> } xs:string normalTridasRemark < -- xs:string </pre>	
Type	restriction of xs:string	
Facets	<p>enumeration Fire damage, Frost damage, Crack, False ring(s), Compression wood, Tension wood, Traumatic ducts, Unspecified injury</p>	
Used by	<p>Attribute remark/@normalTridas</p>	
Source	<pre><xs:simpleType name="normalTridasRemark"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for remarks attached to rings</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Fire damage"/> <xs:enumeration value="Frost damage"/> <xs:enumeration value="Crack"/> <xs:enumeration value="False ring(s)"/> <xs:enumeration value="Compression wood"/> <xs:enumeration value="Tension wood"/> <xs:enumeration value="Traumatic ducts"/> <xs:enumeration value="Unspecified injury"/> </xs:restriction> </xs:simpleType></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type normalTridasCategory

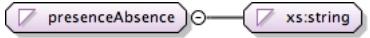
Namespace	http://www.tridas.org/1.2	
Annotations	Enumeration of TRiDaS recognised project categories	
Diagram	<pre> classDiagram class normalTridasCategory { <<normalTridasCategory>> } xs:string normalTridasCategory < -- xs:string </pre>	
Type	restriction of xs:string	
Facets	enumeration	
Used by	<p>Attribute category/@normalTridas</p>	
Source	<pre><xs:simpleType name="normalTridasCategory"> <xs:annotation> <xs:documentation xml:lang="EN">Enumeration of TRiDaS recognised project categories</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value=" "/> </xs:restriction> </xs:simpleType></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Simple Type datingSuffix

Namespace	http://www.tridas.org/1.2
Annotations	Suffix to add to a year number

Diagram	
Type	restriction of xs:string
Facets	enumeration AD, BC, BP
Used by	Attribute year/@suffix
Source	<pre><xs:simpleType name="datingSuffix"> <xs:annotation> <xs:documentation xml:lang="EN">Suffix to add to a year number</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="AD"/> <xs:enumeration value="BC"/> <xs:enumeration value="BP"/> </xs:restriction> </xs:simpleType></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Simple Type presenceAbsence

Namespace	http://www.tridas.org/1.2
Annotations	Simple presence/absence data type
Diagram	
Type	restriction of xs:string
Facets	enumeration present, absent
Used by	Attributes bark/@presence, lastRingUnderBark/@presence
Source	<pre><xs:simpleType name="presenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Simple presence/absence data type</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Simple Type complexPresenceAbsence

Namespace	http://www.tridas.org/1.2
Annotations	Complex presence/absence data type with additional possibilities
Diagram	
Type	restriction of xs:string
Facets	enumeration unknown, not applicable, absent, complete, incomplete
Used by	Attributes heartwood/@presence, pith/@presence, sapwood/@presence
Source	<pre><xs:simpleType name="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Complex presence/absence data type with additional possibilities</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="unknown"/> <xs:enumeration value="not applicable"/> <xs:enumeration value="absent"/> <xs:enumeration value="complete"/> <xs:enumeration value="incomplete"/> </xs:restriction> </xs:simpleType></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

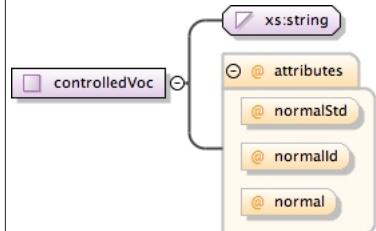
Simple Type certainty

Namespace	http://www.tridas.org/1.2
Annotations	Simple certainty data type

Diagram	
Type	restriction of xs:string
Facets	enumeration unknown, exact, approximately, after, before
Used by	Attributes date/@certainty, dateTime/@certainty, year/@certainty
Source	<pre><xs:simpleType name="certainty"> <xs:annotation> <xs:documentation xml:lang="EN">Simple certainty data type</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="unknown"/> <xs:enumeration value="exact"/> <xs:enumeration value="approximately"/> <xs:enumeration value="after"/> <xs:enumeration value="before"/> </xs:restriction> </xs:simpleType></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Complex Types

Complex Type controlledVoc

Namespace	http://www.tridas.org/1.2																																							
Annotations	A controlled vocabulary is used to limit users to a pick list of values																																							
Diagram																																								
Type	extension of xs:string																																							
Used by	Elements category, measuringMethod, remark, shape, taxon, type, unit, variable																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The normalised name for this entry</td></tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The name of the standard used to control this vocabulary</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary			
QName	Type	Fixed	Default	Use																																				
normal				optional																																				
	The normalised name for this entry																																							
normalId				optional																																				
	The ID value in the standard dictionary corresponding to this entry																																							
normalStd				optional																																				
	The name of the standard used to control this vocabulary																																							
Source	<pre><xs:complexType name="controlledVoc"> <xs:annotation> <xs:documentation xml:lang="EN">A controlled vocabulary is used to limit users to a pick list of values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="normalStd"> <xs:annotation> <xs:documentation xml:lang="EN">The name of the standard used to control this vocabulary</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="normalId"> <xs:annotation> <xs:documentation xml:lang="EN">The ID value in the standard dictionary corresponding to this entry</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="normal"> <xs:annotation> <xs:documentation xml:lang="EN">The normalised name for this entry</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType></pre>																																							

	<pre> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Complex Type dateTime

Namespace	http://www.tridas.org/1.2														
Annotations	An extension to the basic dateTime type which includes an optional 'certainty' attribute.														
Diagram	<pre> classDiagram class xsdateTime { <<xs:dateTime>> } class dateTime { <<dateTime>> } dateTime < -- xsdateTime xsdateTime "1" --> certainty { <<@ certainty>> Type certainty } </pre>														
Type	extension of xs:dateTime														
Used by	Elements createdTimestamp, lastModifiedTimestamp														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use											
certainty	certainty			optional											
Source	<pre> <xs:complexType name="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">An extension to the basic dateTime type which includes an optional 'certainty' attribute.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:dateTime"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Complex Type date

Namespace	http://www.tridas.org/1.2														
Annotations	An extension to the basic date type which includes an optional 'certainty' attribute.														
Diagram	<pre> classDiagram class xsdate { <<xs:date>> } class date { <<date>> } date < -- xsdate xsdate "1" --> certainty { <<@ certainty>> Type certainty } </pre>														
Type	extension of xs:date														
Used by	Elements derivationDate, measuringDate, requestDate, samplingDate														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use											
certainty	certainty			optional											
Source	<pre> <xs:complexType name="date"> <xs:annotation> <xs:documentation xml:lang="EN">An extension to the basic date type which includes an optional 'certainty' attribute.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>														
Schema location	http://www.tridas.org/1.2/tridas.xsd														

Complex Type year

Namespace	http://www.tridas.org/1.2
-----------	-------------------------------------------------------------------

Annotations	Data type for storing year. Includes a separate suffix attribute and optional certainty value															
Diagram	A UML class diagram fragment showing the xs:positiveInteger type. It consists of a rounded rectangle labeled "xs:positiveInteger" with a small "x" icon in the top-left corner. A line connects this to a rounded rectangle labeled "year" with a small "x" icon. From "year", a line leads to a rounded rectangle labeled "attributes" with a minus sign icon. Inside "attributes" are two entries: "@ certainty" with "Type certainty" and "@ suffix" with "Type datingSuffix".															
Type	extension of xs:positiveInteger															
Used by	Elements deathYear, firstYear, sproutYear															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><xs:complexType name="year"> <xs:annotation> <xs:documentation xml:lang="EN">Data type for storing year. Includes a separate suffix attribute and optional certainty value</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:positiveInteger"> <xs:attribute name="certainty" type="certainty" use="optional"/> <xs:attribute name="suffix" use="required" type="datingSuffix"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>															
Schema location	http://www.tridas.org/1.2/tridas.xsd															

Complex Type tridasEntity

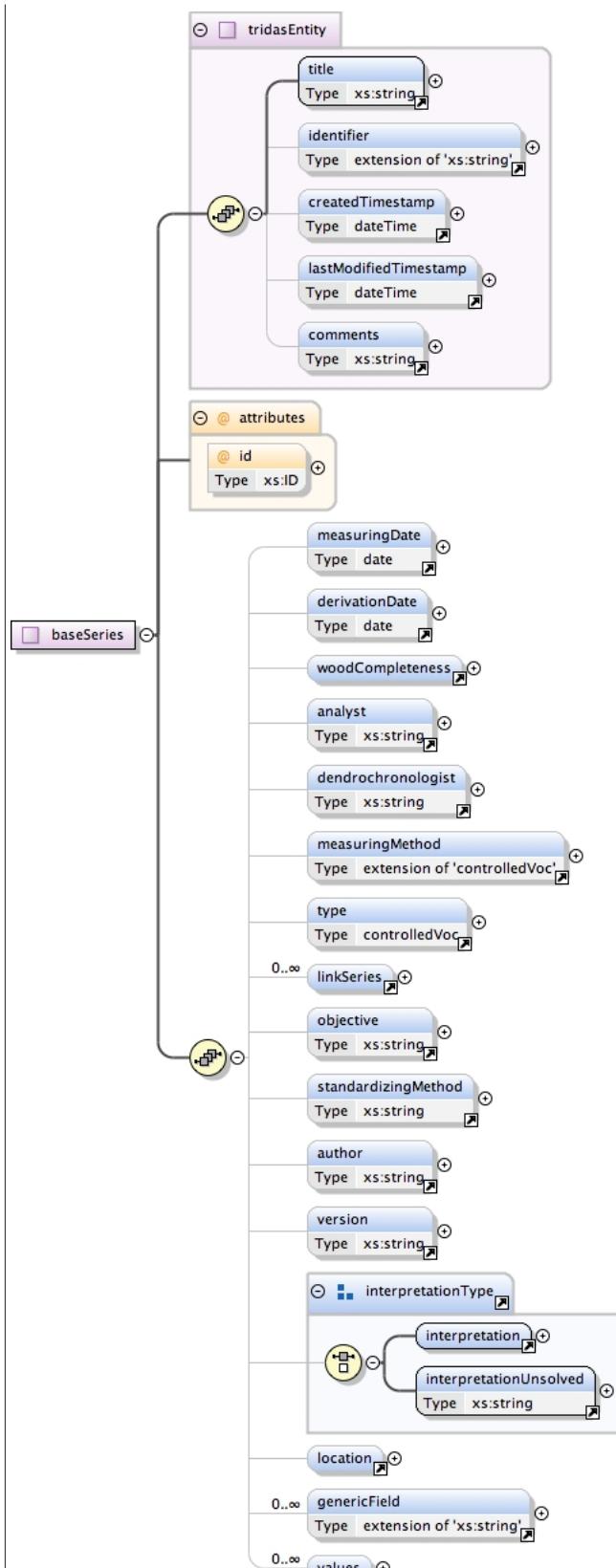
Namespace	http://www.tridas.org/1.2
Annotations	Base data type inherited by all TRiDaS entities. Contains the fields common to all TRiDaS data entities.
Diagram	A UML class diagram fragment showing the tridasEntity type. It consists of a rounded rectangle labeled "tridasEntity" with a small "x" icon. A line connects this to a sequence of five rounded rectangles: "title" (Type xs:string), "identifier" (Type extension of 'xs:string'), "createdTimestamp" (Type dateTime), "lastModifiedTimestamp" (Type dateTime), and "comments" (Type xs:string). Each has a plus sign icon in the top-right corner.
Properties	abstract: true
Used by	Elements element, object, project, radius, sample Complex Type baseSeries
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1}
Children	comments, createdTimestamp, identifier, lastModifiedTimestamp, title
Source	<pre><xs:complexType name="tridasEntity" abstract="true"> <xs:annotation> <xs:documentation xml:lang="EN">Base data type inherited by all TRiDaS entities. Contains the fields common to all TRiDaS data entities.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="title"/> <xs:element ref="identifier" minOccurs="0"/> <xs:element ref="createdTimestamp" minOccurs="0"/> <xs:element ref="lastModifiedTimestamp" minOccurs="0"/> <xs:element ref="comments" minOccurs="0" maxOccurs="1"/> </xs:sequence></pre>

	</xs:complexType>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Complex Type baseSeries

Namespace	http://www.tridas.org/1.2
Annotations	A base type inherited by measurementSeries and derivedSeries.

Diagram



Type	extension of <code>tridasEntity</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>tridasEntity</code> • <code>baseSeries</code>
Properties	abstract: true

Used by	Elements	derivedSeries, measurementSeries										
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , measuringDate{0,1} , derivationDate{0,1} , woodCompleteness{0,1} , analyst{0,1} , dendrochronologist{0,1} , measuringMethod{0,1} , type{0,1} , linkSeries* , objective{0,1} , standardizingMethod{0,1} , author{0,1} , version{0,1} , (interpretation interpretationUnsolved) , location{0,1} , genericField* , values*											
Children	analyst, author, comments, createdTimestamp, dendrochronologist, derivationDate, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, linkSeries, location, measuringDate, measuringMethod, objective, standardizingMethod, title, type, values, version, woodCompleteness											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:ID</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	id	xs:ID			optional	
QName	Type	Fixed	Default	Use								
id	xs:ID			optional								
Source	<pre><xs:complexType name="baseSeries" abstract="true"> <xs:annotation> <xs:documentation xml:lang="EN">A base type inherited by measurementSeries and derivedSeries.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="measuringDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="derivationDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="woodCompleteness" minOccurs="0" maxOccurs="1"/> <xs:element ref="analyst" minOccurs="0"/> <xs:element ref="dendrochronologist" minOccurs="0"/> <xs:element ref="measuringMethod" minOccurs="0" maxOccurs="1"/> <xs:element ref="type" minOccurs="0" maxOccurs="1"/> <xs:element ref="linkSeries" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="objective" minOccurs="0"/> <xs:element ref="standardizingMethod" minOccurs="0"/> <xs:element ref="author" minOccurs="0"/> <xs:element ref="version" minOccurs="0"/> <xs:group ref="interpretationType" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="values" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:extension> </xs:complexContent> </xs:complexType></pre>											
Schema location	http://www.tridas.org/1.2/tridas.xsd											

Element Groups

Element Group interpretationType

Namespace	http://www.tridas.org/1.2
Diagram	<pre> classDiagram class interpretationType { interpretation interpretationUnsolved } interpretation < -- interpretationType interpretationUnsolved < -- interpretationType interpretation "0..1" *-- "0..1" interpretation interpretation "0..1" *-- "0..1" interpretationUnsolved interpretationUnsolved "0..1" *-- "0..1" interpretation interpretation "0..1" *-- "0..1" interpretationUnsolved interpretation < -- "0..1" Type xs:string interpretationUnsolved < -- "0..1" Type xs:string </pre>
Used by	Complex Type baseSeries Elements derivedSeries, measurementSeries
Model	interpretation interpretationUnsolved
Children	interpretation, interpretationUnsolved
Source	<pre><xs:group name="interpretationType"> <xs:annotation> <xs:documentation xml:lang="EN">Contains either the 'interpretation' of the series or an 'interpretationUnsolved' placeholder</xs:documentation> </xs:annotation> <xs:choice> <xs:element ref="interpretation"/> <xs:element ref="interpretationUnsolved"/> </xs:choice> </xs:group></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Namespace: "http://www.w3.org/1999/xlink"

Schemas

Imported schema `xlinks.xsd`

Namespace	http://www.w3.org/1999/xlink
Annotations	GML 3.0 candidate xlink schema. Copyright (c) 2001 OGC, All Rights Reserved.
Properties	attribute form default: unqualified element form default: unqualified version: 2.0
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attributes

Attribute `@xlink:href`

Namespace	http://www.w3.org/1999/xlink
Type	anyURI
Properties	content: simple
Used by	Elements file, linkSeries/preferredSeries/xLink, linkSeries/xLink Attribute Groups xlink:locatorLink, xlink:simpleLink
Source	<code><attribute name="href" type="anyURI"/></code>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute `@xlink:role`

Namespace	http://www.w3.org/1999/xlink
Type	anyURI
Properties	content: simple
Used by	Attribute Groups xlink:extendedLink, xlink:locatorLink, xlink:resourceLink, xlink:simpleLink
Source	<code><attribute name="role" type="anyURI"/></code>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute `@xlink:arcrole`

Namespace	http://www.w3.org/1999/xlink
Type	anyURI
Properties	content: simple
Used by	Attribute Groups xlink:arcLink, xlink:simpleLink
Source	<code><attribute name="arcrole" type="anyURI"/></code>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute `@xlink:title`

Namespace	http://www.w3.org/1999/xlink
Type	string
Properties	content: simple
Used by	Attribute Groups xlink:arcLink, xlink:extendedLink, xlink:locatorLink, xlink:resourceLink, xlink:simpleLink

Source	<code><attribute name="title" type="string"/></code>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute @xlink:show

Namespace	http://www.w3.org/1999/xlink
Annotations	<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows:</p> <p>new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p>
Type	restriction of string
Properties	content: simple
Facets	enumeration new, replace, embed, other, none
Used by	Attribute Groups <code>xlink:arcLink, xlink:simpleLink</code>
Source	<pre><attribute name="show"> <annotation> <documentation>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="new"/> <enumeration value="replace"/> <enumeration value="embed"/> <enumeration value="other"/> <enumeration value="none"/> </restriction> </simpleType> </attribute></pre>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute @xlink:actuate

Namespace	http://www.w3.org/1999/xlink
Annotations	<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p>
Type	restriction of string
Properties	content: simple
Facets	enumeration onLoad, onRequest, other, none
Used by	Attribute Groups <code>xlink:arcLink, xlink:simpleLink</code>
Source	<pre><attribute name="actuate"> <annotation> <documentation>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting</pre>

	<pre> resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="onLoad"/> <enumeration value="onRequest"/> <enumeration value="other"/> <enumeration value="none"/> </restriction> </simpleType> </attribute></pre>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute @xlink:label

Namespace	http://www.w3.org/1999/xlink
Type	string
Properties	content: simple
Used by	Attribute Groups xlink:locatorLink, xlink:resourceLink
Source	<attribute name="label" type="string"/>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute @xlink:from

Namespace	http://www.w3.org/1999/xlink
Type	string
Properties	content: simple
Used by	Attribute Group xlink:arcLink
Source	<attribute name="from" type="string"/>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute @xlink:to

Namespace	http://www.w3.org/1999/xlink
Type	string
Properties	content: simple
Used by	Attribute Group xlink:arcLink
Source	<attribute name="to" type="string"/>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute xlink:simpleLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink
Type	string
Properties	fixed: simple
Used by	Attribute Group xlink:simpleLink
Source	<attribute name="type" type="string" fixed="simple" form="qualified"/>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute xlink:extendedLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink
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Type	string	
Properties	fixed: extended	
Used by	Attribute Group	xlink:extendedLink
Source	<attribute name="type" type="string" fixed="extended" form="qualified"/>	
Schema location	http://www.tridas.org/1.2/xlinks.xsd	

Attribute xlink:locatorLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	locator
Used by	Attribute Group	xlink:locatorLink
Source	<attribute name="type" type="string" fixed="locator" form="qualified"/>	
Schema location	http://www.tridas.org/1.2/xlinks.xsd	

Attribute xlink:arcLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	arc
Used by	Attribute Group	xlink:arcLink
Source	<attribute name="type" type="string" fixed="arc" form="qualified"/>	
Schema location	http://www.tridas.org/1.2/xlinks.xsd	

Attribute xlink:resourceLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	resource
Used by	Attribute Group	xlink:resourceLink
Source	<attribute name="type" type="string" fixed="resource" form="qualified"/>	
Schema location	http://www.tridas.org/1.2/xlinks.xsd	

Attribute xlink:titleLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	title
Used by	Attribute Group	xlink:titleLink
Source	<attribute name="type" type="string" fixed="title" form="qualified"/>	
Schema location	http://www.tridas.org/1.2/xlinks.xsd	

Attribute xlink:emptyLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	none
Used by	Attribute Group	xlink:emptyLink

Source	<code><attribute name="type" type="string" fixed="none" form="qualified"/></code>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute Groups

