

Schema documentation for tridas.xsd

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Namespace: "http://www.tridas.org/1.1"

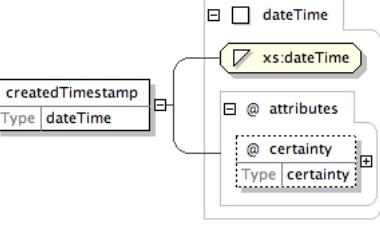
Schemas

Main schema tridas.xsd

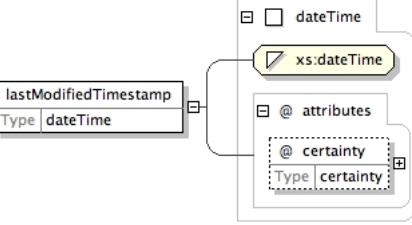
Namespace	http://www.tridas.org/1.1
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Elements

Element createdTimestamp

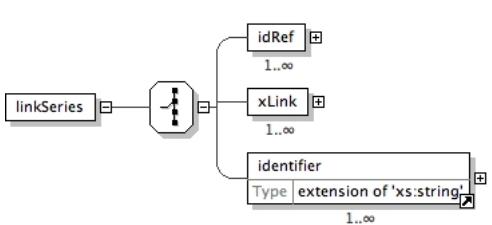
Namespace	http://www.tridas.org/1.1										
Diagram											
Type	dateTime										
Properties	content: complex										
Used by	Elements derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <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	<xs:element name="createdTimestamp" type="dateTime" />										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element lastModifiedTimestamp

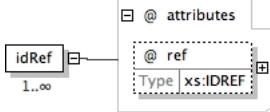
Namespace	http://www.tridas.org/1.1										
Diagram											
Type	dateTime										
Properties	content: complex										
Used by	Elements derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <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	<xs:element name="lastModifiedTimestamp" type="dateTime" />										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element linkSeries

Namespace	http://www.tridas.org/1.1
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Diagram	
Properties	content: complex
Used by	Elements datingReference, derivedSeries, element, object
Model	idRef+ xLink+ identifier+
Children	idRef, identifier, xLink
Instance	<pre><linkSeries> <idRef ref="">{1,unbounded}</idRef> <xLink xlink:href="">{1,unbounded}</xLink> <identifier domain="">{1,unbounded}</identifier> </linkSeries></pre>
Source	<pre><xs:element name="linkSeries"> <xs:complexType> <xs:choice> <xs:element name="idRef" maxOccurs="unbounded"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element> <xs:element name="xLink" maxOccurs="unbounded"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element> <xs:element ref="identifier" maxOccurs="unbounded" /> </xs:choice> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element linkSeries/idRef

Namespace	http://www.tridas.org/1.1														
Diagram															
Properties	content: complex maxOccurs: unbounded														
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" maxOccurs="unbounded"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element></pre>														
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd														

Element linkSeries/xLink

Namespace	http://www.tridas.org/1.1				
Diagram					
Properties	content: complex				

	maxOccurs:	unbounded			
Attributes	QName	Type	Fixed	Default	Use
	xlink:href	anyURI			optional
Source	<xs:element name="xLink" maxOccurs="unbounded"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element identifier

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram class identifier { <<extension of xs:string>> @domain @normal } xs:string identifier < -- xs:string </pre>				
Type	extension of xs:string				
Properties	content: complex				
Used by	Elements	derivedSeries, element, laboratory, linkSeries, measurementSeries, object, project, radius, research, sample			
Attributes	QName	Type	Fixed	Default	Use
	domain				required
Source	<xs:element name="identifier"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="domain" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element type

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram class type { <<controlledVoc>> @normalStd @normalId @normal } controlledVoc type < -- controlledVoc </pre>				
Type	controlledVoc				
Properties	content: complex				
Used by	Elements	derivedSeries, element, object, project, sample, statFoundation			
Attributes	QName	Type	Fixed	Default	Use
	normal				optional
	normalId				optional
	normalStd				optional
Source	<xs:element name="type" type="controlledVoc" />				

Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd
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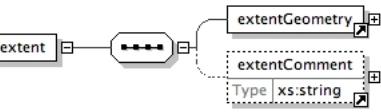
Element description

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Elements element, object, project, research, sample
Source	<xs:element name="description" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

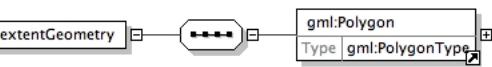
Element title

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Elements derivedSeries, element, measurementSeries, object, project, radius, sample
Source	<xs:element name="title" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element extent

Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex
Used by	Element derivedSeries
Model	extentGeometry , extentComment{0,1}
Children	extentComment, extentGeometry
Instance	<extent> <extentGeometry>{1,1}</extentGeometry> <extentComment>{0,1}</extentComment> </extent>
Source	<xs:element name="extent"> <xs:complexType> <xs:sequence> <xs:element ref="extentGeometry" /> <xs:element ref="extentComment" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element extentGeometry

Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex
Used by	Element extent

Model	gml:Polygon
Children	gml:Polygon
Instance	<pre><extentGeometry> <gml:Polygon gml:id="" srsName="">{1,1}</gml:Polygon> </extentGeometry></pre>
Source	<pre><x:element name="extentGeometry"> <x:complexType> <x:sequence> <x:element ref="gml:Polygon" /> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element extentComment

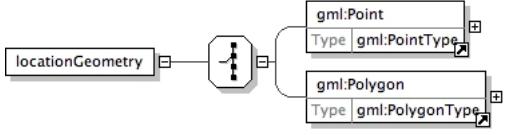
Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class extentComment { <<xs:string>> } </pre>
Type	xs:string
Properties	content: simple
Used by	Element extent
Source	<pre><x:element name="extentComment" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element location

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class location { locationGeometry locationType locationPrecision locationComment } </pre>
Properties	content: complex
Used by	Elements element, object
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><x:element name="location"> <x:complexType> <x:sequence> <x:element ref="locationGeometry" /> <x:element ref="locationType" minOccurs="0" /> <x:element ref="locationPrecision" minOccurs="0" /> <x:element ref="locationComment" minOccurs="0" /> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element locationGeometry

Namespace	http://www.tridas.org/1.1
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Diagram	
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:complexType> <xs:choice> <xs:element ref="gml:Point" /> <xs:element ref="gml:Polygon" /> </xs:choice> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element locationType

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xs:element name="locationType" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element locationPrecision

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xs:element name="locationPrecision" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element locationComment

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xs:element name="locationComment" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element file

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> graph TD file[file] --> attr_xlink_href[xlink:href] attr_xlink_href --> attr_attributes["@ attributes"] attr_attributes --- annotations["@ attributes"] </pre>				
Properties	content: complex				
Used by	Elements element, object, project, sample				
Attributes	QName	Type	Fixed	Default	Use
	xlink:href	anyURI			required
Source	<pre> <xs:element name="file"> <xs:complexType> <xs:attribute ref="xlink:href" use="required"/> </xs:complexType> </xs:element> </pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element genericField

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> graph LR genericField[genericField Type extension of 'xs:string'] --> xsString[xs:string] xsString -.-> attributes["@ attributes"] attributes --- name["@ name"] attributes --- type["@ type"] </pre>				
Type	extension of xs:string				
Properties	content: complex				
Used by	Elements derivedSeries, element, measurementSeries, object, project, radius, sample				
Attributes	QName	Type	Fixed	Default	Use
	name				required
	type				optional
Source	<pre> <xs:element name="genericField"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="name" use="required"/> <xs:attribute name="type" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element tridas

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> graph LR tridas[tridas] --> project[project] project -- 1..∞ --> tridas </pre>				
Properties	content: complex				
Model	project+				
Children	project				
Instance	<tridas>				

	<pre><project>{1,unbounded}</project> </tridas></pre>
Source	<pre><xss:element name="tridas"> <xss:complexType> <xss:sequence> <xss:element ref="project" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element project

Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex
Used by	Element tridas
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , type+ , description{0,1} , file* , laboratory+ , category , investigator , period , requestDate{0,1} , commissioner{0,1} , reference* , research* , genericField* , object* , derivedSeries*

Children	category, 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> <type normal="" normalId="" normalStd="">{1,unbounded}</type> <description>{0,1}</description> <file xlink:href="">{0,unbounded}</file> <laboratory>{1,unbounded}</laboratory> <category normal="" normalId="" normalStd="" normalTridas="">{1,1}</category> <investigator>{1,1}</investigator> <period>{1,1}</period> <requestDate certainty="">{0,1}</requestDate> <commissioner>{0,1}</commissioner> <reference>{0,unbounded}</reference> <research>{0,unbounded}</research> <genericField name="" type="">{0,unbounded}</genericField> <object>{0,unbounded}</object> <derivedSeries id="">{0,unbounded}</derivedSeries> </project></pre>
Source	<pre> <xs:element name="project"> <xs:complexType> <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="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:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element laboratory

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class laboratory { identifier name place country } identifier "Type extension of 'xs:string'" name "Type extension of 'xs:string'" place "Type xs:string" country "Type xs:string" </pre>
Properties	content: complex
Used by	Element project
Model	identifier{0,1} , name , place , country
Children	country, identifier, name, place
Instance	<pre> <laboratory> <identifier domain="">{0,1}</identifier> <name acronym="">{1,1}</name> <place>{1,1}</place> <country>{1,1}</country> </laboratory></pre>

Source	<pre><xss:element name="laboratory"> <xss:complexType> <xss:sequence> <xss:element ref="identifier" minOccurs="0" /> <xss:element ref="name" /> <xss:element ref="place" /> <xss:element ref="country" /> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element name

Namespace	http://www.tridas.org/1.1				
Diagram					
Type	extension of xs:string				
Properties	content: complex				
Used by	Element laboratory				
Attributes	QName	Type	Fixed	Default	Use
	acronym				optional
Source	<pre><xss:element name="name"> <xss:complexType> <xss:simpleContent> <xss:extension base="xs:string"> <xss:attribute name="acronym" use="optional" /> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element place

Namespace	http://www.tridas.org/1.1				
Diagram					
Type	xs:string				
Properties	content: simple				
Used by	Element laboratory				
Source	<pre><xss:element name="place" type="xs:string" /></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element country

Namespace	http://www.tridas.org/1.1				
Diagram					
Type	xs:string				
Properties	content: simple				
Used by	Element laboratory				
Source	<pre><xss:element name="country" type="xs:string" /></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element category

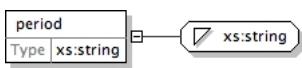
Namespace	http://www.tridas.org/1.1																									
Diagram	<pre> classDiagram category < -- controlledVoc category "extension of 'controlledVoc'" category @normalStd category @normalId category @normal category restriction(xs:string) category restriction(value="") </pre>																									
Type	extension of controlledVoc																									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																									
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>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalTridas</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional	normalStd				optional	normalTridas	restriction of xs:string			optional
QName	Type	Fixed	Default	Use																						
normal				optional																						
normalId				optional																						
normalStd				optional																						
normalTridas	restriction of xs:string			optional																						
Source	<pre> <xs:element name="category"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																									