Attribute Group xlink:simpleLink

Namespace	http://www.w3.org/1999/xlink																																																						
Diagram	<pre> graph TD simpleLink[simpleLink] --- type["@ type
Type: string
Fixed: simple"] simpleLink --- href["@ xlink:href
Type: anyURI"] simpleLink --- role["@ xlink:role
Type: anyURI"] simpleLink --- arcrole["@ xlink:arcrole
Type: anyURI"] simpleLink --- title["@ xlink:title
Type: string"] simpleLink --- show["@ xlink:show
Type: restriction of 'string'"] simpleLink --- actuate["@ xlink:actuate
Type: restriction of 'string'"] </pre>																																																						
Used by	Attribute Group <code>gml:AssociationAttributeGroup</code>																																																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>xlink:actuate</code></td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> <p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p> </td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> <p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p> </td> </tr> <tr> <td><code>xlink:title</code></td> <td>string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td>string</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	<code>xlink:actuate</code>	restriction of string			optional		<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p>				<code>xlink:arcrole</code>	anyURI			optional	<code>xlink:href</code>	anyURI			optional	<code>xlink:role</code>	anyURI			optional	<code>xlink:show</code>	restriction of string			optional		<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p>				<code>xlink:title</code>	string			optional	<code>xlink:type</code>	string	simple		optional
QName	Type	Fixed	Default	Use																																																			
<code>xlink:actuate</code>	restriction of string			optional																																																			
	<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p>																																																						
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<code>xlink:title</code>	string			optional																																																			
<code>xlink:type</code>	string	simple		optional																																																			
Source	<pre> <attributeGroup name="simpleLink"> <attribute name="type" type="string" fixed="simple" form="qualified"/> <attribute ref="xlink:href" use="optional"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:arcrole" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:show" use="optional"/> <attribute ref="xlink:actuate" use="optional"/> </pre>																																																						

	</attributeGroup>
Schema location	http://www.tridas.org/1.2/xlinks.xsd

Attribute Group xlink:extendedLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class extendedLink { @ type string Fixed extended @ xlink:role anyURI @ xlink:title string } </pre>				
Attributes	QName	Type	Fixed	Default	Use
	xlink:role	anyURI			optional
	xlink:title	string			optional
	xlink:type	string	extended		optional
Source	<pre> <attributeGroup name="extendedLink"> <attribute name="type" type="string" fixed="extended" form="qualified"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:title" use="optional"/> </attributeGroup> </pre>				
Schema location	http://www.tridas.org/1.2/xlinks.xsd				

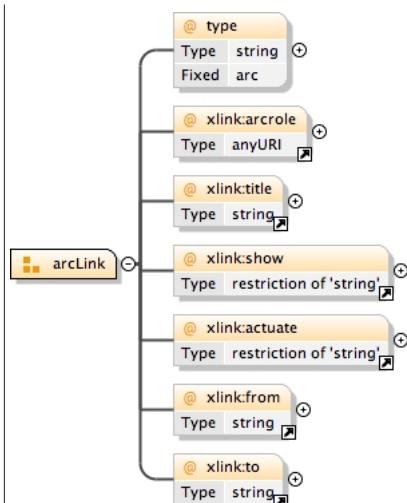
Attribute Group xlink:locatorLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class locatorLink { @ type string Fixed locator @ xlink:href anyURI @ xlink:label string @ xlink:role anyURI @ xlink:title string } </pre>				
Attributes	QName	Type	Fixed	Default	Use
	xlink:href	anyURI			required
	xlink:label	string			optional
	xlink:role	anyURI			optional
	xlink:title	string			optional
	xlink:type	string	locator		optional
Source	<pre> <attributeGroup name="locatorLink"> <attribute name="type" type="string" fixed="locator" form="qualified"/> <attribute ref="xlink:href" use="required"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:label" use="optional"/> </attributeGroup> </pre>				
Schema location	http://www.tridas.org/1.2/xlinks.xsd				

Attribute Group xlink:arcLink

Namespace	http://www.w3.org/1999/xlink
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Diagram



Attributes

	QName	Type	Fixed	Default	Use
	xlink:actuate	restriction of string			optional
	<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p>				
	xlink:arcrole	anyURI			optional
	xlink:from	string			optional
	xlink:show	restriction of string			optional
	<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows:</p> <p>new - load ending resource in a new window, frame, pane, or other presentation context</p> <p>replace - load the resource in the same window, frame, pane, or other presentation context</p> <p>embed - load ending resource in place of the presentation of the starting resource</p> <p>other - behavior is unconstrained; examine other markup in the link for hints</p> <p>none - behavior is unconstrained</p>				
	xlink:title	string			optional
	xlink:to	string			optional
	xlink:type	string	arc		optional
Source	<pre> <attributeGroup name="arcLink"> <attribute name="type" type="string" fixed="arc" form="qualified"/> <attribute ref="xlink:arcrole" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:show" use="optional"/> <attribute ref="xlink:actuate" use="optional"/> <attribute ref="xlink:from" use="optional"/> <attribute ref="xlink:to" use="optional"/> </attributeGroup> </pre>				
Schema location	http://www.tridas.org/1.2/xlinks.xsd				

Attribute Group xlink:resourceLink

Namespace	http://www.w3.org/1999/xlink
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Diagram																										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:label</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>string</td><td>resource</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:label	string			optional	xlink:role	anyURI			optional	xlink:title	string			optional	xlink:type	string	resource		optional
QName	Type	Fixed	Default	Use																						
xlink:label	string			optional																						
xlink:role	anyURI			optional																						
xlink:title	string			optional																						
xlink:type	string	resource		optional																						
Source	<pre><attributeGroup name="resourceLink"> <attribute name="type" type="string" fixed="resource" form="qualified"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:label" use="optional"/> </attributeGroup></pre>																									
Schema location	http://www.tridas.org/1.2/xlinks.xsd																									

Attribute Group xlink:titleLink

Namespace	http://www.w3.org/1999/xlink										
Diagram											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:type</td><td>string</td><td>title</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:type	string	title		optional
QName	Type	Fixed	Default	Use							
xlink:type	string	title		optional							
Source	<pre><attributeGroup name="titleLink"> <attribute name="type" type="string" fixed="title" form="qualified"/> </attributeGroup></pre>										
Schema location	http://www.tridas.org/1.2/xlinks.xsd										

Attribute Group xlink:emptyLink

Namespace	http://www.w3.org/1999/xlink										
Diagram											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:type</td><td>string</td><td>none</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:type	string	none		optional
QName	Type	Fixed	Default	Use							
xlink:type	string	none		optional							
Source	<pre><attributeGroup name="emptyLink"> <attribute name="type" type="string" fixed="none" form="qualified"/> </attributeGroup></pre>										
Schema location	http://www.tridas.org/1.2/xlinks.xsd										

Namespace: "http://www.opengis.net/gml"

Schemas

Imported schema gmlsf.xsd

Namespace	http://www.opengis.net/gml
Annotations	GML 3.1.1 Simplified Features profile Levels 0 and 1. Copyright (c) 2006 Open Geospatial Consortium, Inc. All Rights Reserved.

Properties	attribute form default: unqualified element form default: qualified version: 1.0.0
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Elements

Element `gml:Point`

Namespace	http://www.opengis.net/gml															
Diagram	<pre> classDiagram class gml { class PointType { <<gml:PointType>> <<gml:AbstractGeometricPrimitiveType>> <<gml:AbstractGeometryType>> <<gml:AbstractGMLType>> <<@ attributes>> <<@ gml:id ID>> <<@ srsName anyURI>> <<gml:StandardObjectProperties>> <<gml:description string>> <<0..><<gml:name>>> <<gml:pos>> <<gml:PointType>> } } </pre>															
Type	<code>gml:PointType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>gml:AbstractGeometricPrimitiveType</code> • <code>gml:PointType</code> 															
Properties	content: complex															
Used by	<table> <tr> <td>Element</td> <td><code>locationGeometry</code></td> </tr> <tr> <td>Complex Type</td> <td><code>gml:PointPropertyType</code></td> </tr> </table>	Element	<code>locationGeometry</code>	Complex Type	<code>gml:PointPropertyType</code>											
Element	<code>locationGeometry</code>															
Complex Type	<code>gml:PointPropertyType</code>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:pos</code>															
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:pos</code>															
Instance	<pre> <gml:Point gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Point> </pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the			
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					URI for the document, a fragment separator, and the value of the id attribute.				
	srsName	anyURI			optional				
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.							
Source	<element name="Point" type="gml:PointType" substitutionGroup="gml:_GeometricPrimitive"/>								
Schema location	http://www.tridas.org/1.2/gmlsru.xsd								

Element gml:description

Namespace	http://www.opengis.net/gml	
Annotations	Contains a simple text description of the object. Restricted to only allow a text string, as done in GML 3.2.	
Diagram	<pre> classDiagram class description { string } class string description "1" -- "*" string </pre>	
Type	string	
Properties	content:	simple
Used by	Element Group	gml:StandardObjectProperties
Source	<element name="description" type="string"> <annotation> <documentation>Contains a simple text description of the object.</documentation> <documentation>Restricted to only allow a text string, as done in GML 3.2.</documentation> </annotation> </element>	
Schema location	http://www.tridas.org/1.2/gmlsru.xsd	

Element gml:name

Namespace	http://www.opengis.net/gml											
Annotations	Label for the object, normally a descriptive name. An object may have several names, typically assigned by different authorities. The authority for a name is indicated by the value of its (optional) codeSpace attribute. The name may or may not be unique, as determined by the rules of the organization responsible for the codeSpace.											
Diagram	<pre> classDiagram class name { gml:CodeType } class gml:CodeType { @attributes @codeSpace } name "1" -- "*" gml:CodeType </pre>											
Type	gml:CodeType											
Properties	content:	complex										
Used by	Element Group	gml:StandardObjectProperties										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	codeSpace	anyURI			optional	
QName	Type	Fixed	Default	Use								
codeSpace	anyURI			optional								
Source	<element name="name" type="gml:CodeType"> <annotation>											

	<pre> <documentation>Label for the object, normally a descriptive name. An object may have several names, typically assigned by different authorities. The authority for a name is indicated by the value of its (optional) codeSpace attribute. The name may or may not be unique, as determined by the rules of the organization responsible for the codeSpace.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element **gml:pos**

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class pos { Type gml:DirectPositionType } class doubleList { Type gml:doubleList } pos "0..1" --> "1" doubleList </pre>
Type	gml:DirectPositionType
Type hierarchy	<ul style="list-style-type: none"> anySimpleType <ul style="list-style-type: none"> gml:doubleList gml:DirectPositionType
Properties	content: complex
Used by	Complex Type gml:PointType
Source	<element name="pos" type="gml:DirectPositionType"/>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element **gml:Polygon**

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class Polygon { Type gml:PolygonType } class PolygonType { Type gml:AbstractSurfaceType Type gml:AbstractGeometricPrimitiveType Type gml:AbstractGeometryType @ attributes @ id Type ID @ srsName Type anyURI gml:description Type string gml:name Type gml:CodeType gml:exterior Type gml:AbstractRingPropertyType 0..oo gml:interior Type gml:AbstractRingPropertyType } </pre>
Type	gml:PolygonType

Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractSurfaceType • gml:PolygonType 																									
Properties	content: complex																									
Used by	Element locationGeometry																									
Model	gml:description{0,1} , gml:name* , gml:exterior{0,1} , gml:interior*																									
Children	gml:description, gml:exterior, gml:interior, gml:name																									
Instance	<pre><gml:Polygon gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Polygon></pre>																									
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Source	<code><element name="Polygon" type="gml:PolygonType" substitutionGroup="gml:_Surface" /></code>																									
Schema location	http://www.tridas.org/1.2/gmlsf.xsd																									

Element gml:exterior

Namespace	http://www.opengis.net/gml
Annotations	A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as being the exterior boundary. In a general manifold this is not always possible, in which case all boundaries shall be listed as interior boundaries, and the exterior will be empty.
Diagram	<pre> classDiagram class gml { class AbstractRingPropertyType class LinearRing } class exterior { type gml:AbstractRingPropertyType } exterior "1..1" -- "0..1" gml:LinearRing gml:LinearRing "0..1" -- "1..1" gml:AbstractRingPropertyType </pre>
Type	gml:AbstractRingPropertyType
Properties	content: complex
Used by	Complex Types gml:PolygonPatchType, gml:PolygonType
Model	gml:LinearRing
Children	gml:LinearRing
Instance	<pre><gml:exterior> <gml:LinearRing gml:id="" srsName="">{1,1}</gml:LinearRing> </gml:exterior></pre>
Source	<code><element name="exterior" type="gml:AbstractRingPropertyType"> <annotation></code>

	<pre> <documentation>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as being the exterior boundary. In a general manifold this is not always possible, in which case all boundaries shall be listed as interior boundaries, and the exterior will be empty.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element **gml:LinearRing**

Namespace	http://www.opengis.net/gml																									
Diagram	<pre> classDiagram class LinearRing { <<gml:LinearRingType>> } class gml { class LinearRingType { <<gml:LinearRingType>> <<AbstractGeometryType>> <<AbstractGMLType>> <<StandardObjectProperties>> <<attributes>> <<@id>> ID <<srsName>> anyURI </>> <<description>> <<gml:description>> string <<name>> CodeType </>> <<posList>> <<gml:posList>> DirectPositionListType </>> } } </pre>																									
Type	gml:LinearRingType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:LinearRingType 																									
Properties	content: complex																									
Used by	Complex Type gml:AbstractRingPropertyType																									
Model	gml:description{0,1} , gml:name* , gml:posList																									
Children	gml:description, gml:name, gml:posList																									
Instance	<pre> <gml:LinearRing gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:LinearRing> </pre>																									
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	QName	Type	Fixed	Default	Use
			exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.		
Source		<element name="LinearRing" type="gml:LinearRingType" substitutionGroup="gml:_Geometry"/>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element gml:posList

Namespace	http://www.opengis.net/gml	
Diagram	<pre> classDiagram class posList { <<Type gml:DirectPositionListType>> } class DirectPositionListType { <<gml:DirectPositionListType>> } class doubleList { <<gml:doubleList>> } posList --o DirectPositionListType DirectPositionListType --o doubleList </pre>	
Type	gml:DirectPositionListType	
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionListType 	
Properties	content: complex	
Used by	Complex Types	gml:LineStringSegmentType, gml:LineStringType, gml:LinearRingType
Source	<element name="posList" type="gml:DirectPositionListType"/>	
Schema location	http://www.tridas.org/1.2/gmlsf.xsd	

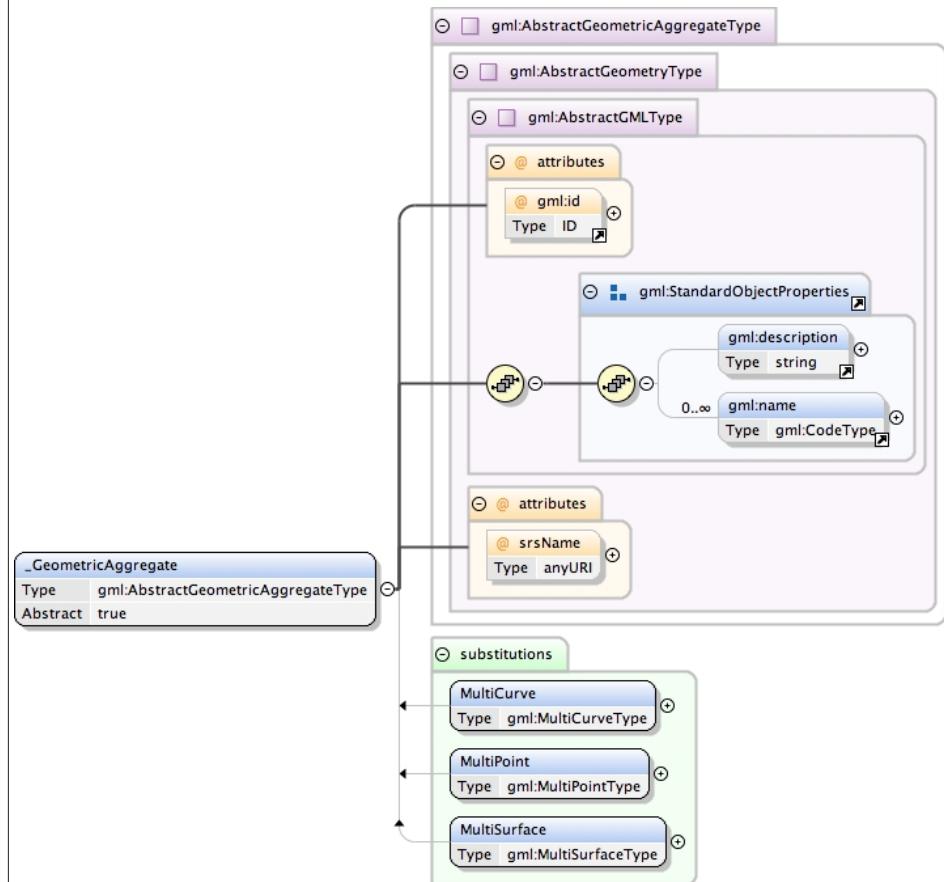
Element gml:interior

Namespace	http://www.opengis.net/gml	
Annotations	A boundary of a surface consists of a number of rings. The "interior" rings separate the surface / surface patch from the area enclosed by the rings.	
Diagram	<pre> classDiagram class interior { <<Type gml:AbstractRingPropertyType>> } class AbstractRingPropertyType { <<gml:AbstractRingPropertyType>> } class LinearRing { <<gml:LinearRing>> } class LinearRingType { <<gml:LinearRingType>> } interior --o AbstractRingPropertyType AbstractRingPropertyType --o LinearRing LinearRing --o LinearRingType </pre>	
Type	gml:AbstractRingPropertyType	
Properties	content: complex	
Used by	Complex Types	gml:PolygonPatchType, gml:PolygonType
Model	gml:LinearRing	
Children	gml:LinearRing	
Instance	<gml:interior> <gml:LinearRing gml:id="" srsName="">{1,1}</gml:LinearRing> </gml:interior>	
Source	<element name="interior" type="gml:AbstractRingPropertyType"> <annotation> <documentation>A boundary of a surface consists of a number of rings. The "interior" rings separate the surface / surface patch from the area enclosed by the rings.</documentation> </annotation> </element>	
Schema location	http://www.tridas.org/1.2/gmlsf.xsd	

Element gml:_GeometricAggregate

Namespace	http://www.opengis.net/gml	
Annotations	The "_GeometricAggregate" element is the abstract head of the substitution group for all geometric aggregates.	

Diagram



Type	gm:AbstractGeometricAggregateType																									
Type hierarchy	<ul style="list-style-type: none"> • gm:AbstractGMLType • gm:AbstractGeometryType • gm:AbstractGeometricAggregateType 																									
Properties	<p>content: complex</p> <p>abstract: true</p>																									
Used by	Complex Type gm:MultiGeometryPropertyType																									
Model	gm:description{0,1}, gm:name*																									
Children	gm:description, gm:name																									
Instance	<pre> <gm:_GeometricAggregate gm:id="" srsName=""> <gm:description>{0,1}</gm:description> <gm:name codeSpace="">{0,unbounded}</gm:name> </gm:_GeometricAggregate> </pre>																									
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srsName	anyURI			optional																						
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	QName	Type	Fixed	Default	Use
				that this attribute will be specified at the direct position level only in rare cases.	
Source		<element name="_GeometricAggregate" type="gml:AbstractGeometricAggregateType" substitutionGroup="gml:_Geometry" abstract="true"> <annotation> <documentation>The "_GeometricAggregate" element is the abstract head of the substitution group for all geometric aggregates.</documentation> </annotation> </element>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element **gml:MultiPoint**

Namespace	http://www.opengis.net/gml															
Diagram	<pre> classDiagram class MultiPoint { <<gml:MultiPointType>> <<gml:AbstractGMLType>> <<gml:AbstractGeometryType>> <<gml:AbstractGeometricAggregateType>> } class StandardObjectProperties { <<gml:StandardObjectProperties>> gml:description gml:name } class MultiPoint { <<gml:MultiPointType>> <<gml:AbstractGMLType>> <<gml:AbstractGeometryType>> <<gml:AbstractGeometricAggregateType>> attributes { gml:id } StandardObjectProperties { gml:description gml:name } attributes { srsName } gml:pointMember } </pre>															
Type	gml:MultiPointType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType • gml:MultiPointType 															
Properties	content: complex															
Used by	Complex Type gml:MultiPointPropertyType															
Model	gml:description{0,1} , gml:name* , gml:pointMember*															
Children	gml:description, gml:name, gml:pointMember															
Instance	<pre> <gml:MultiPoint gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiPoint> </pre>															
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QName	Type	Fixed	Default	Use												
gml:id	ID			optional												
			Data type: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object													

QName	Type	Fixed	Default	Use
		in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
srsName	anyURI			optional
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.		
Source	<element name="MultiPoint" type="gml:MultiPointType" substitutionGroup="gml:_GeometricAggregate"/>			
Schema location	http://www.tridas.org/1.2/gmlsf.xsd			

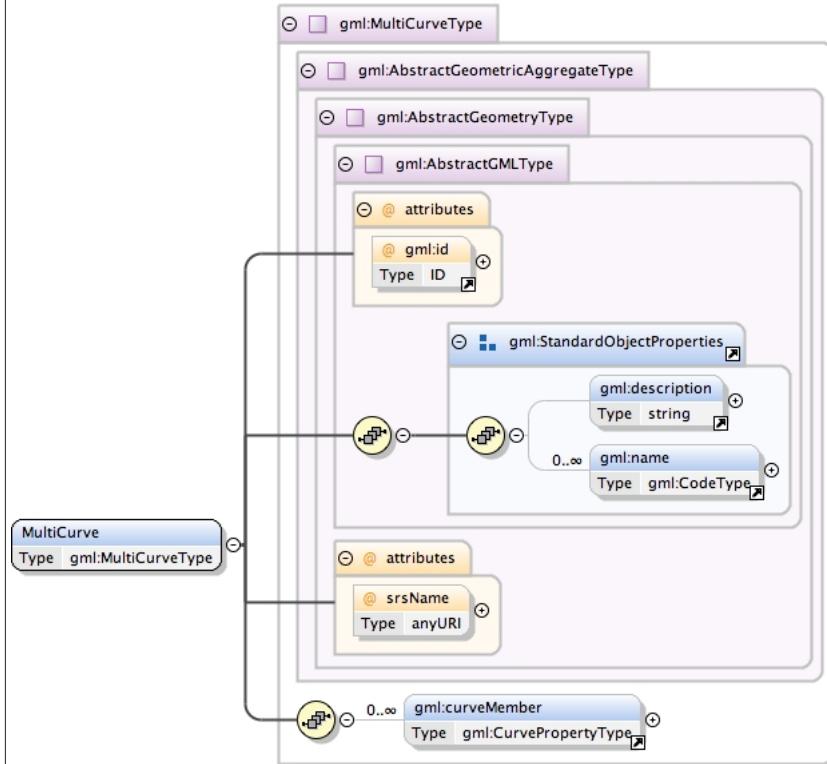
Element gml:pointMember

Namespace	http://www.opengis.net/gml
Annotations	This property element contains the Point element.
Diagram	<pre> classDiagram class pointMember { <<gml:PointPropertyType>> } class Point { <<gml:PointType>> } pointMember "1" -- "1" Point </pre>
Type	gml:PointPropertyType
Properties	content: complex
Used by	Complex Type gml:MultiPointType
Model	gml:Point
Children	gml:Point
Instance	<pre> <gml:pointMember> <gml:Point gml:id="" srsName="">{1,1}</gml:Point> </gml:pointMember> </pre>
Source	<pre> <element name="pointMember" type="gml:PointPropertyType"> <annotation> <documentation>This property element contains the Point element.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gml:MultiCurve

Namespace	http://www.opengis.net/gml
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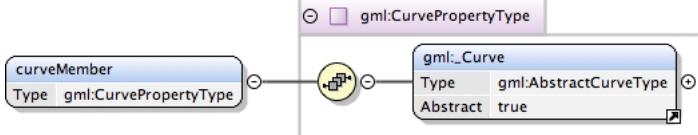
Diagram



Type	gml:MultiCurveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType • gml:MultiCurveType 																									
Properties	content: complex																									
Used by	Complex Type gml:MultiCurvePropertyType																									
Model	gml:description{0,1} , gml:name* , gml:curveMember*																									
Children	gml:curveMember, gml:description, gml:name																									
Instance	<pre> <gml:MultiCurve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiCurve> </pre>																									
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Source	<pre><element name="MultiCurve" type="gml:MultiCurveType" substitutionGroup="gml:_GeometricAggregate"/></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

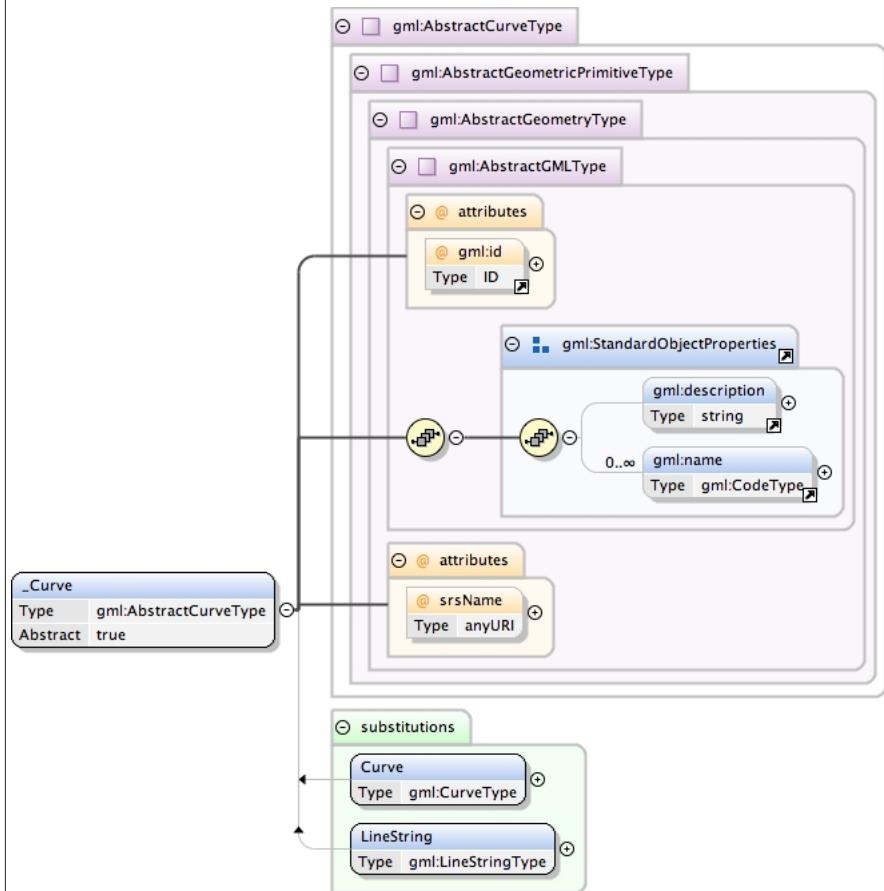
Element gml:curveMember

Namespace	http://www.opengis.net/gml
Annotations	This property element contains the curve element. A curve element is any element which is substitutable for "_Curve".
Diagram	
Type	gml:CurvePropertyType
Properties	content: complex
Used by	Complex Type gml:MultiCurveType
Model	gml:_Curve
Children	gml:_Curve
Instance	<pre><gml:curveMember> <gml:_Curve gml:id="" srsName="">{1,1}</gml:_Curve> </gml:curveMember></pre>
Source	<pre><element name="curveMember" type="gml:CurvePropertyType"> <annotation> <documentation>This property element contains the curve element. A curve element is any element which is substitutable for "_Curve".</documentation> </annotation> </element></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gml:_Curve

Namespace	http://www.opengis.net/gml
Annotations	The "_Curve" element is the abstract head of the substitution group for all (continuous) curve elements.

Diagram



Type	gml:AbstractCurveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:AbstractGeometricPrimitiveType <ul style="list-style-type: none"> • gml:AbstractCurveType 																									
Properties	<p>content: complex</p> <p>abstract: true</p>																									
Used by	Complex Type gml:CurvePropertyType																									
Model	gml:description{0,1}, gml:name*																									
Children	gml:description, gml:name																									
Instance	<pre><gml:_Curve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Curve></pre>																									
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	QName	Type	Fixed	Default	Use
		attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source		<element name="_Curve" type="gml:AbstractCurveType" substitutionGroup="gml:_GeometricPrimitive" abstract="true"> <annotation> <documentation>The "_Curve" element is the abstract head of the substitution group for all (continuous) curve elements.</documentation> </annotation> </element>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element **gml:MultiSurface**

Namespace	http://www.opengis.net/gml										
Diagram	<pre> classDiagram class MultiSurface { <<gml:MultiSurfaceType>> <<Complex Type>> } class StandardObjectProperties { <<gml:StandardObjectProperties>> <<Complex Type>> } class MultiSurfaceType { <<gml:MultiSurfaceType>> <<Complex Type>> <<gml:AbstractGMLType>> <<gml:AbstractGeometryType>> <<gml:AbstractGeometricAggregateType>> <<gml:id attribute="true" type="ID">> <<gml:srsName attribute="true" type="anyURI">> <<gml:description property="string" multiplicity="0..1">> <<gml:name property="gml:CodeType" multiplicity="0..1">> <<gml:surfaceMember property="gml:SurfacePropertyType" multiplicity="0..>> } MultiSurface < -- MultiSurfaceType StandardObjectProperties < -- MultiSurfaceType </pre>										
Type	gml:MultiSurfaceType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:AbstractGeometricAggregateType • gml:MultiSurfaceType 										
Properties	content: complex										
Used by	Complex Type gml:MultiSurfacePropertyType										
Model	gml:description{0,1} , gml:name* , gml:surfaceMember*										
Children	gml:description, gml:name, gml:surfaceMember										
Instance	<pre> <gml:MultiSurface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiSurface> </pre>										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional
QName	Type	Fixed	Default	Use							
gml:id	ID			optional							

	QName	Type	Fixed	Default	Use
		Data type description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		Data type description: In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source	<element name="MultiSurface" type="gml:MultiSurfaceType" substitutionGroup="gml:_GeometricAggregate"/>				
Schema location	http://www.tridas.org/1.2/gmlsf.xsd				

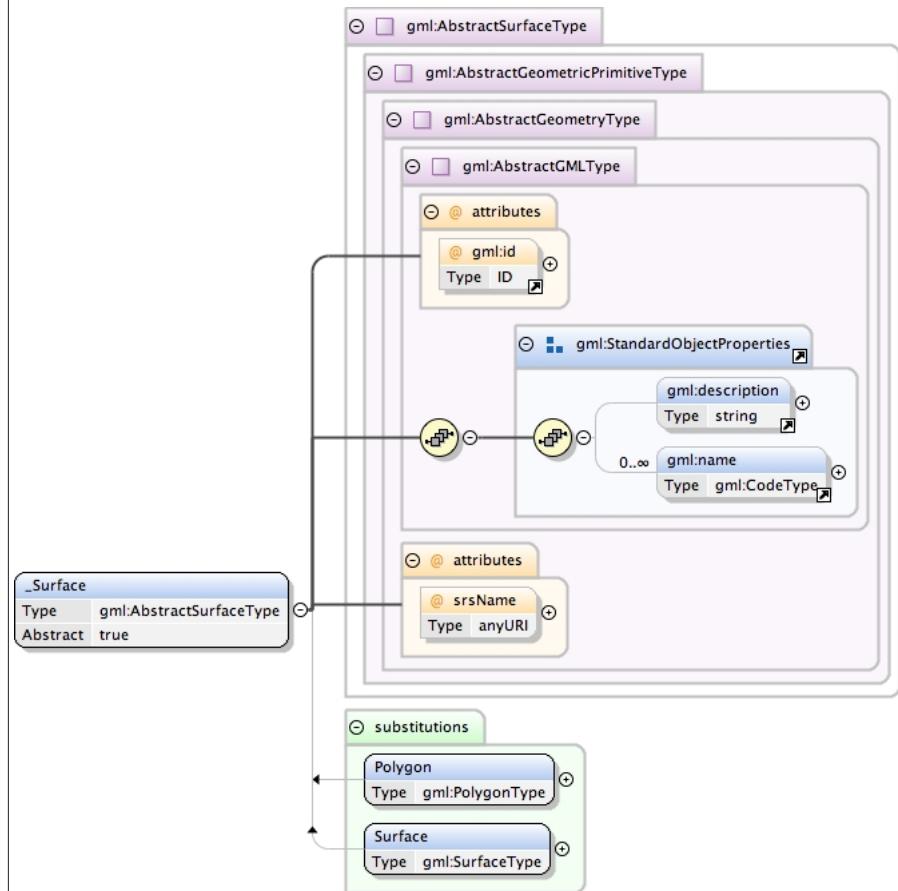
Element gml:surfaceMember

Namespace	http://www.opengis.net/gml
Annotations	This property element contains the surface element. A surface element is any element which is substitutable for "_Surface".
Diagram	<pre> classDiagram class gml { class SurfacePropertyType class _Surface class AbstractSurfaceType } class surfaceMember { Type gml:SurfacePropertyType } surfaceMember "0..1" o-- "0..1" gml:SurfacePropertyType gml:_Surface "0..1" o-- "0..1" gml:AbstractSurfaceType gml:_Surface { Type gml:AbstractSurfaceType Abstract true } </pre>
Type	gml:SurfacePropertyType
Properties	content: complex
Used by	Complex Type gml:MultiSurfaceType
Model	gml:_Surface
Children	gml:_Surface
Instance	<pre> <gml:surfaceMember> <gml:_Surface gml:id="" srsName="">{1,1}</gml:_Surface> </gml:surfaceMember> </pre>
Source	<pre> <element name="surfaceMember" type="gml:SurfacePropertyType"> <annotation> <documentation>This property element contains the surface element. A surface element is any element which is substitutable for "_Surface".</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gml:_Surface

Namespace	http://www.opengis.net/gml
Annotations	The "_Surface" element is the abstract head of the substitution group for all (continuous) surface elements.

Diagram



Type	gml:AbstractSurfaceType																				
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractSurfaceType 																				
Properties	content: complex abstract: true																				
Used by	Complex Type gml:SurfacePropertyType																				
Model	gml:description{0,1}, gml:name*																				
Children	gml:description, gml:name																				
Instance	<gml:_Surface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Surface>																				
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QName	Type	Fixed	Default	Use																	
gml:id	ID			optional																	
srsName	anyURI			optional																	
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	QName	Type	Fixed	Default	Use
			attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.		
Source		<element name="_Surface" type="gml:AbstractSurfaceType" substitutionGroup="gml:_GeometricPrimitive" abstract="true"> <annotation> <documentation>The "_Surface" element is the abstract head of the substitution group for all (continuous) surface elements.</documentation> </annotation> </element>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element **gml:Curve**

Namespace	http://www.opengis.net/gml
Diagram	
Type	gml:CurveType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractCurveType • gml:CurveType
Properties	content: complex
Model	gml:description{0,1} , gml:name* , gml:segments
Children	gml:description, gml:name, gml:segments
Instance	<pre><gml:Curve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Curve></pre>

Attributes	QName	Type	Fixed	Default	Use	
	gml:id	ID			optional	
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				
	srsName	anyURI			optional	
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.				
Source	<element name="Curve" type="gml:CurveType" substitutionGroup="gml:_Curve" />					
Schema location	http://www.tridas.org/1.2/gmlsf.xsd					

Element **gml:segments**

Namespace	http://www.opengis.net/gml
Annotations	This property element contains a list of curve segments. The order of the elements is significant and shall be preserved when processing the array.
Diagram	<pre> classDiagram class segments { <<gml:CurveSegmentArrayPropertyType>> } class gml__CurveSegment { <<gml:AbstractCurveSegmentType>> Abstract true } segments "0..infinity" -- "gml__CurveSegment" </pre>
Type	gml:CurveSegmentArrayPropertyType
Properties	content: complex
Used by	Complex Type gml:CurveType
Model	gml:_CurveSegment*
Children	gml:_CurveSegment
Instance	<pre> <gml:segments> <gml:_CurveSegment>{0,unbounded}</gml:_CurveSegment> </gml:segments> </pre>
Source	<pre> <element name="segments" type="gml:CurveSegmentArrayPropertyType"> <annotation> <documentation>This property element contains a list of curve segments. The order of the elements is significant and shall be preserved when processing the array.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element **gml:_CurveSegment**

Namespace	http://www.opengis.net/gml
Annotations	The "_CurveSegment" element is the abstract head of the substitution group for all curve segment elements, i.e. continuous segments of the same interpolation mechanism.

Diagram	
Type	gmL:AbstractCurveSegmentType
Properties	<p>content: complex</p> <p>abstract: true</p>
Used by	Complex Type gmL:CurveSegmentArrayType
Model	
Source	<pre><element name="_CurveSegment" type="gmL:AbstractCurveSegmentType" abstract="true"> <annotation> <documentation>The "_CurveSegment" element is the abstract head of the substitution group for all curve segment elements, i.e. continuous segments of the same interpolation mechanism.</documentation> </annotation> </element></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gmL:LineStringSegment

Namespace	http://www.opengis.net/gml															
Diagram																
Type	gmL:LineStringSegmentType															
Type hierarchy	<ul style="list-style-type: none"> • gmL:AbstractCurveSegmentType • gmL:LineStringSegmentType 															
Properties	content: complex															
Model	gmL:posList															
Children	gmL:posList															
Instance	<pre><gmL:LineStringSegment interpolation="linear"> <gmL:posList>{1,1}</gmL:posList> </gmL:LineStringSegment></pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gmL:CurveInterpolationType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gmL:CurveInterpolationType			optional		The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".			
QName	Type	Fixed	Default	Use												
interpolation	gmL:CurveInterpolationType			optional												
	The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".															
Source	<pre><element name="LineStringSegment" type="gmL:LineStringSegmentType" substitutionGroup="gmL:_CurveSegment"/></pre>															

Schema location	http://www.tridas.org/1.2/gmlsf.xsd
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Element `gml:_SurfacePatch`

Namespace	http://www.opengis.net/gml
Annotations	The " <code>_SurfacePatch</code> " element is the abstract head of the substitution group for all surface patch elements describing a continuous portion of a surface.
Diagram	<pre> classDiagram class _SurfacePatch { Type: gml:AbstractSurfacePatchType Abstract: true } class gml:AbstractSurfacePatchType class gml:PolygonPatch { Type: gml:PolygonPatchType } _SurfacePatch "3" --> "3" gml:AbstractSurfacePatchType _SurfacePatch "3" --> "3" gml:PolygonPatch </pre>
Type	<code>gml:AbstractSurfacePatchType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Used by	Complex Type <code>gml:SurfacePatchArrayPropertyType</code>
Model	
Source	<pre> <element name="_SurfacePatch" type="gml:AbstractSurfacePatchType" abstract="true"> <annotation> <documentation>The "_SurfacePatch" element is the abstract head of the substitution group for all surface patch elements describing a continuous portion of a surface.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

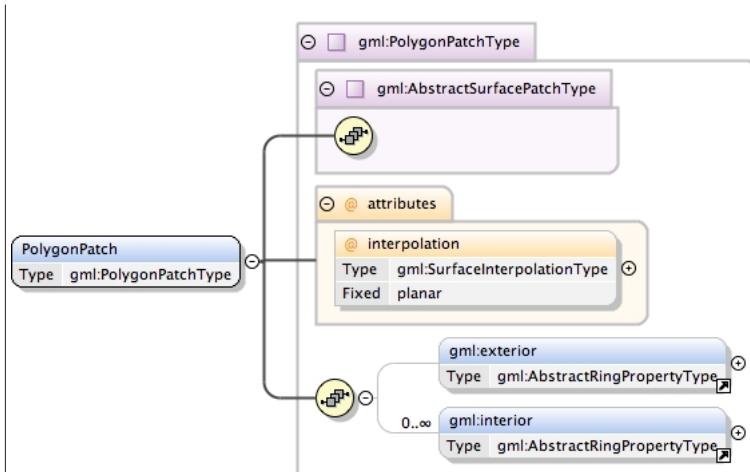
Element `gml:patches`

Namespace	http://www.opengis.net/gml
Annotations	This property element contains a list of surface patches. The order of the elements is significant and shall be preserved when processing the array.
Diagram	<pre> classDiagram class patches { Type: gml:SurfacePatchArrayPropertyType } class gml:_SurfacePatch { Type: gml:AbstractSurfacePatchType Abstract: true } class gml:AbstractSurfacePatchType patches "0..∞" --> "1" gml:_SurfacePatch </pre>
Type	<code>gml:SurfacePatchArrayPropertyType</code>
Properties	content: complex
Used by	Complex Type <code>gml:SurfaceType</code>
Model	<code>gml:_SurfacePatch*</code>
Children	<code>gml:_SurfacePatch</code>
Instance	<pre> <gml:patches> <gml:_SurfacePatch>{0,unbounded}</gml:_SurfacePatch> </gml:patches> </pre>
Source	<pre> <element name="patches" type="gml:SurfacePatchArrayPropertyType"> <annotation> <documentation>This property element contains a list of surface patches. The order of the elements is significant and shall be preserved when processing the array.</documentation> </annotation> </element> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element `gml:PolygonPatch`