Element investigator

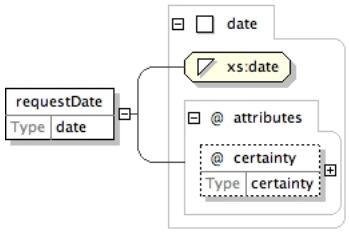
Namespace	http://www.tridas.org/1.1
Diagram	<pre> investigator < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre> <xs:element name="investigator" type="xs:string"/> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element period

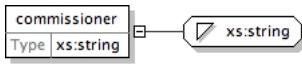
Namespace	http://www.tridas.org/1.1
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Diagram	
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<xs:element name="period" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

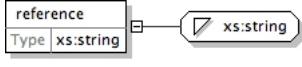
Element requestDate

Namespace	http://www.tridas.org/1.1				
Diagram					
Type	date				
Properties	content: complex				
Used by	Element project				
Attributes	QName	Type	Fixed	Default	Use
	certainty	certainty			optional
Source	<xs:element name="requestDate" type="date" />				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element commissioner

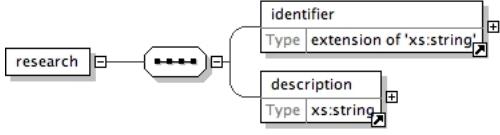
Namespace	http://www.tridas.org/1.1				
Diagram					
Type	xs:string				
Properties	content: simple				
Used by	Element project				
Source	<xs:element name="commissioner" type="xs:string" />				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element reference

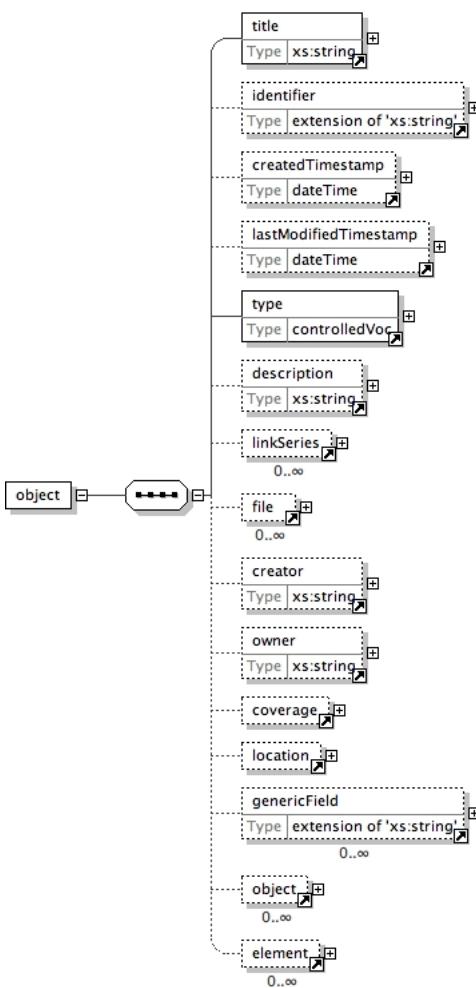
Namespace	http://www.tridas.org/1.1				
Diagram					
Type	xs:string				
Properties	content: simple				
Used by	Element project				
Source	<xs:element name="reference" type="xs:string" />				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element research

Namespace	http://www.tridas.org/1.1				
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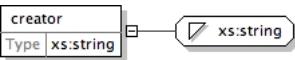
Diagram	
Properties	content: complex
Used by	Element project
Model	identifier , description
Children	description, identifier
Instance	<pre><research> <identifier domain="">{1,1}</identifier> <description>{1,1}</description> </research></pre>
Source	<pre><xs:element name="research"> <xs:complexType> <xs:sequence> <xs:element ref="identifier" /> <xs:element ref="description" /> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element object

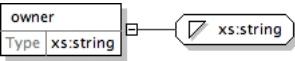
Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex

Used by	Elements object, project
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , type , description{0,1} , linkSeries* , file* , creator{0,1} , owner{0,1} , coverage{0,1} , location{0,1} , genericField* , object* , element*
Children	coverage, createdTimestamp, creator, description, element, file, genericField, identifier, lastModifiedTimestamp, linkSeries, location, object, owner, title, type
Instance	<object> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <type normal="" normalId="" normalStd="">{1,1}</type> <description>{0,1}</description> <linkSeries>{0,unbounded}</linkSeries> <file xlink:href="">{0,unbounded}</file> <creator>{0,1}</creator> <owner>{0,1}</owner> <coverage>{0,1}</coverage> <location>{0,1}</location> <genericField name="" type="">{0,unbounded}</genericField> <object>{0,unbounded}</object> <element>{0,unbounded}</element> </object>
Source	<xs:element name="object"> <xs:complexType> <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="type"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="linkSeries" minOccurs="0" maxOccurs="unbounded"/> <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:complexType> </xs:element>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element creator

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element object
Source	<xs:element name="creator" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element owner

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element object

Source	<xss:element name="owner" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element coverage

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class coverage { <<coverage>> <<coverageTemporal>>{1,1}</coverageTemporal> <<coverageTemporalFoundation>>{1,1}</coverageTemporalFoundation> } class coverageTemporal { Type xs:string } class coverageTemporalFoundation { Type xs:string } coverage "3" --> coverageTemporal coverage "3" --> coverageTemporalFoundation </pre>
Properties	content: complex
Used by	Element object
Model	coverageTemporal , coverageTemporalFoundation
Children	coverageTemporal, coverageTemporalFoundation
Instance	<coverage> <coverageTemporal>{1,1}</coverageTemporal> <coverageTemporalFoundation>{1,1}</coverageTemporalFoundation> </coverage>
Source	<xss:element name="coverage"> <xss:complexType> <xss:sequence> <xss:element ref="coverageTemporal" /> <xss:element ref="coverageTemporalFoundation" /> </xss:sequence> </xss:complexType> </xss:element>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element coverageTemporal

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class coverageTemporal { Type xs:string } class xsString { } coverageTemporal --> xsString </pre>
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<xss:element name="coverageTemporal" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

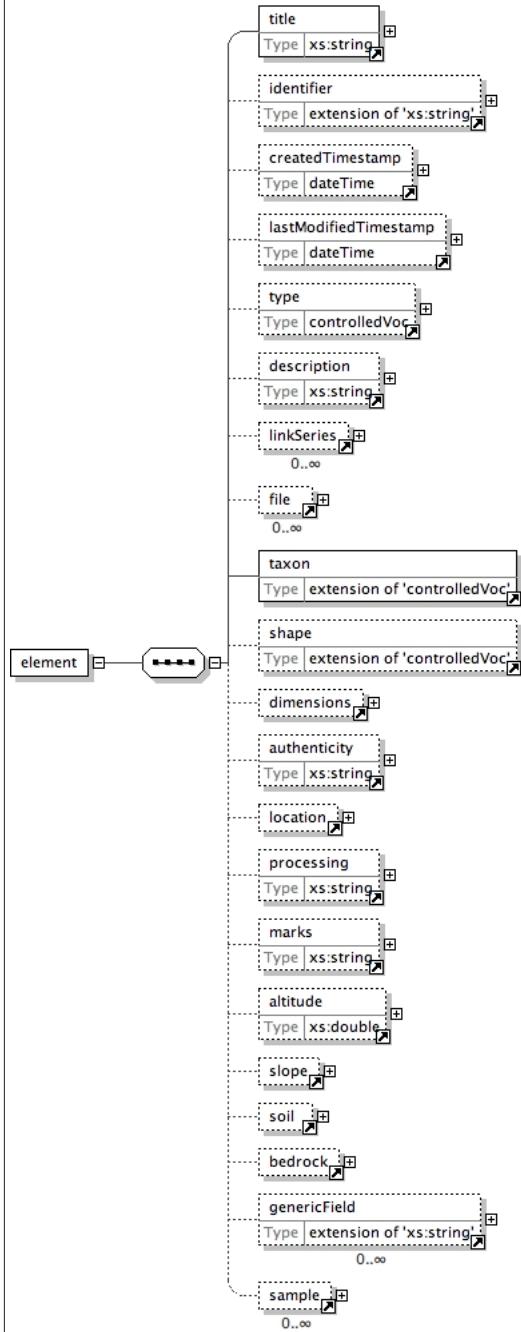
Element coverageTemporalFoundation

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class coverageTemporalFoundation { Type xs:string } class xsString { } coverageTemporalFoundation --> xsString </pre>
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<xss:element name="coverageTemporalFoundation" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element element

Namespace	http://www.tridas.org/1.1
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Diagram



Properties	content: complex
Used by	Element object
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , type{0,1} , description{0,1} , linkSeries* , 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, 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> <type normal="" normalId="" normalStd="">{0,1}</type> <description>{0,1}</description> <linkSeries>{0,unbounded}</linkSeries> <file xlink:href="">{0,unbounded}</file> <taxon normal="" normalId="" normalStd="" normalTridas="">{1,1}</taxon> </pre>

	<pre> <shape normal="" normalId="" normalStd="" normalTridas="">{0,1}</shape> <dimensions>{0,1}</dimensions> <authenticity>{0,1}</authenticity> <location>{0,1}</location> <processing>{0,1}</processing> <marks>{0,1}</marks> <altitude>{0,1}</altitude> <slope>{0,1}</slope> <soil>{0,1}</soil> <bedrock>{0,1}</bedrock> <genericField name="" type="">{0,unbounded}</genericField> <sample>{0,unbounded}</sample> </element> </pre>
Source	<pre> <xs:element name="element"> <xs:complexType> <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="type" minOccurs="0" /> <xs:element ref="description" minOccurs="0" /> <xs:element ref="linkSeries" minOccurs="0" maxOccurs="unbounded" /> <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:complexType> </xs:element> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element taxon

Namespace	http://www.tridas.org/1.1															
Diagram																
Type	extension of controlledVoc															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 															
Properties	content: complex															
Used by	Element element															
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>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional
QName	Type	Fixed	Default	Use												
normal				optional												
normalId				optional												

	QName	Type	Fixed	Default	Use
	normalStd				optional
	normalTridas	restriction of xs:string			optional
Source	<xs:element name="taxon"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element shape

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram class shape { <<Type extension of 'controlledVoc'>> <<@ attributes @ normalStd : xs:string, @ normalId : xs:string, @ normal : xs:string, @ normalTridas : restriction of 'xs:string'>> } controlledVoc < -- shape xs:string < -- normalStd xs:string < -- normalId xs:string < -- normal xs:string < -- normalTridas </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
	normalId				optional
	normalStd				optional
	normalTridas	restriction of xs:string			optional
Source	<xs:element name="shape"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>				

Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd
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Element dimensions