Namespace	http://www.opengis.net/gml
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Diagram

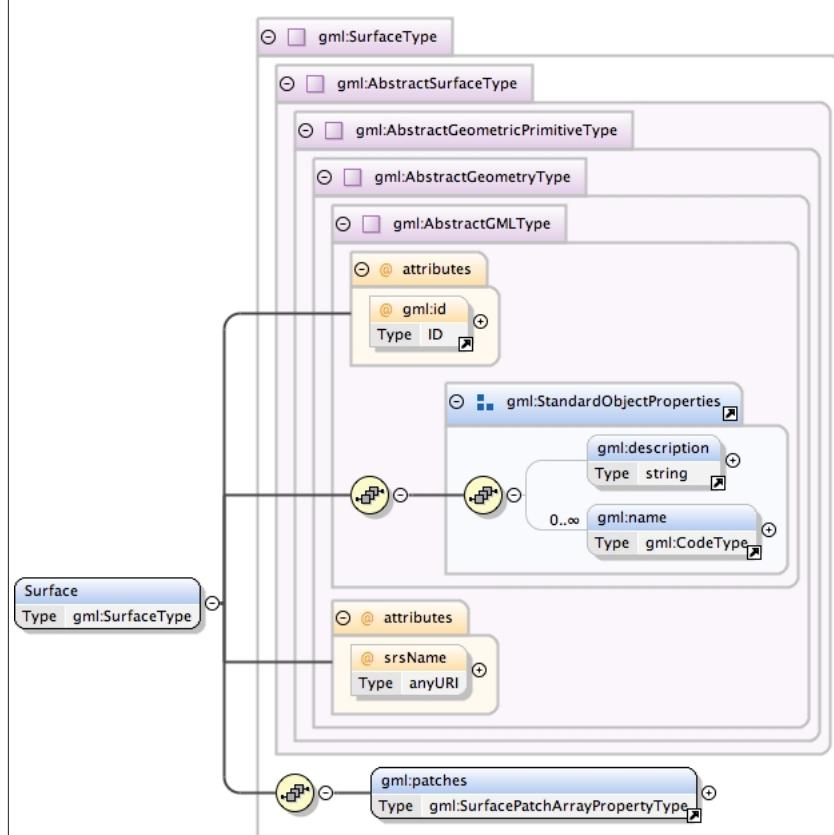


Type	gml:PolygonPatchType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractSurfacePatchType <ul style="list-style-type: none"> • gml:PolygonPatchType 															
Properties	content: complex															
Model	gml:exterior{0,1} , gml:interior*															
Children	gml:exterior, gml:interior															
Instance	<pre> <gml:PolygonPatch interpolation="planar"> <gml:exterior>{0,1}</gml:exterior> <gml:interior>{0,unbounded}</gml:interior> </gml:PolygonPatch> </pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gml:SurfaceInterpolationType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> <p>The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.</p> </td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:SurfaceInterpolationType			optional		<p>The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.</p>			
QName	Type	Fixed	Default	Use												
interpolation	gml:SurfaceInterpolationType			optional												
	<p>The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.</p>															
Source	<pre> <element name="PolygonPatch" type="gml:PolygonPatchType" substitutionGroup="gml:_SurfacePatch"/> </pre>															
Schema location	http://www.tridas.org/1.2/gmlsru.xsd															

Element gml:Surface

Namespace	http://www.opengis.net/gml
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Diagram



Type	gml:SurfaceType																								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractSurfaceType • gml:SurfaceType 																								
Properties	content: complex																								
Model	gml:description{0,1} , gml:name* , gml:patches																								
Children	gml:description, gml:name, gml:patches																								
Instance	<gml:Surface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Surface>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Data type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Description: In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional		Data type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				srsName	anyURI			optional		Description: In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct		
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	QName	Type	Fixed	Default	Use
position level only in rare cases.					
Source		<element name="Surface" type="gml:SurfaceType" substitutionGroup="gml:_Surface"/>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element gml:_Geometry

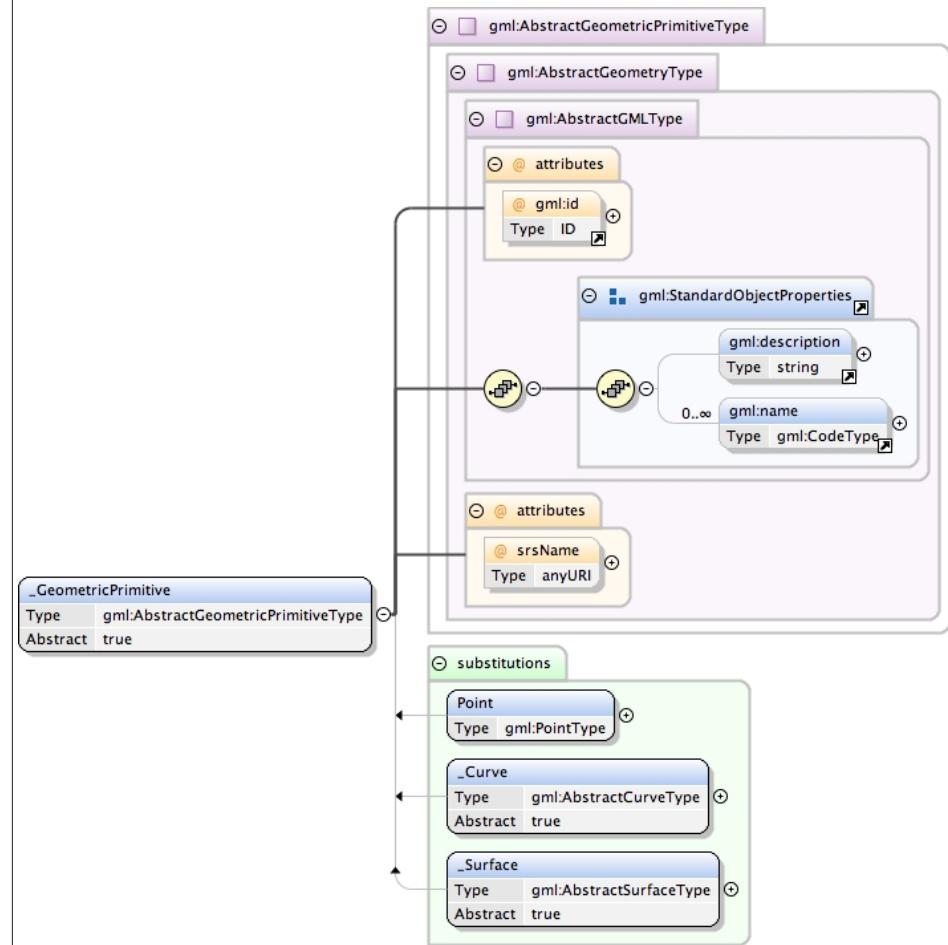
Namespace	http://www.opengis.net/gml										
Annotations	The "_Geometry" element is the abstract head of the substitution group for all geometry elements of GML 3. This includes pre-defined and user-defined geometry elements. Any geometry element must be a direct or indirect extension/restriction of AbstractGeometryType and must be directly or indirectly in the substitution group of "_Geometry".										
Diagram	<pre> classDiagram class gml:_Geometry { <<Abstract>> <<gml:AbstractGeometryType>> } class gml:AbstractGeometryType { <<Abstract>> <<gml:AbstractGMLType>> } class gml:AbstractGMLType { <<gml:StandardObjectProperties>> <<@attributes>> <<@gml:id ID>> <<@srsName anyURI>> } class gml:StandardObjectProperties { <<gml:description string>> <<gml:name CodeType>> } class gml:LinearRing class gml:GeometricAggregate class gml:GeometricPrimitive gml:_Geometry --> gml:AbstractGeometryType gml:AbstractGeometryType --> gml:AbstractGMLType gml:AbstractGMLType --> gml:StandardObjectProperties gml:AbstractGMLType --> @attributes gml:AbstractGMLType --> @gml:id gml:AbstractGMLType --> @srsName gml:AbstractGMLType --> gml:StandardObjectProperties gml:AbstractGMLType --> gml:description gml:AbstractGMLType --> gml:name gml:AbstractGMLType --> gml:LinearRing gml:AbstractGMLType --> gml:GeometricAggregate gml:AbstractGMLType --> gml:GeometricPrimitive </pre>										
Type	gml:AbstractGeometryType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType 										
Properties	<p>content: complex</p> <p>abstract: true</p>										
Used by	Complex Type gml:GeometryPropertyType										
Model	gml:description{0,1} , gml:name*										
Children	gml:description, gml:name										
Instance	<pre> <gml:_Geometry gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Geometry> </pre>										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional
QName	Type	Fixed	Default	Use							
gml:id	ID			optional							

	QName	Type	Fixed	Default	Use
		Data handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source		<element name="_Geometry" type="gml:AbstractGeometryType" substitutionGroup="gml:_GML" abstract="true"> <annotation> <documentation>The "_Geometry" element is the abstract head of the substitution group for all geometry elements of GML 3. This includes pre-defined and user-defined geometry elements. Any geometry element must be a direct or indirect extension/restriction of AbstractGeometryType and must be directly or indirectly in the substitution group of "_Geometry".</documentation> </annotation> </element>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element **gml:_GeometricPrimitive**

Namespace	http://www.opengis.net/gml
Annotations	The "_GeometricPrimitive" element is the abstract head of the substitution group for all (pre- and user-defined) geometric primitives.

Diagram



Type	gml:AbstractGeometricPrimitiveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:AbstractGeometricPrimitiveType 																									
Properties	<p>content: complex</p> <p>abstract: true</p>																									
Model	gml:description{0,1} , gml:name*																									
Children	gml:description, gml:name																									
Instance	<pre> <gml:_GeometricPrimitive gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_GeometricPrimitive> </pre>																									
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QName	Type	Fixed	Default	Use																						
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	QName	Type	Fixed	Default	Use
		a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source		<element name="_GeometricPrimitive" type="gml:AbstractGeometricPrimitiveType" abstract="true" substitutionGroup="gml:_Geometry"> <annotation> <documentation>The "_GeometricPrimitive" element is the abstract head of the substitution group for all (pre- and user-defined) geometric primitives.</documentation> </annotation> </element>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Element gml:LineString

Namespace	http://www.opengis.net/gml										
Diagram	<pre> classDiagram class gml:LineStringType { <<gml:AbstractCurveType>> <<gml:AbstractGeometricPrimitiveType>> <<gml:AbstractGeometryType>> <<gml:AbstractGMLType>> <<@ attributes>> <<@ id : ID>> <<srsName : anyURI>> <<gml:StandardObjectProperties>> <<description : string>> <<name : gml:CodeType>> <<gml:posList : gml:DirectPositionListType>> } </pre>										
Type	gml:LineStringType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractCurveType • gml:LineStringType 										
Properties	content: complex										
Model	gml:description{0,1} , gml:name* , gml:posList										
Children	gml:description, gml:name, gml:posList										
Instance	<pre> <gml:LineString gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:LineString> </pre>										
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QName	Type	Fixed	Default	Use							
gml:id	ID			optional							

	QName	Type	Fixed	Default	Use
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source	<element name="LineString" type="gml:LineStringType" substitutionGroup="gml:_Curve" />				
Schema location	http://www.tridas.org/1.2/gmlsf.xsd				

Element gml:Envelope

Namespace	http://www.opengis.net/gml															
Diagram	<pre> classDiagram class Envelope { Type: gml:EnvelopeType } class gml { class EnvelopeType { attribute srsName: anyURI lowerCorner: gml:DirectPositionType upperCorner: gml:DirectPositionType } } </pre>															
Type	gml:EnvelopeType															
Properties	content: complex															
Used by	Complex Type gml:BoundingShapeType															
Model	gml:lowerCorner , gml:upperCorner															
Children	gml:lowerCorner, gml:upperCorner															
Instance	<pre> <gml:Envelope srsName=""> <gml:lowerCorner>{1,1}</gml:lowerCorner> <gml:upperCorner>{1,1}</gml:upperCorner> </gml:Envelope> </pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td><td></td><td>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.</td><td></td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	srsName	anyURI			required			In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.		
QName	Type	Fixed	Default	Use												
srsName	anyURI			required												
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.														
Source	<element name="Envelope" type="gml:EnvelopeType" />															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Element gml:EnvelopeType/gml:lowerCorner

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class lowerCorner { Type: gml:DirectPositionType } class gml { class DirectPositionType { doubleList: gml:doubleList } } </pre>

Type	gml:DirectPositionType
Type hierarchy	<ul style="list-style-type: none"> • anySimpleType <ul style="list-style-type: none"> • gml:doubleList <ul style="list-style-type: none"> • gml:DirectPositionType
Properties	content: complex
Source	<element name="lowerCorner" type="gml:DirectPositionType"/>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

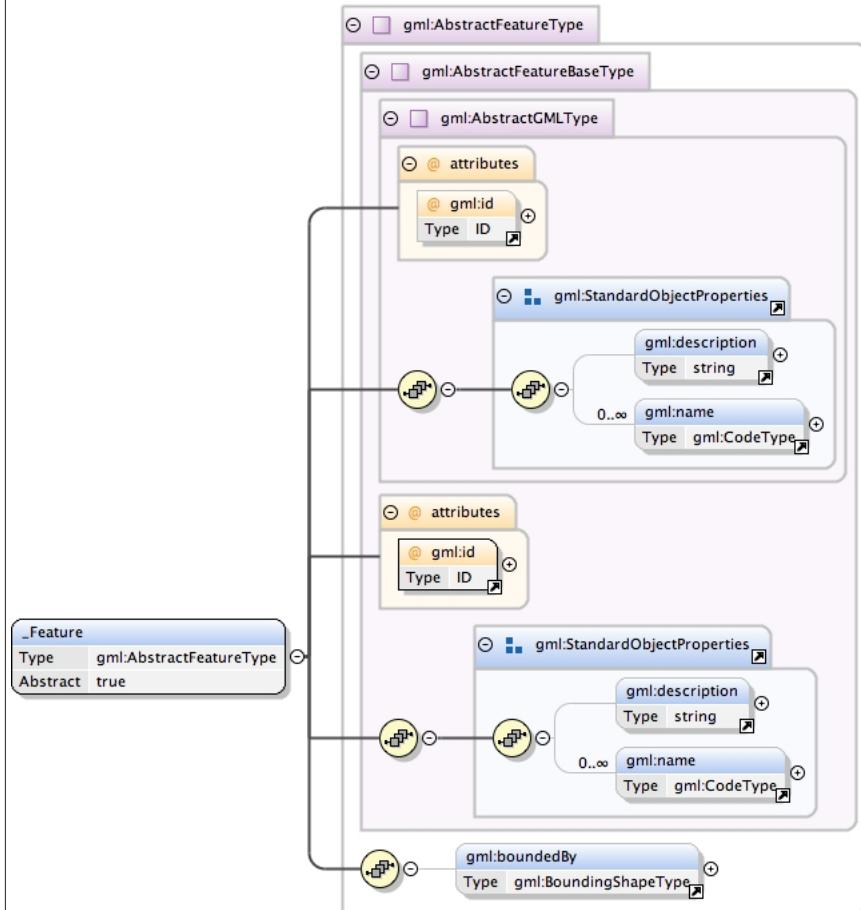
Element gml:EnvelopeType/gml:upperCorner

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class upperCorner { Type gml:DirectPositionType } class gml { class DirectPositionType { <<gml:doubleList>> } } upperCorner "0..1" -- "*" gml.DirectPositionType : note over gml.DirectPositionType: gml:doubleList </pre>
Type	gml:DirectPositionType
Type hierarchy	<ul style="list-style-type: none"> • anySimpleType <ul style="list-style-type: none"> • gml:doubleList <ul style="list-style-type: none"> • gml:DirectPositionType
Properties	content: complex
Source	<element name="upperCorner" type="gml:DirectPositionType"/>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gml:_Feature

Namespace	http://www.opengis.net/gml
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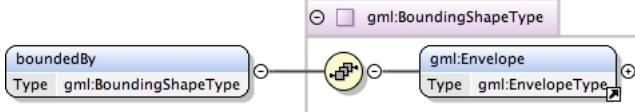
Diagram



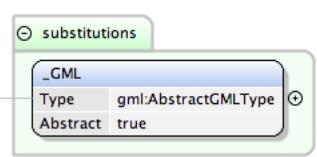
Type	gml:AbstractFeatureType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureBaseType • gml:AbstractFeatureType 															
Properties	<p>content: complex</p> <p>abstract: true</p>															
Model	gml:description{0,1} , gml:name* , gml:boundedBy{0,1}															
Children	gml:boundedBy, gml:description, gml:name															
Instance	<gml:_Feature gml:id=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Feature>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
QName	Type	Fixed	Default	Use												
gml:id	ID			required												
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Source	<element name="_Feature" type="gml:AbstractFeatureType" abstract="true" substitutionGroup="gml:_GML"/>															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Element gml:boundedBy

Namespace	http://www.opengis.net/gml
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Diagram	
Type	gml:BoundingShapeType
Properties	content: complex
Used by	Complex Type gml:AbstractFeatureType
Model	gml:Envelope
Children	gml:Envelope
Instance	<gml:boundedBy> <gml:Envelope srsName="">{1,1}</gml:Envelope> </gml:boundedBy>
Source	<element name="boundedBy" type="gml:BoundingShapeType"/>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

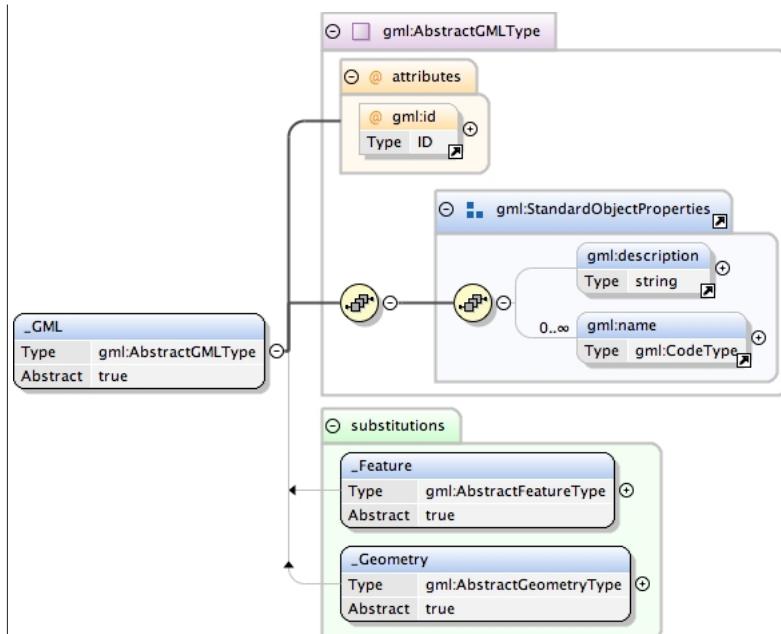
Element gml:_Object

Namespace	http://www.opengis.net/gml
Annotations	This abstract element is the head of a substitutionGroup hierarchy which may contain either simpleContent or complexContent elements. It is used to assert the model position of "class" elements declared in other GML schemas.
Diagram	
Properties	abstract: true
Source	<element name="_Object" abstract="true"> <annotation> <documentation>This abstract element is the head of a substitutionGroup hierarchy which may contain either simpleContent or complexContent elements. It is used to assert the model position of "class" elements declared in other GML schemas.</documentation> </annotation> </element>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element gml:_GML

Namespace	http://www.opengis.net/gml
Annotations	Global element which acts as the head of a substitution group that may include any element which is a GML feature, object, geometry or complex value

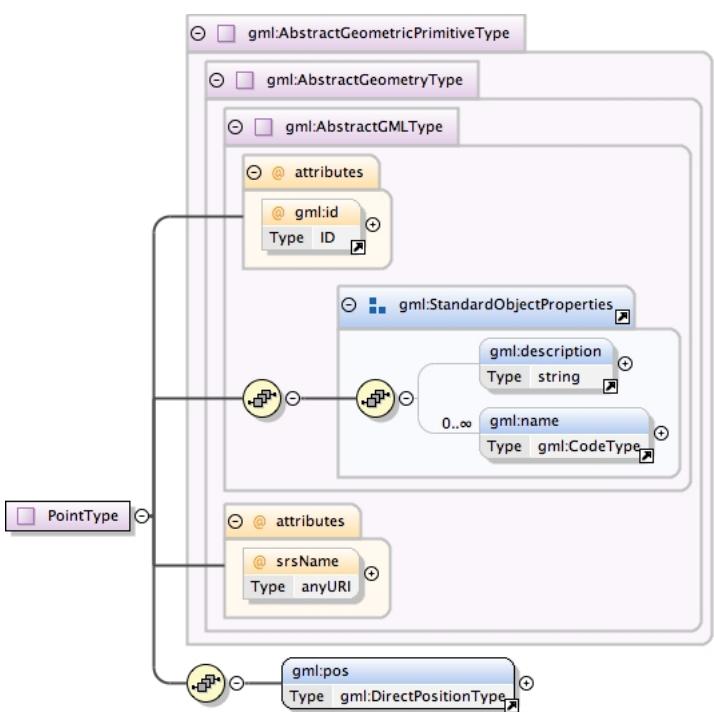
Diagram



Type	<code>gml:AbstractGMLType</code>															
Properties	<p>content: complex</p> <p>abstract: true</p>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>															
Children	<code>gml:description</code> , <code>gml:name</code>															
Instance	<pre><gml:_GML gml:id=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_GML></pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
QName	Type	Fixed	Default	Use												
<code>gml:id</code>	ID			optional												
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Source	<pre><element name="_GML" type="gml:AbstractGMLType" abstract="true" substitutionGroup="gml:_Object"> <annotation> <documentation>Global element which acts as the head of a substitution group that may include any element which is a GML feature, object, geometry or complex value</documentation> </annotation> </element></pre>															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Complex Types**Complex Type `gml:PointType`**

Namespace	http://www.opengis.net/gml
Annotations	A Point is defined by a single coordinate tuple.