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class dimensions class unit { <<extension of 'controlledVoc'>> } class diameter { Type xs:decimal } class height { Type xs:decimal } class width { Type xs:decimal } class depth { Type xs:decimal } dimensions "1..1" --> "1..1" unit unit "*" --> "1..1" diameter unit "*" --> "1..1" height unit "*" --> "1..1" height unit "*" --> "1..1" width unit "*" --> "1..1" depth </pre>
Properties	content: complex
Used by	Element element
Model	unit , ((diameter , height) (height , width , depth))
Children	depth, diameter, height, unit, width
Instance	<pre> <dimensions> <unit normal="" normalId="" normalStd="" normalTridas="">{1,1}</unit> </dimensions> </pre>
Source	<pre> <xs:element name="dimensions"> <xs:complexType> <xs:sequence> <xs:element ref="unit"/> <xs:choice> <xs:sequence> <xs:element name="diameter" type="xs:decimal"/> <xs:element name="height" type="xs:decimal"/> </xs:sequence> <xs:sequence> <xs:element name="height" type="xs:decimal"/> <xs:element name="width" type="xs:decimal"/> <xs:element name="depth" type="xs:decimal"/> </xs:sequence> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element unit

Namespace	http://www.tridas.org/1.1
Diagram	<pre> class Diagram class controlledVoc class unit { <<extension of 'controlledVoc'>> } class xsString { checked } class Attribute { @normalStd @normalId @normal @normalTridas } controlledVoc "*" --> "1..1" unit unit "*" --> "1..1" xsString unit "*" --> "1..1" Attribute Attribute "*" --> "1..1" xsString </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	QName	Type	Fixed	Default	Use
	normal				optional
	normalId				optional
	normalStd				optional
	normalTridas	restriction of xs:string			optional
Source	<pre><xs:element name="unit"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <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> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element dimensions/diameter

Namespace	http://www.tridas.org/1.1	
Diagram	<pre> classDiagram class diameter { <<Type xs:decimal>> } diameter "1" -- "2" xs:decimal </pre>	
Type	xs:decimal	
Properties	content: simple	
Source	<pre><xs:element name="diameter" type="xs:decimal" /></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Element dimensions/height

Namespace	http://www.tridas.org/1.1	
Diagram	<pre> classDiagram class height { <<Type xs:decimal>> } height "1" -- "2" xs:decimal </pre>	
Type	xs:decimal	
Properties	content: simple	
Source	<pre><xs:element name="height" type="xs:decimal" /></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Element dimensions/width

Namespace	http://www.tridas.org/1.1	
Diagram	<pre> classDiagram class width { <<Type xs:decimal>> } width "1" -- "2" xs:decimal </pre>	
Type	xs:decimal	

Properties	content: simple
Source	<xs:element name="width" type="xs:decimal" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element dimensions/depth

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR depth[depth] --> xsDecimal[xs:decimal] subgraph Type [Type] xsDecimal end </pre>
Type	xs:decimal
Properties	content: simple
Source	<xs:element name="depth" type="xs:decimal" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element authenticity

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR authenticity[authenticity] --> xsString[xs:string] subgraph Type [Type] xsString end </pre>
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<xs:element name="authenticity" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element processing

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR processing[processing] --> xsString[xs:string] subgraph Type [Type] xsString end </pre>
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<xs:element name="processing" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element marks

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR marks[marks] --> xsString[xs:string] subgraph Type [Type] xsString end </pre>
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<xs:element name="marks" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element altitude

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR altitude[altitude] --> xsDouble[xs:double] subgraph Type [Type] xsDouble end </pre>

Type	xs:double
Properties	content: simple
Used by	Element element
Source	<xs:element name="altitude" type="xs:double"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element slope

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class slope { angle : xs:integer azimuth : xs:integer } </pre>
Properties	content: complex
Used by	Element element
Model	angle{0,1} , azimuth{0,1}
Children	angle, azimuth
Instance	<slope> <angle>{0,1}</angle> <azimuth>{0,1}</azimuth> </slope>
Source	<xs:element name="slope"> <xs:complexType> <xs:sequence> <xs:element name="angle" type="xs:integer" minOccurs="0"/> <xs:element name="azimuth" type="xs:integer" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element slope/angle

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class angle { <> xs:integer } </pre>
Type	xs:integer
Properties	content: simple minOccurs: 0
Source	<xs:element name="angle" type="xs:integer" minOccurs="0"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element slope/azimuth

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class azimuth { <> xs:integer } </pre>
Type	xs:integer
Properties	content: simple minOccurs: 0
Source	<xs:element name="azimuth" type="xs:integer" minOccurs="0"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element soil

Namespace	http://www.tridas.org/1.1
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Diagram	
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:complexType> <xs:sequence> <xs:element name="description" type="xs:string" minOccurs="0"/> <xs:element name="depth" type="xs:double" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element soil/description

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre><xs:element name="description" type="xs:string" minOccurs="0"/></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element soil/depth

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:double
Properties	content: simple minOccurs: 0
Source	<pre><xs:element name="depth" type="xs:double" minOccurs="0"/></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element bedrock

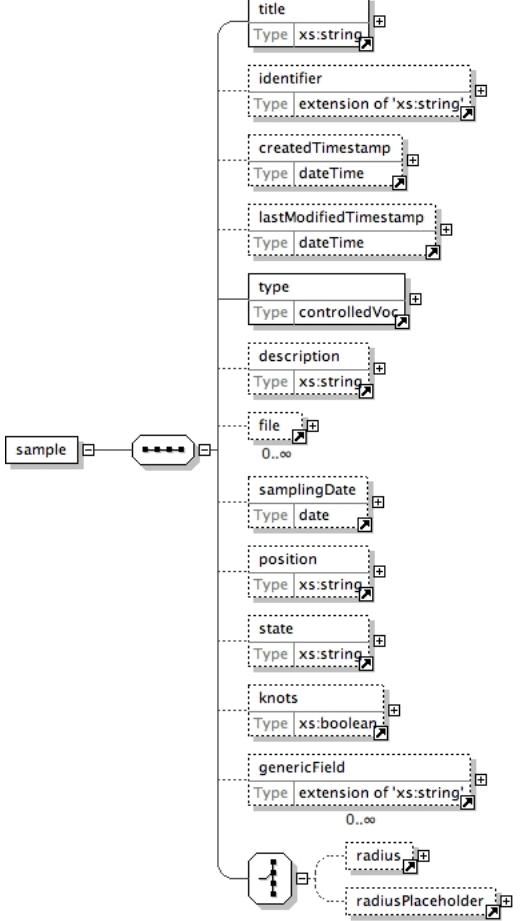
Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex
Used by	Element element
Model	description{0,1}
Children	description

Instance	<pre><bedrock> <description>{0,1}</description> </bedrock></pre>
Source	<pre><x:element name="bedrock"> <x:complexType> <x:sequence> <x:element name="description" type="xs:string" minOccurs="0" /> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element bedrock/description

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre><x:element name="description" type="xs:string" minOccurs="0" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element sample

Namespace	http://www.tridas.org/1.1
Diagram	
Properties	content: complex
Used by	Element element

Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , type , description{0,1} , file* , samplingDate{0,1} , position{0,1} , state{0,1} , knots{0,1} , genericField* , (radius{0,1} radiusPlaceholder{0,1})
Children	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> <type normal="" normalId="" normalStd="">{1,1}</type> <description>{0,1}</description> <file xlink:href="">{0,unbounded}</file> <samplingDate certainty="">{0,1}</samplingDate> <position>{0,1}</position> <state>{0,1}</state> <knots>{0,1}</knots> <genericField name="" type="">{0,unbounded}</genericField> </sample></pre>
Source	<pre><xs:element name="sample"> <xs:complexType> <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="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" /> <xs:element ref="radiusPlaceholder" minOccurs="0" /> </xs:choice> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element samplingDate

Namespace	http://www.tridas.org/1.1										
Diagram	<pre> classDiagram class SamplingDate { date } class xsdate { <<xs:date>> } class attributes { @ attributes } class certainty { @ certainty } SamplingDate "1" -- "0..1" attributes attributes "*" -- "1..1" 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" /></pre>										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element position

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class position { xs:string } </pre>

Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<xs:element name="position" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

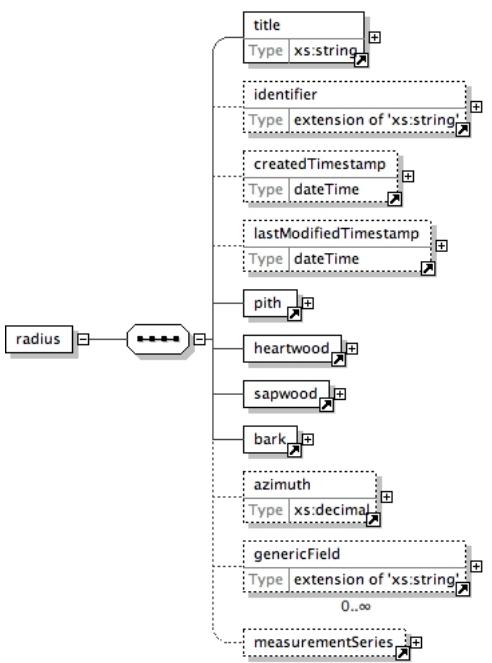
Element state

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<xs:element name="state" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element knots

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:boolean
Properties	content: simple
Used by	Element sample
Source	<xs:element name="knots" type="xs:boolean" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element radius

Namespace	http://www.tridas.org/1.1
Diagram	

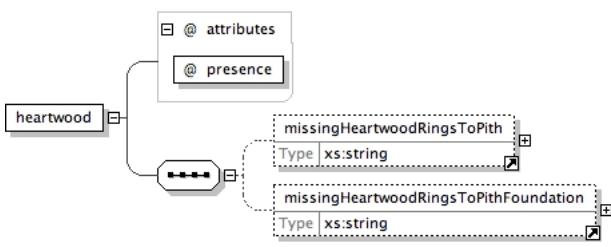
Properties	content: complex
Used by	Element sample
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , pith , heartwood , sapwood , bark , azimuth{0,1} , genericField* , measurementSeries*
Children	azimuth, bark, createdTimestamp, genericField, heartwood, identifier, lastModifiedTimestamp, measurementSeries, pith, sapwood, title
Instance	<pre><radius> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <pith presence="">{1,1}</pith> <heartwood presence="">{1,1}</heartwood> <sapwood presence="">{1,1}</sapwood> <bark presence="">{1,1}</bark> <azimuth>{0,1}</azimuth> <genericField name="" type="">{0,unbounded}</genericField> <measurementSeries id="">{0,unbounded}</measurementSeries> </radius></pre>
Source	<pre><xs:element name="radius"> <xs:complexType> <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="pith"/> <xs:element ref="heartwood"/> <xs:element ref="sapwood"/> <xs:element ref="bark"/> <xs:element ref="azimuth" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="measurementSeries" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element pith

Namespace	http://www.tridas.org/1.1														
Diagram	<pre> classDiagram class pith { @ attributes @ presence Type restriction of 'xs:string' } </pre>														
Properties	content: complex														
Used by	Element radius														
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>restriction of xs:string</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	presence	restriction of xs:string			required
QName	Type	Fixed	Default	Use											
presence	restriction of xs:string			required											
Source	<pre><xs:element name="pith"> <xs:complexType> <xs:attribute name="presence" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element></pre>														
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd														