Diagram																										
Type	extension of <code>gml:AbstractGeometricPrimitiveType</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometryType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometricPrimitiveType</code> <ul style="list-style-type: none"> • <code>gml:PointType</code> 																									
Used by	Element <code>gml:Point</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:pos</code>																									
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:pos</code>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td><code>srsName</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				<code>srsName</code>	anyURI			optional		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
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Source	<pre> <complexType name="PointType"> <annotation> <documentation>A Point is defined by a single coordinate tuple.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricPrimitiveType"> <sequence> <element ref="gml:pos" /> </sequence> </extension> </complexContent> </pre>																									

	</complexType>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:AbstractGeometricPrimitiveType`

Namespace	http://www.opengis.net/gml																									
Annotations	<p>This is the abstract root type of the geometric primitives. A geometric primitive is a geometric object that is not decomposed further into other primitives in the system. All primitives are oriented in the direction implied by the sequence of their coordinate tuples.</p>																									
Diagram	<pre> classDiagram class gml:AbstractGeometryType { <<AbstractGeometryType>> } class gml:AbstractGMLType { <<AbstractGMLType>> } class gml:AbstractGeometricPrimitiveType { <<AbstractGeometricPrimitiveType>> } class gml:StandardObjectProperties { <<StandardObjectProperties>> } gml:AbstractGeometryType < -- gml:AbstractGMLType gml:AbstractGMLType < -- gml:AbstractGeometricPrimitiveType gml:AbstractGMLType "1..1" --> gml:StandardObjectProperties gml:AbstractGeometricPrimitiveType "1..1" --> gml:StandardObjectProperties gml:AbstractGMLType "1..1" --> @id : ID gml:AbstractGMLType "1..1" --> @srsName : anyURI gml:StandardObjectProperties "0..1" --> gml:description : string gml:StandardObjectProperties "0..1" --> gml:name : gml:CodeType </pre>																									
Type	extension of <code>gml:AbstractGeometryType</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometryType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometricPrimitiveType</code> 																									
Properties	abstract: true																									
Used by	<p>Complex Types <code>gml:AbstractCurveType</code>, <code>gml:AbstractSurfaceType</code>, <code>gml:PointType</code></p> <p>Element <code>gml:_GeometricPrimitive</code></p>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute. </td> </tr> <tr> <td><code>srsName</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases. </td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				<code>srsName</code>	anyURI			optional		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
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Source	<pre> <complexType name="AbstractGeometricPrimitiveType" abstract="true"> </pre>																									

```

<annotation>
  <documentation>This is the abstract root type of the geometric primitives. A geometric primitive is a geometric object that is not decomposed further into other primitives in the system. All primitives are oriented in the direction implied by the sequence of their coordinate tuples.</documentation>
</annotation>
<complexContent>
  <extension base="gml:AbstractGeometryType" />
</complexContent>
</complexType>

```

Schema location <http://www.tridas.org/1.2/gmlsf.xsd>

Complex Type gml:AbstractGeometryType

Namespace	http://www.opengis.net/gml																									
Annotations	All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an identifying attribute ("gml:id"), a name (attribute "name") and a description (attribute "description"). It may be associated with a spatial reference system (attribute "srsName"). The following rules shall be adhered: - Every geometry type shall derive from this abstract type. - Every geometry element (i.e. an element of a geometry type) shall be directly or indirectly in the substitution group of _Geometry.																									
Diagram																										
Type	extension of gml:AbstractGMLType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType 																									
Properties	abstract: true																									
Used by	<table> <tr> <td>Complex Types</td> <td>gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType</td> </tr> <tr> <td>Element</td> <td>gml:_Geometry</td> </tr> </table>	Complex Types	gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType	Element	gml:_Geometry																					
Complex Types	gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType																									
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Model	gml:description{0,1} , gml:name*																									
Children	gml:description, gml:name																									
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QName	Type	Fixed	Default	Use																						
gml:id	ID			optional																						
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.																									
srsName	anyURI			optional																						
	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known																									

	QName	Type	Fixed	Default	Use
			references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.		
Source		<complexType name="AbstractGeometryType" abstract="true"> <annotation> <documentation>All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an identifying attribute ("gml:id"), a name (attribute "name") and a description (attribute "description"). It may be associated with a spatial reference system (attribute "srsName"). The following rules shall be adhered: - Every geometry type shall derive from this abstract type. - Every geometry element (i.e. an element of a geometry type) shall be directly or indirectly in the substitution group of _Geometry.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGMLType"> <attribute name="srsName" type="anyURI" use="optional"> <annotation> <documentation>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</documentation> </annotation> </attribute> </extension> </complexContent> </complexType>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Complex Type gml:AbstractGMLType

Namespace	http://www.opengis.net/gml				
Annotations	All complexContent GML elements are directly or indirectly derived from this abstract supertype to establish a hierarchy of GML types that may be distinguished from other XML types by their ancestry. Elements in this hierarchy must have an ID and are thus referenceable.				
Diagram	<pre> classDiagram class AbstractGMLType { <<AbstractGMLType>> <<gml:StandardObjectProperties>> <<gml:description>> <<gml:name>> } class StandardObjectProperties { <<gml:StandardObjectProperties>> <<gml:description>> <<gml:name>> } class description { <<gml:description>> <<string>> } class name { <<gml:name>> <<CodeType>> } AbstractGMLType < -- StandardObjectProperties StandardObjectProperties < -- description StandardObjectProperties < -- name StandardObjectProperties < -- gml:id { <<gml:id>> <<ID>> } StandardObjectProperties < -- attributes { <<attributes>> } </pre>				
Properties	abstract: true				
Used by	Complex Types: gml:AbstractFeature BaseType, gml:AbstractGeometryType Element: gml:_GML				
Model	gml:description{0,1}, gml:name*				
Children	gml:description, gml:name				
Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value			

	QName	Type	Fixed	Default	Use
		of the id attribute.			
Source		<complexType name="AbstractGMLType" abstract="true"> <annotation> <documentation>All complexContent GML elements are directly or indirectly derived from this abstract supertype to establish a hierarchy of GML types that may be distinguished from other XML types by their ancestry. Elements in this hierarchy must have an ID and are thus referenceable.</documentation> </annotation> <sequence> <group ref="gml:StandardObjectProperties" /> </sequence> <attribute ref="gml:id" use="optional" /> </complexType>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Complex Type gml:CodeType

Namespace	http://www.opengis.net/gml				
Annotations	Name or code with an (optional) authority. Text token. If the codeSpace attribute is present, then its value should identify a dictionary, thesaurus or authority for the term, such as the organisation who assigned the value, or the dictionary from which it is taken. A text string with an optional codeSpace attribute.				
Diagram	<pre> classDiagram class CodeType { string @ attributes @ codeSpace anyURI } CodeType < -- string </pre>				
Type	extension of string				
Used by	Element gml:name				
Attributes	QName	Type	Fixed	Default	Use
	codeSpace	anyURI			optional
Source	<complexType name="CodeType"> <annotation> <documentation>Name or code with an (optional) authority. Text token. If the codeSpace attribute is present, then its value should identify a dictionary, thesaurus or authority for the term, such as the organisation who assigned the value, or the dictionary from which it is taken. A text string with an optional codeSpace attribute.</documentation> </annotation> <simpleContent> <extension base="string"> <attribute name="codeSpace" type="anyURI" use="optional" /> </extension> </simpleContent> </complexType>				
Schema location	http://www.tridas.org/1.2/gmlsf.xsd				

Complex Type gml:DirectPositionType

Namespace	http://www.opengis.net/gml				
Annotations	DirectPosition instances hold the coordinates for one position in the coordinate reference system (CRS) referenced in a larger element. In this case, the CRS shall be assumed to be the value referenced in the containing object's CRS.				
Diagram	<pre> classDiagram class DirectPositionType { --> gml:doubleList } </pre>				
Type	extension of gml:doubleList				
Type hierarchy	<ul style="list-style-type: none"> • anySimpleType • gml:doubleList • gml:DirectPositionType 				
Used by	Elements gml:EnvelopeType/gml:lowerCorner, gml:EnvelopeType/gml:upperCorner, gml:pos				

Source	<pre><complexType name="DirectPositionType"> <annotation> <documentation>DirectPosition instances hold the coordinates for one position in the coordinate reference system (CRS) referenced in a larger element. In this case, the CRS shall be assumed to be the value referenced in the containing object's CRS.</documentation> </annotation> <simpleContent> <extension base="gml:doubleList"/> </simpleContent> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:PolygonType

Namespace	http://www.opengis.net/gml										
Annotations	A Polygon is a special surface that is defined by a single surface patch. The boundary of this patch is coplanar and the polygon uses planar interpolation in its interior. It is backwards compatible with the Polygon of GML 2.										
Diagram	<pre> classDiagram class PolygonType { @ attributes @ gml:id Type ID @ srsName Type anyURI gml:StandardObjectProperties { gml:description Type string gml:name Type gml:CodeType } gml:exterior Type gml:AbstractRingPropertyType 0..> gml:interior Type gml:AbstractRingPropertyType } class AbstractSurfaceType { <<AbstractGeometricPrimitiveType>> <<AbstractGeometryType>> <<AbstractGMLType>> @ attributes @ gml:id Type ID } class StandardObjectProperties { gml:description Type string gml:name Type gml:CodeType } class AbstractRingPropertyType class AbstractGeometryType class AbstractGMLType class AbstractGeometricPrimitiveType class AbstractSurfaceType class GMLType class CodeType class StringType class AnyURIType class IDType </pre>										
Type	extension of gml:AbstractSurfaceType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractSurfaceType • gml:PolygonType 										
Used by	Element gml:Polygon										
Model	gml:description{0,1} , gml:name* , gml:exterior{0,1} , gml:interior*										
Children	gml:description, gml:exterior, gml:interior, gml:name										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table> <p>Database handle for the object. It is of XML type ID,</p>	QName	Type	Fixed	Default	Use	gml:id	ID			optional
QName	Type	Fixed	Default	Use							
gml:id	ID			optional							

	QName	Type	Fixed	Default	Use
		so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source		<complexType name="PolygonType"> <annotation> <documentation>A Polygon is a special surface that is defined by a single surface patch. The boundary of this patch is coplanar and the polygon uses planar interpolation in its interior. It is backwards compatible with the Polygon of GML 2.</documentation> </annotation> <complexContent> <extension base="gml:AbstractSurfaceType"> <sequence> <element ref="gml:exterior" minOccurs="0"/> <element ref="gml:interior" minOccurs="0" maxOccurs="unbounded" /> </sequence> </extension> </complexContent> </complexType>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Complex Type gml:AbstractSurfaceType

Namespace	http://www.opengis.net/gml
Annotations	An abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.
Diagram	<pre> classDiagram class gml:AbstractGeometricPrimitiveType class gml:AbstractGeometryType class gml:AbstractGMLType class gml:StandardObjectProperties class gml:AbstractSurfaceType gml:AbstractGeometricPrimitiveType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType gml:AbstractGMLType < -- gml:AbstractSurfaceType gml:AbstractGMLType "1..1" -- "0..1" gml:StandardObjectProperties : "gml:description" string "gml:name" gml:CodeType gml:AbstractGMLType "1..1" -- "1..1" gml:AbstractSurfaceType : "gml:srsName" anyURI gml:AbstractSurfaceType "1..1" -- "1..1" gml:AbstractGMLType : "gml:srsName" anyURI </pre>
Type	extension of gml:AbstractGeometricPrimitiveType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType

	<ul style="list-style-type: none"> • gml:AbstractSurfaceType 																										
Used by	Complex Types gml:PolygonType, gml:SurfaceType Element gml:_Surface																										
Model	gml:description{0,1} , gml:name*																										
Children	gml:description, gml:name																										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td></td><td>srsName</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="4">In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.					srsName	anyURI		optional			In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
QName	Type	Fixed	Default	Use																							
gml:id	ID			optional																							
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	srsName	anyURI		optional																							
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.																									
Source	<pre><complexType name="AbstractSurfaceType"> <annotation> <documentation>An abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricPrimitiveType" /> </complexContent> </complexType></pre>																										
Schema location	http://www.tridas.org/1.2/gmlsf.xsd																										

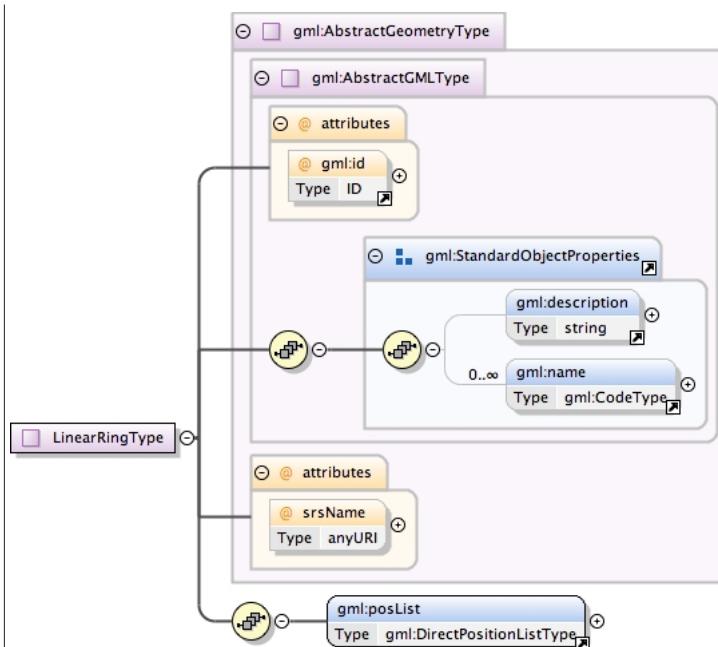
Complex Type gml:AbstractRingPropertyType

Namespace	http://www.opengis.net/gml
Annotations	Encapsulates a ring to represent the surface boundary property of a surface.
Diagram	<pre> classDiagram class AbstractRingPropertyType class gml:LinearRing class gml:LinearRingType AbstractRingPropertyType < -- gml:LinearRing gml:LinearRing < -- gml:LinearRingType </pre>
Used by	Elements gml:exterior, gml:interior
Model	gml:LinearRing
Children	gml:LinearRing
Source	<pre><complexType name="AbstractRingPropertyType"> <annotation> <documentation>Encapsulates a ring to represent the surface boundary property of a surface.</documentation> </annotation> <sequence> <element ref="gml:LinearRing" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:LinearRingType

Namespace	http://www.opengis.net/gml
Annotations	A LinearRing is defined by four or more coordinate tuples, with linear interpolation between them; the first and last coordinates must be coincident.

Diagram



Type	extension of gml:AbstractGeometryType
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Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:LinearRingType
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Used by	Element gml:LinearRing
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Model	gml:description{0,1} , gml:name* , gml:posList
-------	------------------------------------------------

Children	gml:description, gml:name, gml:posList
----------	----------------------------------------

Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
	srsName	anyURI			optional

Detailed description for attributes:

- gml:id**: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.
- srsName**: In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.

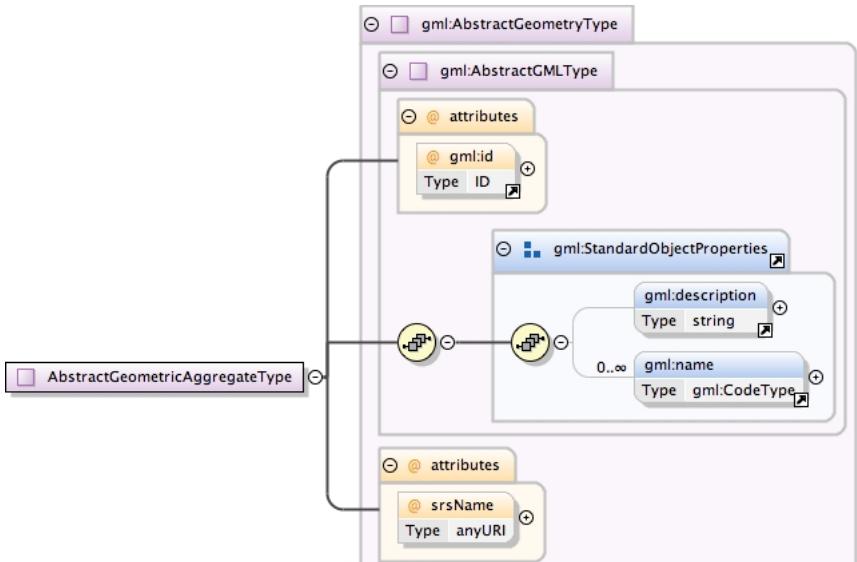
Source	<pre> <complexType name="LinearRingType"> <annotation> <documentation>A LinearRing is defined by four or more coordinate tuples, with linear interpolation between them; the first and last coordinates must be coincident.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometryType"> <sequence> <element ref="gml:posList"> <annotation> <documentation>The "posList" element provides a compact way to specify the coordinates of the control points, if all control points are in the same coordinate reference systems and belong to this ring only. The number of direct positions in the list must be at least four.</documentation> </annotation> </element> </sequence> </extension> </complexContent> </pre>
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	<pre> </element> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:DirectPositionListType`

Namespace	http://www.opengis.net/gml
Annotations	DirectPositionList instances hold the coordinates for a sequence of direct positions within the same coordinate reference system (CRS).
Diagram	
Type	extension of <code>gml:doubleList</code>
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionListType
Used by	Element <code>gml:posList</code>
Source	<pre> <complexType name="DirectPositionListType"> <annotation> <documentation>DirectPositionList instances hold the coordinates for a sequence of direct positions within the same coordinate reference system (CRS).</documentation> </annotation> <simpleContent> <extension base="gml:doubleList"/> </simpleContent> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:AbstractGeometricAggregateType`

Namespace	http://www.opengis.net/gml
Annotations	This is the abstract root type of the geometric aggregates.
Diagram	
Type	extension of <code>gml:AbstractGeometryType</code>
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractGeometryType gml:AbstractGeometricAggregateType
Properties	abstract: true

Used by	Element gml:_GeometricAggregate Complex Types gml:MultiCurveType , gml:MultiPointType , gml:MultiSurfaceType								
Model	gml:description{0,1} , gml:name*								
Children	gml:description , gml:name								
Attributes	QName	Type	Fixed	Default	Use				
	gml:id	ID			optional				
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.							
	srsName	anyURI			optional				
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.							
Source	<pre><complexType name="AbstractGeometricAggregateType" abstract="true"> <annotation> <documentation>This is the abstract root type of the geometric aggregates.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometryType" /> </complexContent> </complexType></pre>								
Schema location	http://www.tridas.org/1.2/gmlsru.xsd								

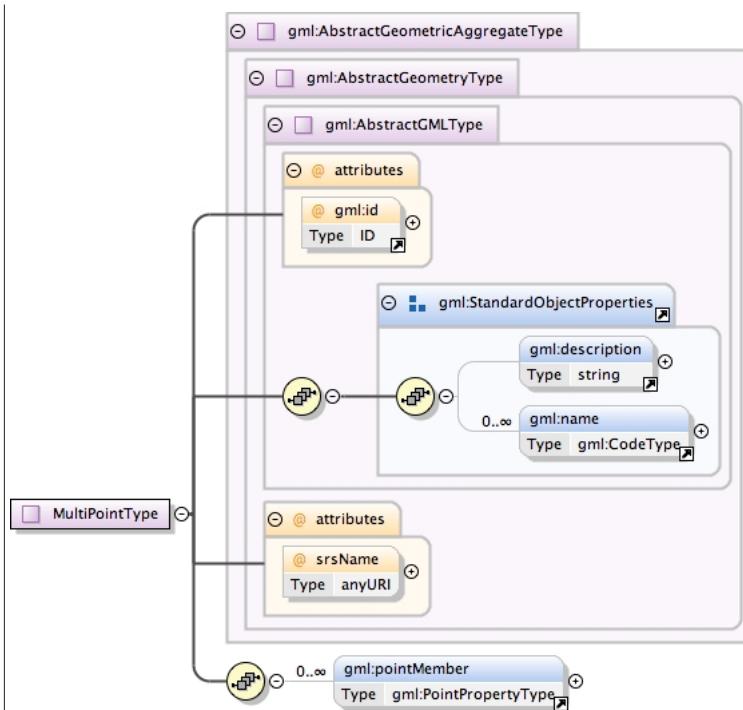
Complex Type **gml:MultiGeometry.PropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A property that has a geometric aggregate as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	<pre> classDiagram class MultiGeometry.PropertyType class gml__GeometricAggregate { <<Abstract>> <<true>> } MultiGeometry.PropertyType --o gml__GeometricAggregate </pre>
Model	gml:_GeometricAggregate
Children	gml:_GeometricAggregate
Source	<pre><complexType name="MultiGeometry.PropertyType"> <annotation> <documentation>A property that has a geometric aggregate as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:_GeometricAggregate" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsru.xsd

Complex Type **gml:MultiPointType**

Namespace	http://www.opengis.net/gml
Annotations	A MultiPoint is defined by one or more Points, referenced through pointMember elements.

Diagram



Type

extension of `gml:AbstractGeometricAggregateType`

Type hierarchy

- `gml:AbstractGMLType`
 - `gml:AbstractGeometryType`
 - `gml:AbstractGeometricAggregateType`
 - `gml:MultiPointType`

Used by

`Element gml:MultiPoint`

Model

`gml:description{0,1}, gml:name*, gml:pointMember*`

Children

`gml:description, gml:name, gml:pointMember`

Attributes

QName	Type	Fixed	Default	Use
<code>gml:id</code>	ID			optional
		Data database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
<code>srsName</code>	anyURI			optional
		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.		

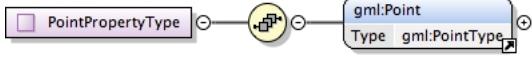
Source

```

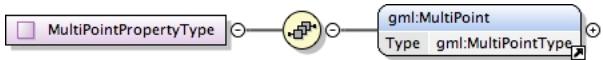
<complexType name="MultiPointType">
  <annotation>
    <documentation>A MultiPoint is defined by one or more Points, referenced through pointMember elements.</documentation>
  </annotation>
  <complexContent>
    <extension base="gml:AbstractGeometricAggregateType">
      <sequence>
        <element ref="gml:pointMember" minOccurs="0" maxOccurs="unbounded"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
  
```

	</complexContent> </complexType>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:PointPropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A property that has a point as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Used by	Element gml:pointMember
Model	gml:Point
Children	gml:Point
Source	<pre><complexType name="PointPropertyType"> <annotation> <documentation>A property that has a point as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:Point" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

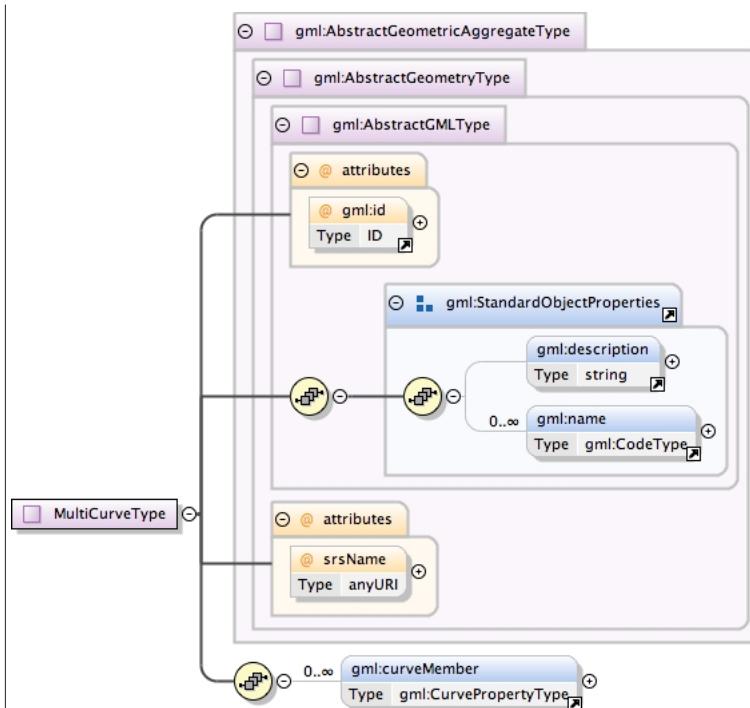
Complex Type **gml:MultiPointPropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A property that has a collection of points as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Model	gml:MultiPoint
Children	gml:MultiPoint
Source	<pre><complexType name="MultiPointPropertyType"> <annotation> <documentation>A property that has a collection of points as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:MultiPoint" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:MultiCurveType**

Namespace	http://www.opengis.net/gml
Annotations	A MultiCurve is defined by one or more Curves, referenced through curveMember elements.

Diagram



Type	extension of <code>gml:AbstractGeometricAggregateType</code>
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Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometryType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometricAggregateType</code> <ul style="list-style-type: none"> • <code>gml:MultiCurveType</code>
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Used by	Element <code>gml:MultiCurve</code>
---------	-------------------------------------

Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:curveMember*</code>
-------	--------------------------------------------------------------------------------------------

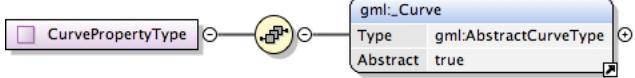
Children	<code>gml:curveMember</code> , <code>gml:description</code> , <code>gml:name</code>
----------	-------------------------------------------------------------------------------------

Attributes	QName	Type	Fixed	Default	Use
	<code>gml:id</code>	<code>ID</code>			optional
		Data database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	<code>srsName</code>	<code>anyURI</code>			optional
		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			

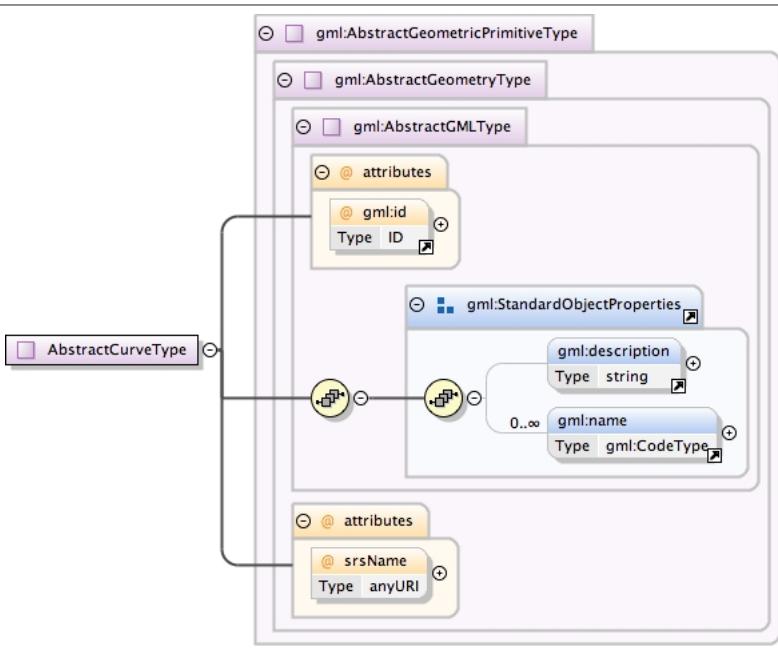
Source	<pre> <complexType name="MultiCurveType"> <annotation> <documentation>A MultiCurve is defined by one or more Curves, referenced through curveMember elements.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricAggregateType"> <sequence> <element ref="gml:curveMember" minOccurs="0" maxOccurs="unbounded"/> </sequence> </extension> </complexContent> </complexType> </pre>
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	</complexContent> </complexType>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:Curve.PropertyType`

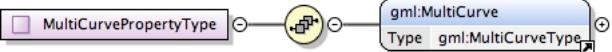
Namespace	http://www.opengis.net/gml
Annotations	A property that has a curve as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Used by	Element gml:curveMember
Model	gml:_Curve
Children	gml:_Curve
Source	<pre> <complexType name="Curve.PropertyType"> <annotation> <documentation>A property that has a curve as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:_Curve" /> </sequence> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:AbstractCurveType`

Namespace	http://www.opengis.net/gml
Annotations	An abstraction of a curve to support the different levels of complexity. The curve can always be viewed as a geometric primitive, i.e. is continuous.
Diagram	
Type	extension of gml:AbstractGeometricPrimitiveType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractCurveType

Properties	abstract: true																			
Used by	Element gml:_Curve Complex Types gml:CurveType, gml:LineStringType																			
Model	gml:description{0,1} , gml:name*																			
Children	gml:description, gml:name																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td></td><td></td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional	srsName	anyURI			optional	<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p> <p>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</p>			
QName	Type	Fixed	Default	Use																
gml:id	ID			optional																
srsName	anyURI			optional																
Source	<pre><complexType name="AbstractCurveType" abstract="true"> <annotation> <documentation>An abstraction of a curve to support the different levels of complexity. The curve can always be viewed as a geometric primitive, i.e. is continuous.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricPrimitiveType"/> </complexContent> </complexType></pre>																			
Schema location	http://www.tridas.org/1.2/gmlsf.xsd																			

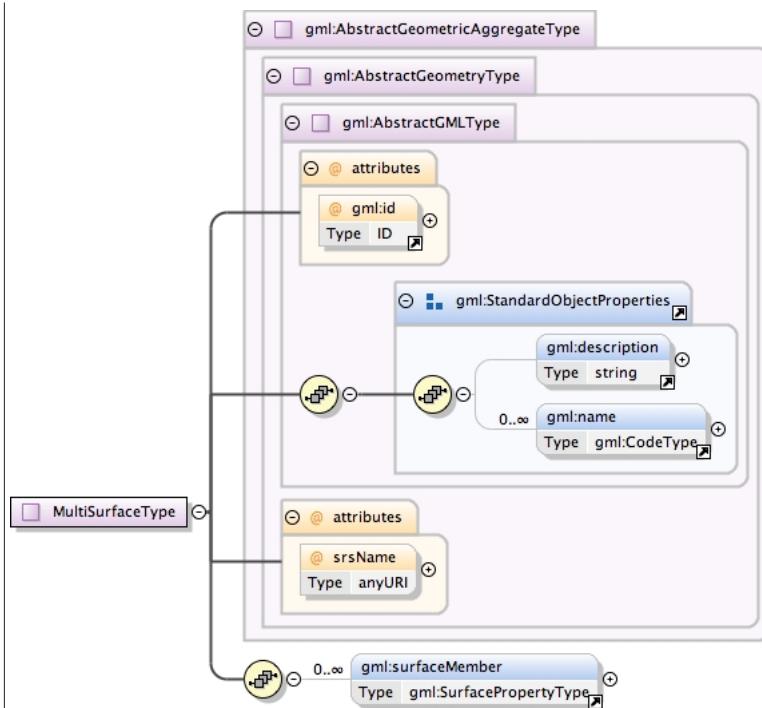
Complex Type gml:MultiCurvePropertyType

Namespace	http://www.opengis.net/gml
Annotations	A property that has a collection of curves as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Model	gml:MultiCurve
Children	gml:MultiCurve
Source	<pre><complexType name="MultiCurvePropertyType"> <annotation> <documentation>A property that has a collection of curves as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:MultiCurve" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:MultiSurfaceType

Namespace	http://www.opengis.net/gml
Annotations	A MultiSurface is defined by one or more Surfaces, referenced through surfaceMember elements.

Diagram



Type extension of `gml:AbstractGeometricAggregateType`

- Type hierarchy
- `gml:AbstractGMLType`
 - `gml:AbstractGeometryType`
 - `gml:AbstractGeometricAggregateType`
 - `gml:MultiSurfaceType`

Used by Element `gml:MultiSurface`

Model `gml:description{0,1}`, `gml:name*`, `gml:surfaceMember*`

Children `gml:description`, `gml:name`, `gml:surfaceMember`

Attributes	QName	Type	Fixed	Default	Use
	<code>gml:id</code>	ID			optional
		Data type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	<code>srsName</code>	anyURI			optional
		Description: In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			

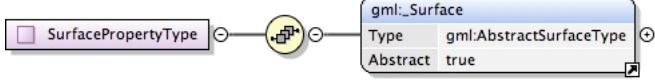
Source

```

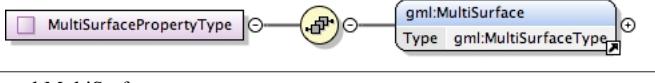
<complexType name="MultiSurfaceType">
  <annotation>
    <documentation>A MultiSurface is defined by one or more Surfaces, referenced through surfaceMember elements.</documentation>
  </annotation>
  <complexContent>
    <extension base="gml:AbstractGeometricAggregateType">
      <sequence>
        <element ref="gml:surfaceMember" minOccurs="0" maxOccurs="unbounded"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
  
```

	</complexContent> </complexType>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:SurfacePropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A property that has a surface as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Used by	Element gml:surfaceMember
Model	gml:_Surface
Children	gml:_Surface
Source	<pre><complexType name="SurfacePropertyType"> <annotation> <documentation>A property that has a surface as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:_Surface" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

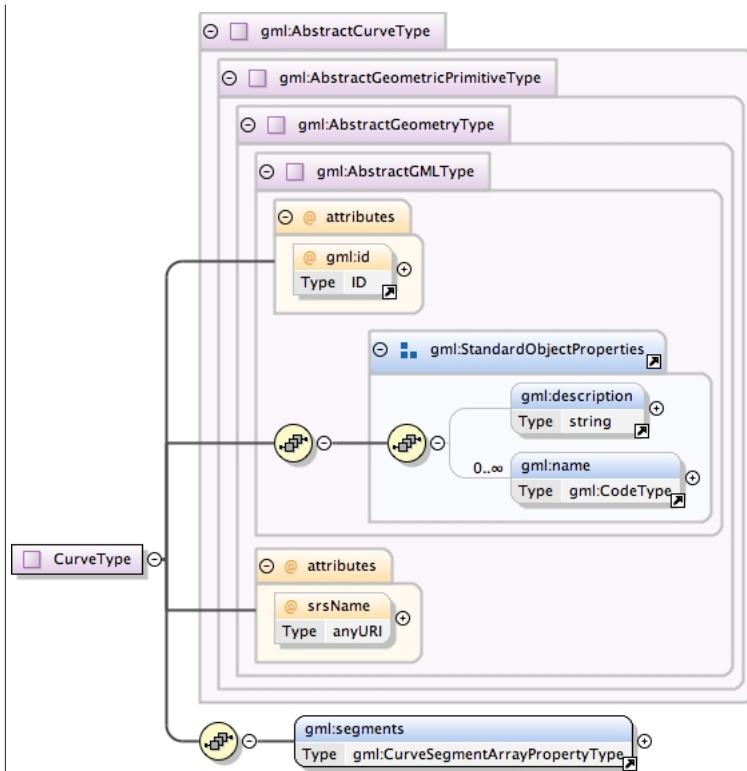
Complex Type **gml:MultiSurfacePropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A property that has a collection of surfaces as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Model	gml:MultiSurface
Children	gml:MultiSurface
Source	<pre><complexType name="MultiSurfacePropertyType"> <annotation> <documentation>A property that has a collection of surfaces as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:MultiSurface" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:CurveType**

Namespace	http://www.opengis.net/gml
Annotations	<p>Curve is a 1-dimensional primitive. Curves are continuous, connected, and have a measurable length in terms of the coordinate system.</p> <p>A curve is composed of one or more curve segments.</p> <p>The curve segments are connected to one another, with the end point of each segment except the last being the start point of the next segment in the segment list.</p> <p>The orientation of the curve is positive.</p>

Diagram



Type	extension of <code>gml:AbstractCurveType</code>
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Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometryType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometricPrimitiveType</code> • <code>gml:AbstractCurveType</code> • <code>gml:CurveType</code>
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Used by	Element <code>gml:Curve</code>
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Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:segments</code>
-------	----------------------------------------------------------------------------------------

Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:segments</code>
----------	----------------------------------------------------------------------------------

Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			

Source	<pre> <complexType name="CurveType"> <annotation> <documentation>Curve is a 1-dimensional primitive. Curves are continuous, connected, and have a measurable length in terms of the coordinate system. A curve is composed of one or more curve segments. The curve segments are connected to one another, with the end point of each segment except the last being the start point of the next segment in the segment list. The orientation of the curve is positive.</documentation> </pre>
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	<pre> </annotation> <complexContent> <extension base="gml:AbstractCurveType"> <sequence> <element ref="gml:segments"> <annotation> <documentation>This element encapsulates the segments of the curve.</documentation> </annotation> </element> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:CurveSegmentArrayPropertyType

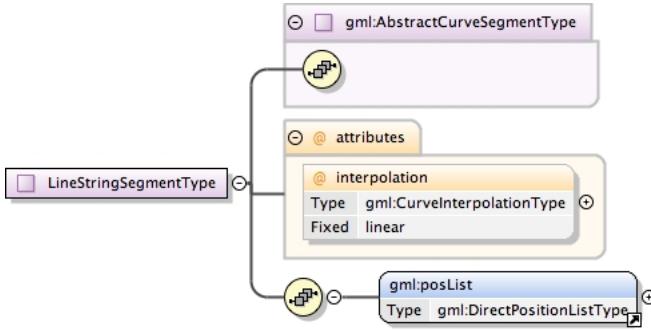
Namespace	http://www.opengis.net/gml
Annotations	A container for an array of curve segments.
Diagram	<p>The diagram shows a UML class named 'CurveSegmentArrayPropertyType' represented by a rectangle with a purple header. It has a multiplicity of '0..∞' at its end, connected to a circle with a plus sign. Inside the class, there is a compartment labeled 'gml:_CurveSegment' which contains another class named 'CurveSegment' with a multiplicity of '0..∞'. This indicates that 'CurveSegmentArrayPropertyType' contains multiple 'CurveSegment' objects. There is also a compartment labeled 'Type' containing 'gml:AbstractCurveSegmentType' and a checkbox labeled 'Abstract' which is checked.</p>
Used by	Element <code>gml:segments</code>
Model	<code>gml:_CurveSegment*</code>
Children	<code>gml:_CurveSegment</code>
Source	<pre> <complexType name="CurveSegmentArrayPropertyType"> <annotation> <documentation>A container for an array of curve segments.</documentation> </annotation> <sequence> <element ref="gml:_CurveSegment" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:AbstractCurveSegmentType

Namespace	http://www.opengis.net/gml
Annotations	Curve segment defines a homogeneous segment of a curve.
Diagram	<p>The diagram shows a UML class named 'AbstractCurveSegmentType' represented by a rectangle with a purple header. It has a multiplicity of '0..1' at its end, connected to a circle with a plus sign. There is also a checkbox labeled 'Abstract' which is checked.</p>
Properties	abstract: true
Used by	Element <code>gml:_CurveSegment</code> Complex Type <code>gml:LineStringSegmentType</code>
Model	
Source	<pre> <complexType name="AbstractCurveSegmentType" abstract="true"> <annotation> <documentation>Curve segment defines a homogeneous segment of a curve.</documentation> </annotation> <sequence/> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:LineStringSegmentType

Namespace	http://www.opengis.net/gml
Annotations	A LineStringSegment is a curve segment that is defined by two or more coordinate tuples, with linear interpolation between them. Note: LineStringSegment implements GM_LineString of ISO 19107.