Element heartwood

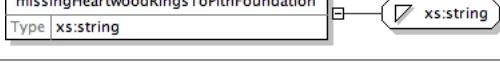
Namespace	http://www.tridas.org/1.1
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Diagram											
Properties	content: complex										
Used by	Element radius										
Model	missingHeartwoodRingsToPith{0,1} , missingHeartwoodRingsToPithFoundation{0,1}										
Children	missingHeartwoodRingsToPith, missingHeartwoodRingsToPithFoundation										
Instance	<pre><heartwood presence=""> <missingHeartwoodRingsToPith>{0,1}</missingHeartwoodRingsToPith> <missingHeartwoodRingsToPithFoundation>{0,1}</missingHeartwoodRingsToPithFoundation> </heartwood></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></td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence				required
QName	Type	Fixed	Default	Use							
presence				required							
Source	<pre><xss:element name="heartwood"> <xss:complexType> <xss:sequence> <xss:element ref="missingHeartwoodRingsToPith" minOccurs="0"/> <xss:element ref="missingHeartwoodRingsToPithFoundation" minOccurs="0"/> </xss:sequence> <xss:attribute name="presence" use="required"/> </xss:complexType> </xss:element></pre>										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element missingHeartwoodRingsToPith

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element heartwood
Source	<pre><xss:element name="missingHeartwoodRingsToPith" type="xs:string"/></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

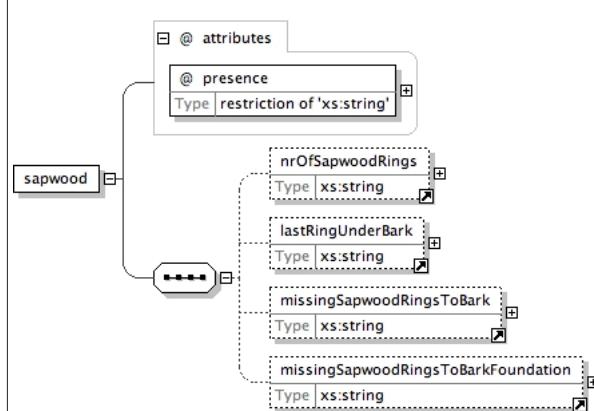
Element missingHeartwoodRingsToPithFoundation

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element heartwood
Source	<pre><xss:element name="missingHeartwoodRingsToPithFoundation" type="xs:string"/></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element sapwood

Namespace	http://www.tridas.org/1.1
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Diagram



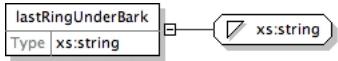
Properties	content: complex				
Used by	Element radius				
Model	nrOfSapwoodRings{0,1} , lastRingUnderBark{0,1} , missingSapwoodRingsToBark{0,1} , missingSapwoodRingsToBarkFoundation{0,1}				
Children	lastRingUnderBark, missingSapwoodRingsToBark, missingSapwoodRingsToBarkFoundation, nrOfSapwoodRings				
Instance	<sapwood presence=""> <nrOfSapwoodRings>{0,1}</nrOfSapwoodRings> <lastRingUnderBark>{0,1}</lastRingUnderBark> <missingSapwoodRingsToBark>{0,1}</missingSapwoodRingsToBark> <missingSapwoodRingsToBarkFoundation>{0,1}</missingSapwoodRingsToBarkFoundation> </sapwood>				
Attributes	QName	Type	Fixed	Default	Use
	presence	restriction of xs:string			required
Source	<x:element name="sapwood"> <x:complexType> <x:sequence> <x:element ref="nrOfSapwoodRings" minOccurs="0"/> <x:element ref="lastRingUnderBark" minOccurs="0"/> <x:element ref="missingSapwoodRingsToBark" minOccurs="0"/> <x:element ref="missingSapwoodRingsToBarkFoundation" minOccurs="0"/> </x:sequence> <x:attribute name="presence" use="required"> <x:simpleType> <x:restriction base="xs:string"> <x:enumeration value="not applicable"/> <x:enumeration value="absent"/> <x:enumeration value="complete"/> <x:enumeration value="incomplete"/> </x:restriction> </x:simpleType> </x:attribute> </x:complexType> </x:element>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element nrOfSapwoodRings

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<x:element name="nrOfSapwoodRings" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element lastRingUnderBark

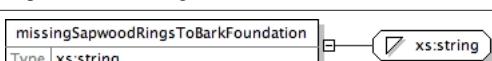
Namespace	http://www.tridas.org/1.1
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Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<xs:element name="lastRingUnderBark" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

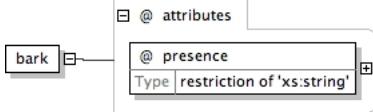
Element missingSapwoodRingsToBark

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<xs:element name="missingSapwoodRingsToBark" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element missingSapwoodRingsToBarkFoundation

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sapwood
Source	<xs:element name="missingSapwoodRingsToBarkFoundation" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element bark

Namespace	http://www.tridas.org/1.1										
Diagram											
Properties	content: complex										
Used by	Element radius										
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>restriction of xs:string</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	restriction of xs:string			required
QName	Type	Fixed	Default	Use							
presence	restriction of xs:string			required							
Source	<pre> <xs:element name="bark"> <xs:complexType> <xs:attribute name="presence" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>										

Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd
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Element azimuth

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class azimuth { attribute xs:decimal } </pre>
Type	xs:decimal
Properties	content: simple
Used by	Element radius
Source	<xs:element name="azimuth" type="xs:decimal"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element measurementSeries