Diagram																
Type	extension of <code>gml:AbstractCurveSegmentType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractCurveSegmentType</code> <ul style="list-style-type: none"> • <code>gml:LineStringSegmentType</code> 															
Used by	Element <code>gml:LineStringSegment</code>															
Model	<code>gml:posList</code>															
Children	<code>gml:posList</code>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>interpolation</td><td><code>gml:CurveInterpolationType</code></td><td>fixed</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	<code>gml:CurveInterpolationType</code>	fixed		optional		The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".			
QName	Type	Fixed	Default	Use												
interpolation	<code>gml:CurveInterpolationType</code>	fixed		optional												
	The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".															
Source	<pre><complexType name="LineStringSegmentType"> <annotation> <documentation>A LineStringSegment is a curve segment that is defined by two or more coordinate tuples, with linear interpolation between them. Note: LineStringSegment implements GM_LineString of ISO 19107.</documentation> </annotation> <complexContent> <extension base="gml:AbstractCurveSegmentType"> <sequence> <element ref="gml:posList"/> </sequence> <attribute name="interpolation" type="gml:CurveInterpolationType" fixed="linear"> <annotation> <documentation>The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</documentation> </annotation> </attribute> </extension> </complexContent> </complexType></pre>															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Complex Type `gml:AbstractSurfacePatchType`

Namespace	http://www.opengis.net/gml
Annotations	A surface patch defines a homogenous portion of a surface.
Diagram	
Properties	abstract: true
Used by	Element <code>gml:SurfacePatch</code> Complex Type <code>gml:PolygonPatchType</code>
Model	
Source	<pre><complexType name="AbstractSurfacePatchType" abstract="true"> <annotation></pre>

	<pre> <documentation>A surface patch defines a homogenous portion of a surface.</documentation> </annotation> <sequence/> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:SurfacePatchArrayPropertyType**

Namespace	http://www.opengis.net/gml
Annotations	A container for an array of surface patches.
Diagram	<pre> classDiagram class SurfacePatchArrayPropertyType class _SurfacePatch { <<Abstract>> <<Type gml:AbstractSurfacePatchType>> } SurfacePatchArrayPropertyType --o _SurfacePatch * "0..>" </pre>
Used by	Element gml:patches
Model	gml:_SurfacePatch*
Children	gml:_SurfacePatch
Source	<pre> <complexType name="SurfacePatchArrayPropertyType"> <annotation> <documentation>A container for an array of surface patches.</documentation> </annotation> <sequence> <element ref="gml:_SurfacePatch" minOccurs="0" maxOccurs="unbounded" /> </sequence> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type **gml:PolygonPatchType**

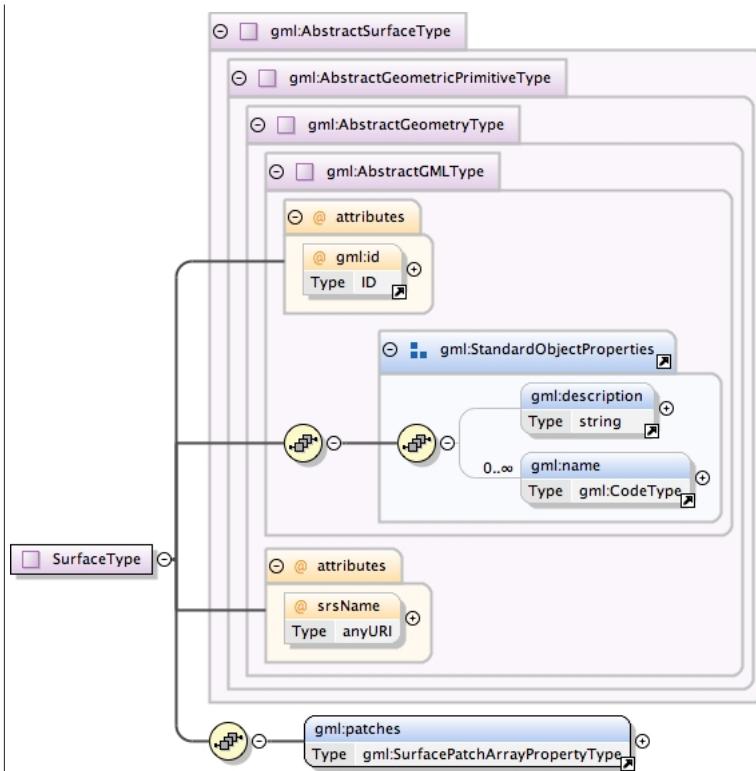
Namespace	http://www.opengis.net/gml															
Annotations	A PolygonPatch is a surface patch that is defined by a set of boundary curves and an underlying surface to which these curves adhere. The curves are coplanar and the polygon uses planar interpolation in its interior. Implements GM_Polygon of ISO 19107.															
Diagram	<pre> classDiagram class AbstractSurfacePatchType class PolygonPatchType { @interpolation Type SurfaceInterpolationType Fixed planar } PolygonPatchType --o AbstractSurfacePatchType PolygonPatchType --o exterior "0..>" PolygonPatchType --o interior "0..>" </pre>															
Type	extension of gml:AbstractSurfacePatchType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractSurfacePatchType • gml:PolygonPatchType 															
Used by	Element gml:PolygonPatch															
Model	gml:exterior{0,1}, gml:interior*															
Children	gml:exterior, gml:interior															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gml:SurfaceInterpolationType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:SurfaceInterpolationType			optional		The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches			
QName	Type	Fixed	Default	Use												
interpolation	gml:SurfaceInterpolationType			optional												
	The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches															

	QName	Type	Fixed	Default	Use
			are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.		
Source		<complexType name="PolygonPatchType"> <annotation> <documentation>A PolygonPatch is a surface patch that is defined by a set of boundary curves and an underlying surface to which these curves adhere. The curves are coplanar and the polygon uses planar interpolation in its interior. Implements GM_Polygon of ISO 19107.</documentation> </annotation> <complexContent> <extension base="gml:AbstractSurfacePatchType"> <sequence> <element ref="gml:exterior" minOccurs="0"/> <element ref="gml:interior" minOccurs="0" maxOccurs="unbounded"/> </sequence> <attribute name="interpolation" type="gml:SurfaceInterpolationType" fixed="planar"> <annotation> <documentation>The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.</documentation> </annotation> </attribute> </extension> </complexContent> </complexType>			
Schema location		http://www.tridas.org/1.2/gmlsf.xsd			

Complex Type gml:SurfaceType

Namespace	http://www.opengis.net/gml
Annotations	A Surface is a 2-dimensional primitive and is composed of one or more surface patches. The surface patches are connected to one another. The orientation of the surface is positive ("up"). The orientation of a surface chooses an "up" direction through the choice of the upward normal, which, if the surface is not a cycle, is the side of the surface from which the exterior boundary appears counterclockwise. Reversal of the surface orientation reverses the curve orientation of each boundary component, and interchanges the conceptual "up" and "down" direction of the surface. If the surface is the boundary of a solid, the "up" direction is usually outward. For closed surfaces, which have no boundary, the up direction is that of the surface patches, which must be consistent with one another. Its included surface patches describe the interior structure of the Surface.

Diagram



Type extension of gml:AbstractSurfaceType

- Type hierarchy
- gml:AbstractGMLType
 - gml:AbstractGeometryType
 - gml:AbstractGeometricPrimitiveType
 - gml:AbstractSurfaceType
 - gml:SurfaceType

Used by Element gml:Surface

Model gml:description{0,1} , gml:name* , gml:patches

Children gml:description, gml:name, gml:patches

Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			

Source

```

<complexType name="SurfaceType">
    <annotation>
        <documentation>A Surface is a 2-dimensional primitive and is composed of one or more surface patches. The surface patches are connected to one another. The orientation of the surface is positive ("up"). The orientation of a surface chooses an "up" direction through the choice of the upward normal, which, if the surface is not a cycle, is the side of the surface from which the exterior boundary appears counterclockwise. Reversal
    </annotation>

```

of the surface orientation reverses the curve orientation of each boundary component, and interchanges the conceptual "up" and "down" direction of the surface. If the surface is the boundary of a solid, the "up" direction is usually outward. For closed surfaces, which have no boundary, the up direction is that of the surface patches, which must be consistent with one another. Its included surface patches describe the interior structure of the Surface.</documentation>

```

</annotation>
<complexContent>
  <extension base="gml:AbstractSurfaceType">
    <sequence>
      <element ref="gml:patches">
        <annotation>
          <documentation>This element encapsulates the patches of the surface.</documentation>
        </annotation>
      </element>
    </sequence>
  </extension>
</complexContent>
</complexType>

```

Schema location	http://www.tridas.org/1.2/gmlsf.xsd
-----------------	---------------------------------------------------------------------------------------

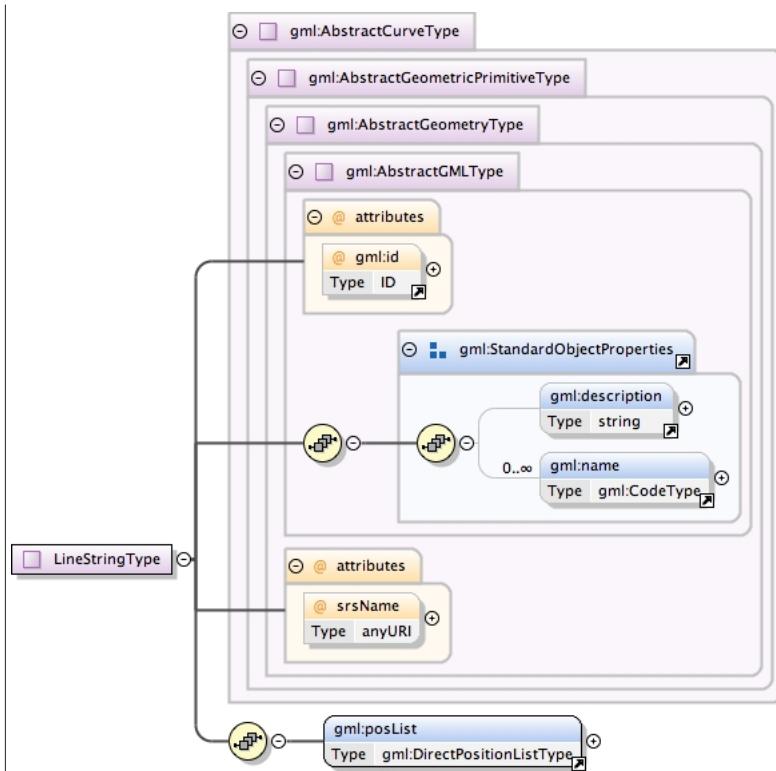
Complex Type gml:Geometry.PropertyType

Namespace	http://www.opengis.net/gml
Annotations	A geometric property shall contain any geometry element encapsulated in an element of this type.
Diagram	<pre> classDiagram class Geometry.PropertyType class gml__Geometry { attribute Type gml:AbstractGeometryType attribute Boolean Abstract } Geometry.PropertyType --> gml__Geometry </pre>
Model	gml:_Geometry
Children	gml:_Geometry
Source	<pre> <complexType name="Geometry.PropertyType"> <annotation> <documentation>A geometric property shall contain any geometry element encapsulated in an element of this type.</documentation> </annotation> <sequence> <element ref="gml:_Geometry"/> </sequence> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:LineStringType

Namespace	http://www.opengis.net/gml
Annotations	A LineString is a special curve that consists of a single segment with linear interpolation. It is defined by two or more coordinate tuples, with linear interpolation between them. It is backwards compatible with the LineString of GML 2.

Diagram



Type extension of `gml:AbstractCurveType`

Type hierarchy

- `gml:AbstractGMLType`
- `gml:AbstractGeometryType`
- `gml:AbstractGeometricPrimitiveType`
- `gml:AbstractCurveType`
- `gml:LineStringType`

Used by Element `gml:LineString`

Model `gml:description{0,1}`, `gml:name*`, `gml:posList`

Children `gml:description`, `gml:name`, `gml:posList`

Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
		Database handle for the object. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the <code>id</code> attribute.			
	srsName	anyURI			optional
		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no <code>srsName</code> attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			

Source

```

<complexType name="LineStringType">
  <annotation>
    <documentation>A LineString is a special curve that consists of a single segment with linear interpolation. It is defined by two or more coordinate tuples, with linear interpolation between them. It is backwards compatible with the LineString of GML 2.</documentation>
  </annotation>

```

	<pre> <complexContent> <extension base="gml:AbstractCurveType"> <sequence> <element ref="gml:posList"/> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:EnvelopeType

Namespace	http://www.opengis.net/gml															
Annotations	<p>Envelope defines an extent using a pair of positions defining opposite corners in arbitrary dimensions. The first direct position is the "lower corner" (a coordinate position consisting of all the minimal ordinates for each dimension for all points within the envelope), the second one the "upper corner" (a coordinate position consisting of all the maximal ordinates for each dimension for all points within the envelope).</p>															
Diagram	<pre> classDiagram class EnvelopeType { @srsName : anyURI lowerCorner : gml:DirectPositionType upperCorner : gml:DirectPositionType } </pre>															
Used by	Element gml:Envelope															
Model	gml:lowerCorner , gml:upperCorner															
Children	gml:lowerCorner, gml:upperCorner															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	srsName	anyURI			required		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.			
QName	Type	Fixed	Default	Use												
srsName	anyURI			required												
	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.															
Source	<pre> <complexType name="EnvelopeType"> <annotation> <documentation>Envelope defines an extent using a pair of positions defining opposite corners in arbitrary dimensions. The first direct position is the "lower corner" (a coordinate position consisting of all the minimal ordinates for each dimension for all points within the envelope), the second one the "upper corner" (a coordinate position consisting of all the maximal ordinates for each dimension for all points within the envelope).</documentation> </annotation> <sequence> <element name="lowerCorner" type="gml:DirectPositionType"/> <element name="upperCorner" type="gml:DirectPositionType"/> </sequence> <attribute name="srsName" type="anyURI" use="required"> <annotation> <documentation>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.</documentation> </annotation> </attribute> </complexType> </pre>															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Complex Type gml:AbstractFeatureType

Namespace	http://www.opengis.net/gml
Annotations	<p>An abstract feature provides a set of common properties, including id, name and description inherited from AbstractGMLType, plus boundedBy. A concrete feature type must derive from this type and specify additional properties</p>

	in an application schema.															
Diagram	<pre> classDiagram class AbstractFeatureType { <<extension of gml:AbstractFeatureBaseType>> } class gml:AbstractFeatureBaseType { <<@ attributes>> @ gml:id Type ID } class gml:AbstractGMLType { <<@ attributes>> @ gml:id Type ID } class gml:StandardObjectProperties { gml:description Type string gml:name 0..∞ gml:CodeType } class gml:boundedBy Type gml:BoundingShapeType AbstractFeatureType --> gml:AbstractFeatureBaseType gml:AbstractFeatureBaseType --> gml:AbstractGMLType gml:AbstractGMLType --> gml:StandardObjectProperties gml:AbstractFeatureBaseType --> gml:StandardObjectProperties gml:AbstractFeatureBaseType --> gml:boundedBy </pre>															
Type	extension of gml:AbstractFeatureBaseType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureBaseType • gml:AbstractFeatureType 															
Properties	abstract: true															
Used by	Element gml:_Feature															
Model	gml:description{0,1} , gml:name* , gml:boundedBy{0,1}															
Children	gml:boundedBy, gml:description, gml:name															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
QName	Type	Fixed	Default	Use												
gml:id	ID			required												
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.															
Source	<pre> <complexType name="AbstractFeatureType" abstract="true"> <annotation> <documentation>An abstract feature provides a set of common properties, including id, name and description inherited from AbstractGMLType, plus boundedBy. A concrete feature type must derive from this type and specify additional properties in an application schema.</documentation> </annotation> <complexContent> <extension base="gml:AbstractFeatureBaseType"> <sequence> <element ref="gml:boundedBy" minOccurs="0"/> <!-- additional properties must be specified in an application schema --> </sequence> </extension> </complexContent> </pre>															

	</complexType>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:AbstractFeatureBaseType`

Namespace	http://www.opengis.net/gml															
Annotations	A abstract feature base type, that shall include an identifying attribute ('id').															
Diagram	<pre> classDiagram class gml:AbstractGMLType { <<@ attributes>> <<@gml:id Type ID>> } class gml:StandardObjectProperties { <<gml:description Type string>> <<0..>> <<gml:name Type gml:CodeType>> } class gml:AbstractFeatureBaseType { <<@ attributes>> <<@gml:id Type ID>> } gml:AbstractGMLType < -- gml:AbstractFeatureBaseType gml:AbstractGMLType --> gml:StandardObjectProperties gml:AbstractFeatureBaseType --> gml:StandardObjectProperties </pre>															
Type	restriction of <code>gml:AbstractGMLType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureBaseType</code> 															
Used by	Complex Type <code>gml:AbstractFeatureType</code>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>															
Children	<code>gml:description</code> , <code>gml:name</code>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td></td> <td colspan="3">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
QName	Type	Fixed	Default	Use												
<code>gml:id</code>	ID			required												
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.														
Source	<pre> <complexType name="AbstractFeatureBaseType"> <annotation> <documentation>A abstract feature base type, that shall include an identifying attribute ('id').</documentation> </annotation> <complexContent> <restriction base="gml:AbstractGMLType"> <sequence> <group ref="gml:StandardObjectProperties"/> </sequence> <attribute ref="gml:id" use="required"/> </restriction> </complexContent> </complexType> </pre>															
Schema location	http://www.tridas.org/1.2/gmlsf.xsd															

Complex Type `gml:BoundingShapeType`

Namespace	http://www.opengis.net/gml
Annotations	Bounding shape.
Diagram	A UML diagram showing a directed association between <code>BoundingShapeType</code> and <code>gml:EnvelopeType</code> . The association is marked with a hollow circle at the <code>BoundingShapeType</code> end and a filled circle with a cross at the <code>gml:EnvelopeType</code> end, indicating aggregation.
Used by	Element <code>gml:boundedBy</code>
Model	<code>gml:Envelope</code>
Children	<code>gml:Envelope</code>
Source	<pre><complexType name="BoundingShapeType"> <annotation> <documentation>Bounding shape.</documentation> </annotation> <sequence> <element ref="gml:Envelope" /> </sequence> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type `gml:ReferenceType`

Namespace	http://www.opengis.net/gml																																																		
Annotations	A pattern or base for derived types used to specify complex types corresponding to a UML aggregation association. An instance of this type serves as a pointer to a remote Object.																																																		
Diagram	A UML diagram showing a directed association between <code>ReferenceType</code> and <code>gml:AssociationAttributeGroup</code> . The association is marked with a hollow circle at the <code>ReferenceType</code> end and a filled circle with a cross at the <code>gml:AssociationAttributeGroup</code> end, indicating aggregation. A note above the association indicates it has attributes.																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>xlink:actuate</code></td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> <p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p> </td></tr> <tr> <td><code>xlink:arcrole</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> <p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; its value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p> </td></tr> <tr> <td><code>xlink:title</code></td> <td>string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td>string</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>xlink:actuate</code>	restriction of string			optional		<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</p>				<code>xlink:arcrole</code>	anyURI			optional	<code>xlink:href</code>	anyURI			optional	<code>xlink:role</code>	anyURI			optional	<code>xlink:show</code>	restriction of string			optional		<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; its value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p>				<code>xlink:title</code>	string			optional	<code>xlink:type</code>	string	simple		optional
QName	Type	Fixed	Default	Use																																															
<code>xlink:actuate</code>	restriction of string			optional																																															
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<code>xlink:arcrole</code>	anyURI			optional																																															
<code>xlink:href</code>	anyURI			optional																																															
<code>xlink:role</code>	anyURI			optional																																															
<code>xlink:show</code>	restriction of string			optional																																															
	<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; its value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</p>																																																		
<code>xlink:title</code>	string			optional																																															
<code>xlink:type</code>	string	simple		optional																																															
Source	<pre><complexType name="ReferenceType"> <annotation> <documentation>A pattern or base for derived types used to specify complex types corresponding to a UML aggregation association. An instance of this type serves as a pointer to a remote Object.</documentation></pre>																																																		

	<pre></annotation> <attributeGroup ref="gml:AssociationAttributeGroup" /> </complexType></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Complex Type gml:MeasureType

Namespace	http://www.opengis.net/gml														
Annotations	Number with a scale. The value of uom (Units Of Measure) attribute is a reference to a Reference System for the amount, either a ratio or position scale.														
Diagram	<pre> classDiagram class MeasureType { <<double>> <<@attributes>> <<@uom>> } MeasureType < -- double </pre>														
Type	extension of double														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>uom</td> <td>anyURI</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	uom	anyURI			required
QName	Type	Fixed	Default	Use											
uom	anyURI			required											
Source	<pre> <complexType name="MeasureType"> <annotation> <documentation>Number with a scale. The value of uom (Units Of Measure) attribute is a reference to a Reference System for the amount, either a ratio or position scale.</documentation> </annotation> <simpleContent> <extension base="double"> <attribute name="uom" type="anyURI" use="required"/> </extension> </simpleContent> </complexType> </pre>														
Schema location	http://www.tridas.org/1.2/gmlsf.xsd														

Simple Types

Simple Type gml:doubleList

Namespace	http://www.opengis.net/gml				
Annotations	XML List based on XML Schema double type. An element of this type contains a space-separated list of double values				
Diagram	<pre> classDiagram class doubleList { <<double>> } doubleList --> double </pre>				
Type	list of double				
Used by	Complex Types gml:DirectPositionListType, gml:DirectPositionType				
Source	<pre> <simpleType name="doubleList"> <annotation> <documentation>XML List based on XML Schema double type. An element of this type contains a space-separated list of double values</documentation> </annotation> <list itemType="double" /> </simpleType> </pre>				
Schema location	http://www.tridas.org/1.2/gmlsf.xsd				

Simple Type gml:CurveInterpolationType

Namespace	http://www.opengis.net/gml				
Annotations	CurveInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an schema.				
Diagram	<pre> classDiagram class CurveInterpolationType { <<string>> } CurveInterpolationType --> string </pre>				

Type	restriction of string	
Facets	enumeration	linear
Used by	Attribute	gml:LineStringSegmentType/@interpolation
Source	<pre><simpleType name="CurveInterpolationType"> <annotation> <documentation>CurveInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an schema.</documentation> </annotation> <restriction base="string"> <enumeration value="linear"/> </restriction> </simpleType></pre>	
Schema location	http://www.tridas.org/1.2/gmlsf.xsd	

Simple Type gml:SurfaceInterpolationType

Namespace	http://www.opengis.net/gml	
Annotations	SurfaceInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an application schema.	
Diagram	<pre> classDiagram class SurfaceInterpolationType { <<SurfaceInterpolationType>> } class string { <<string>> } SurfaceInterpolationType "1" -- "0..1" string </pre>	
Type	restriction of string	
Facets	enumeration planar	
Used by	Attribute gml:PolygonPatchType/@interpolation	
Source	<pre><simpleType name="SurfaceInterpolationType"> <annotation> <documentation>SurfaceInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an application schema.</documentation> </annotation> <restriction base="string"> <enumeration value="planar"/> </restriction> </simpleType></pre>	
Schema location	http://www.tridas.org/1.2/gmlsf.xsd	

Simple Type gml:NCNameList

Namespace	http://www.opengis.net/gml	
Annotations	A set of values, representing a list of token with the lexical value space of NCName. The tokens are separated by whitespace.	
Diagram	<pre> classDiagram class NCNameList { <<NCNameList>> } class NCName { <<NCName>> } NCNameList "1" -- "0..1" NCName </pre>	
Type	list of NCName	
Source	<pre><simpleType name="NCNameList"> <annotation> <documentation>A set of values, representing a list of token with the lexical value space of NCName. The tokens are separated by whitespace.</documentation> </annotation> <list itemType="NCName"/> </simpleType></pre>	
Schema location	http://www.tridas.org/1.2/gmlsf.xsd	

Attributes

Attribute @gml:id

Namespace	http://www.opengis.net/gml	
Annotations	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML	

	and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.
Type	ID
Properties	content: simple
Used by	Complex Types gml:AbstractFeatureBaseType, gml:AbstractGMLType
Source	<pre><attribute name="id" type="ID"> <annotation> <documentation>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</documentation> </annotation> </attribute></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Element Groups

Element Group gml:StandardObjectProperties

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class StandardObjectProperties { gml:description "0..1" gml:name "0..>" } gml:description "0..1" gml:name "0..>" { Type gml:CodeType } </pre>
Used by	Complex Types gml:AbstractCurveType, gml:AbstractFeatureBaseType, gml:AbstractFeatureType, gml:AbstractGMLType, gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:AbstractGeometryType, gml:AbstractSurfaceType, gml:CurveType, gml:LineStringType, gml:LinearRingType, gml:MultiCurveType, gml:MultiPointType, gml:MultiSurfaceType, gml:PointType, gml:PolygonType, gml:SurfaceType
Model	gml:description{0,1}, gml:name*
Children	gml:description, gml:name
Source	<pre><group name="StandardObjectProperties"> <annotation> <documentation>This content model group makes it easier to construct types that derive from AbstractGMLType and its descendants "by restriction". A reference to the group saves having to enumerate the standard object properties.</documentation> </annotation> <sequence> <element ref="gml:description" minOccurs="0"/> <element ref="gml:name" minOccurs="0" maxOccurs="unbounded"> <annotation> <documentation>Multiple names may be provided. These will often be distinguished by being assigned by different authorities, as indicated by the value of the codeSpace attribute. In an instance document there will usually only be one name per authority.</documentation> </annotation> </element> </sequence> </group></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Attribute Groups

Attribute Group gml:AssociationAttributeGroup

Namespace	http://www.opengis.net/gml
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Diagram																																																			
Used by	Complex Type gml:ReferenceType																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:actuate</td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</td><td></td><td></td><td></td></tr> <tr> <td>xlink:arcrole</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</td><td></td><td></td><td></td></tr> <tr> <td>xlink:title</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>string</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:actuate	restriction of string			optional		The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				xlink:arcrole	anyURI			optional	xlink:href	anyURI			optional	xlink:role	anyURI			optional	xlink:show	restriction of string			optional		The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				xlink:title	string			optional	xlink:type	string	simple		optional
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xlink:type	string	simple		optional																																															
Source	<pre> <attributeGroup name="AssociationAttributeGroup"> <annotation> <documentation>Attribute group used to enable property elements to refer to their value remotely. It contains the simple link components from xlink.xsd, with all members optional. These attributes can be attached to any element, thus allowing it to act as a pointer.</documentation> </annotation> <attributeGroup ref="xlink:simpleLink"/> </attributeGroup> </pre>																																																		
Schema location	http://www.tridas.org/1.2/gmlsf.xsd																																																		

Namespace: ""**Attributes****Attribute controlledVoc/@normalStd**

Namespace	No namespace
Annotations	The name of the standard used to control this vocabulary
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="normalStd"> <xs:annotation> <xs:documentation xml:lang="EN">The name of the standard used to control this vocabulary</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute controlledVoc/@normalId

Namespace	No namespace
Annotations	The ID value in the standard dictionary corresponding to this entry
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="normalId"> <xs:annotation> <xs:documentation xml:lang="EN">The ID value in the standard dictionary corresponding to this entry</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute controlledVoc/@normal

Namespace	No namespace
Annotations	The normalised name for this entry
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="normal"> <xs:annotation> <xs:documentation xml:lang="EN">The normalised name for this entry</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute dateTime/@certainty

Namespace	No namespace
Type	certainty
Properties	use: optional
Facets	enumeration unknown, exact, approximately, after, before
Used by	Complex Type dateTime
Source	<pre><xs:attribute name="certainty" type="certainty" use="optional"/></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute date/@certainty

Namespace	No namespace
Type	certainty
Properties	use: optional
Facets	enumeration unknown, exact, approximately, after, before

Used by	Complex Type	date
Source	<xs:attribute name="certainty" type="certainty" use="optional"/>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute year/@certainty

Namespace	No namespace	
Type	certainty	
Properties	use:	optional
Facets	enumeration	unknown, exact, approximately, after, before
Used by	Complex Type	year
Source	<xs:attribute name="certainty" type="certainty" use="optional"/>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute year/@suffix

Namespace	No namespace	
Type	datingSuffix	
Properties	use:	required
Facets	enumeration	AD, BC, BP
Used by	Complex Type	year
Source	<xs:attribute name="suffix" use="required" type="datingSuffix"/>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute identifier/@domain

Namespace	No namespace	
Annotations	The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.	
Properties	use:	required
Used by	Element	identifier
Source	<xs:attribute name="domain" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.</xs:documentation> </xs:annotation> </xs:attribute>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute idRef/preferredSeries/linkSeries/@ref

Namespace	No namespace	
Type	xs:IDREF	
Properties	content:	simple
Used by	Element	linkSeries/preferredSeries/idRef
Source	<xs:attribute name="ref" type="xs:IDREF"/>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute idRef/linkSeries/@ref

Namespace	No namespace	
Type	xs:IDREF	
Properties	content:	simple

Used by	Element	linkSeries/idRef
Source		<xs:attribute name="ref" type="xs:IDREF" />
Schema location		http://www.tridas.org/1.2/tridas.xsd

Attribute gml:CodeType/@codeSpace

Namespace	No namespace	
Type	anyURI	
Properties	use: optional	
Used by	Complex Type	gml:CodeType
Source	<attribute name="codeSpace" type="anyURI" use="optional"/>	
Schema location	http://www.tridas.org/1.2/gmllsf.xsd	

Attribute gml:AbstractGeometryType/@srsName

Namespace	No namespace	
Annotations	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.	
Type	anyURI	
Properties	use: optional	
Used by	Complex Type	gml:AbstractGeometryType
Source	<attribute name="srsName" type="anyURI" use="optional"> <annotation> <documentation>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</documentation> </annotation> </attribute>	
Schema location	http://www.tridas.org/1.2/gmllsf.xsd	

Attribute genericField/@name

Namespace	No namespace	
Annotations	Name of the field.	
Properties	use: required	
Used by	Element	genericField
Source	<xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Name of the field.</xs:documentation> </xs:annotation> </xs:attribute>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute genericField/@type

Namespace	No namespace	
Annotations	The data type that this field contains.	
Type	restriction of xs:string	
Properties	use: optional	

Facets	enumeration	<code>xs:string, xs:boolean, xs:integer, xs:float, xs:date, xs:dateTime, xs:duration</code>
Used by	Element	genericField
Source		<pre><xs:attribute name="type" use="optional"> <xs:annotation> <xs:documentation>The data type that this field contains.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="xs:string"/> <xs:enumeration value="xs:boolean"/> <xs:enumeration value="xs:integer"/> <xs:enumeration value="xs:float"/> <xs:enumeration value="xs:date"/> <xs:enumeration value="xs:dateTime"/> <xs:enumeration value="xs:duration"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute name/laboratory/@acronym

Namespace	No namespace
Annotations	Acronym of the laboratory.
Properties	use: optional
Used by	Element laboratory/name
Source	<pre><xs:attribute name="acronym" use="optional"> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute category/@normalTridas

Namespace	No namespace
Annotations	TRiDaS controlled vocabulary of research categories.
Type	normalTridasCategory
Properties	content: simple
Facets	enumeration
Used by	Element category
Source	<pre><xs:attribute name="normalTridas" type="normalTridasCategory"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary of research categories.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute shape/@normalTridas

Namespace	No namespace
Type	normalTridasShape
Properties	content: simple
Facets	enumeration Whole section, Half section, Third section, Quarter section, Wedge where radius is smaller than circumference, Wedge where radius equals the circumference, Wedge where radius is bigger than the circumference, Beam straightened on one side, Squared beam from whole section, Squared beam from half section, Squared beam from quarter section, Plank cut on one side, Radial plank through pith, Radial plank up to pith, Tangential

		plank not including pith with breadth larger than a quarter section, Plank not including pith with breadth smaller than a quarter section, Small part of section, Part of undetermined section, Unknown
Used by	Element	shape
Source	<xs:attribute name="normalTridas" type="normalTridasShape" />	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute unit/@normalTridas

Namespace	No namespace	
Type	normalTridasUnit	
Properties	content: simple	
Facets	enumeration	micrometres, 1/100th millimetres, 1/10th millimetres, millimetres, centimetres, metres
Used by	Element	unit
Source	<xs:attribute name="normalTridas" type="normalTridasUnit" />	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute pith/@presence

Namespace	No namespace	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration	unknown, not applicable, absent, complete, incomplete
Used by	Element	pith
Source	<xs:attribute name="presence" use="required" type="complexPresenceAbsence" />	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute heartwood/@presence

Namespace	No namespace	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration	unknown, not applicable, absent, complete, incomplete
Used by	Element	heartwood
Source	<xs:attribute name="presence" use="required" type="complexPresenceAbsence" />	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute lastRingUnderBark/@presence

Namespace	No namespace	
Type	presenceAbsence	
Properties	use: required	
Facets	enumeration	present, absent
Used by	Element	lastRingUnderBark
Source	<xs:attribute name="presence" type="presenceAbsence" use="required" />	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute sapwood/@presence

Namespace	No namespace
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Annotations	Whether the sapwood is present or not	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration unknown, not applicable, absent, complete, incomplete	
Used by	Element sapwood	
Source	<pre><xs:attribute name="presence" use="required" type="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Whether the sapwood is present or not</ xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute bark/@presence

Namespace	No namespace
Type	presenceAbsence
Properties	use: required
Facets	enumeration present, absent
Used by	Element bark
Source	<pre><xs:attribute name="presence" use="required" type="presenceAbsence" /></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute measuringMethod/@normalTridas

Namespace	No namespace
Annotations	TRiDaS controlled vocabulary for the method of measuring.
Type	normalTridasMeasuringMethod
Properties	content: simple
Facets	enumeration Measuring platform, Hand lens and graticule
Used by	Element measuringMethod
Source	<pre><xs:attribute name="normalTridas" type="normalTridasMeasuringMethod"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for the method of measuring.</ xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute variable/@normalTridas

Namespace	No namespace
Type	normalTridasVariable
Properties	content: simple
Facets	enumeration Ring width, Earlywood width, Latewood width, Ring density, Earlywood density, Latewood density, Maximum density, Latewood percent
Used by	Element variable
Source	<pre><xs:attribute name="normalTridas" type="normalTridasVariable" /></pre>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute remark/@normalTridas

Namespace	No namespace
Annotations	TRiDaS controlled vocabulary for specific remarks.

Type	normalTridasRemark	
Properties	content: simple	
Facets	enumeration	Fire damage, Frost damage, Crack, False ring(s), Compression wood, Tension wood, Traumatic ducts, Unspecified injury
Used by	Element	remark
Source	<pre><xs:attribute name="normalTridas" type="normalTridasRemark"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for specific remarks.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute value/@value

Namespace	No namespace	
Annotations	<p>A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</p>	
Type	xs:string	
Properties	use:	required
Used by	Element	value
Source	<pre><xs:attribute name="value" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute value/@index

Namespace	No namespace	
Annotations	Alphanumeric code to identify the sequential position of the value, e.g. nr1001, nr1002	
Type	xs:string	
Properties	use:	required
Used by	Element	value
Source	<pre><xs:attribute name="index" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">Alphanumeric code to identify the sequential position of the value, e.g. nr1001, nr1002</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	http://www.tridas.org/1.2/tridas.xsd	

Attribute value/@count

Namespace	No namespace	
Annotations	Optional field to denote how many underlying values went to create this value in a derivedSeries	
Type	xs:integer	
Properties	use:	optional
Used by	Element	value
Source	<pre><xs:attribute name="count" type="xs:integer" use="optional"> <xs:annotation> <xs:documentation xml:lang="EN">Optional field to denote how many underlying values went to create this value in a derivedSeries</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Schema location	http://www.tridas.org/1.2/tridas.xsd
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Attribute baseSeries/@id

Namespace	No namespace
Type	xs:ID
Properties	content: simple
Used by	Complex Type baseSeries
Source	<code><xs:attribute name="id" type="xs:ID"/></code>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute measurementSeries/@id

Namespace	No namespace
Type	xs:ID
Properties	content: simple
Used by	Element measurementSeries
Source	<code><xs:attribute name="id" type="xs:ID"/></code>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute measurementSeriesPlaceholder/@id

Namespace	No namespace
Type	xs:ID
Properties	use: required
Used by	Element measurementSeriesPlaceholder
Source	<code><xs:attribute name="id" type="xs:ID" use="required"/></code>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute derivedSeries/@id

Namespace	No namespace
Type	xs:ID
Properties	content: simple
Used by	Element derivedSeries
Source	<code><xs:attribute name="id" type="xs:ID"/></code>
Schema location	http://www.tridas.org/1.2/tridas.xsd

Attribute gml:LineStringSegmentType/@interpolation

Namespace	No namespace
Annotations	The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".
Type	gml:CurveInterpolationType
Properties	fixed: linear
Facets	enumeration linear
Used by	Complex Type gml:LineStringSegmentType
Source	<code><attribute name="interpolation" type="gml:CurveInterpolationType" fixed="linear"></code> <code><annotation></code>

	<pre> <documentation>The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</documentation> </annotation> </attribute></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Attribute gml:PolygonPatchType/@interpolation

Namespace	No namespace
Annotations	The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.
Type	gml:SurfaceInterpolationType
Properties	fixed: planar
Facets	enumeration planar
Used by	Complex Type gml:PolygonPatchType
Source	<pre> <attribute name="interpolation" type="gml:SurfaceInterpolationType" fixed="planar"> <annotation> <documentation>The attribute "interpolation" specifies the interpolation mechanism used for this surface patch. Currently only planar surface patches are defined in GML 3, the attribute is fixed to "planar", i.e. the interpolation method shall return points on a single plane. The boundary of the patch shall be contained within that plane.</documentation> </annotation> </attribute></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Attribute gml:EnvelopeType/@srsName

Namespace	No namespace
Annotations	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.
Type	anyURI
Properties	use: required
Used by	Complex Type gml:EnvelopeType
Source	<pre> <attribute name="srsName" type="anyURI" use="required"> <annotation> <documentation>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to.</documentation> </annotation> </attribute></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd

Attribute gml:MeasureType/@uom

Namespace	No namespace
Type	anyURI
Properties	use: required
Used by	Complex Type gml:MeasureType
Source	<pre> <attribute name="uom" type="anyURI" use="required"/></pre>
Schema location	http://www.tridas.org/1.2/gmlsf.xsd