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class measurementSeries { attribute @id xs:ID attribute title xs:string attribute identifier extension of xs:string attribute createdTimestamp dateTime attribute lastModifiedTimestamp dateTime attribute analyst xs:string attribute dendrochronologist xs:string attribute measuringMethod controlledVoc attribute comments xs:string attribute usage xs:string attribute usageComments xs:string attribute interpretation xs:string attribute interpretationUnsolved xs:string attribute genericField extension of xs:string attribute values xs:string } </pre>
Properties	content: complex
Used by	Element radius
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , analyst{0,1} , dendrochronologist{0,1} , measuringMethod , comments{0,1} , usage{0,1} , usageComments* , (interpretation interpretationUnsolved) , genericField* , values*

Children	analyst, comments, createdTimestamp, dendrochronologist, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, measuringMethod, title, usage, usageComments, values										
Instance	<pre><measurementSeries id=""> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <analyst>{0,1}</analyst> <dendrochronologist>{0,1}</dendrochronologist> <measuringMethod normal="" normalId="" normalStd="" normalTridas="">{1,1}</measuringMethod> <comments>{0,1}</comments> <usage>{0,1}</usage> <usageComments>{0,unbounded}</usageComments> <genericField name="" type="">{0,unbounded}</genericField> <values>{0,unbounded}</values> </measurementSeries></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="measurementSeries"> <xs:complexType> <xs:sequence maxOccurs="unbounded"> <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="analyst" minOccurs="0" /> <xs:element ref="dendrochronologist" minOccurs="0" /> <xs:element ref="measuringMethod" /> <xs:element ref="comments" minOccurs="0" /> <xs:element ref="usage" minOccurs="0" /> <xs:element ref="usageComments" minOccurs="0" maxOccurs="unbounded" /> <xs:choice minOccurs="0"> <xs:element ref="interpretation" /> <xs:element ref="interpretationUnsolved" /> </xs:choice> <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:complexType> </xs:element></pre>										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element analyst

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR analyst[analyst] --> xsString[xs:string] subgraph Type [Type] xsString end </pre>
Type	xs:string
Properties	content: simple
Used by	Element measurementSeries
Source	<pre><xs:element name="analyst" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element dendrochronologist

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR dendrochronologist[dendrochronologist] --> xsString[xs:string] subgraph Type [Type] xsString end </pre>
Type	xs:string
Properties	content: simple
Used by	Element measurementSeries
Source	<pre><xs:element name="dendrochronologist" type="xs:string" /></pre>

Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd
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Element measuringMethod

Namespace	http://www.tridas.org/1.1																									
Diagram	<pre> classDiagram class measuringMethod { <<extension of 'controlledVoc'>> } class controlledVoc { <<xs:string>> } controlledVoc < -- measuringMethod controlledVoc { <<@ attributes>> normalStd : solid line normalId : dashed line normal : dotted line normalTridas : dash-dot line } </pre>																									
Type	extension of controlledVoc																									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																									
Properties	content: complex																									
Used by	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>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalTridas</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional	normalStd				optional	normalTridas	restriction of xs:string			optional
QName	Type	Fixed	Default	Use																						
normal				optional																						
normalId				optional																						
normalStd				optional																						
normalTridas	restriction of xs:string			optional																						
Source	<pre> <xs:element name="measuringMethod"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																									

Element comments

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class comments { <<xs:string>> } </pre>
Type	xs:string
Properties	content: simple
Used by	Elements derivedSeries, measurementSeries
Source	<pre> <xs:element name="comments" type="xs:string" /> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element usage

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR usage[usage Type xs:string] --> xsString[xs:string] </pre>
Type	xs:string
Properties	content: simple
Used by	Elements derivedSeries, measurementSeries
Source	<xs:element name="usage" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element usageComments

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR usageComments[usageComments Type xs:string] --> xsString[xs:string] </pre>
Type	xs:string
Properties	content: simple
Used by	Elements derivedSeries, measurementSeries
Source	<xs:element name="usageComments" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element interpretation

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR interpretation[interpretation] --> firstYear[firstYear Type year] interpretation --> datingReference[datingReference Type xs:string] interpretation --> statFoundation[statFoundation Type xs:string 0..oo] 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	Elements derivedSeries, measurementSeries
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	<xs:element name="interpretation">

	<pre> <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	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element firstYear

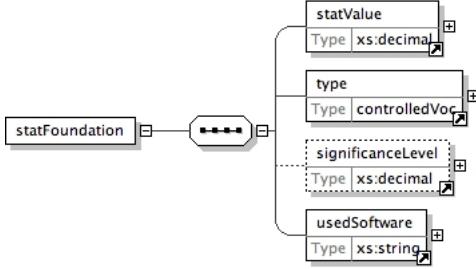
Namespace	http://www.tridas.org/1.1															
Diagram	<pre> classDiagram class firstYear { Type year } class year { xs:positiveInteger @ attributes @ certainty Type certainty @ suffix Type restriction of 'xs:string' } firstYear "2" --> "2" firstYear : year </pre>															
Type	year															
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>restriction of xs:string</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	restriction of xs:string			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	restriction of xs:string			required												
Source	<xs:element name="firstYear" type="year" />															
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd															

Element datingReference

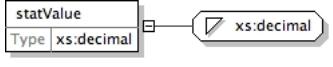
Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class datingReference class linkSeries datingReference "2" --> "2" datingReference : linkSeries </pre>
Properties	content: complex
Used by	Element interpretation
Model	linkSeries
Children	linkSeries
Instance	<datingReference> <linkSeries>{1,1}</linkSeries> </datingReference>
Source	<xs:element name="datingReference"> <xs:complexType> <xs:sequence> <xs:element ref="linkSeries" /> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element statFoundation

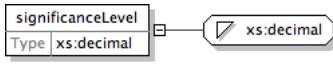
Namespace	http://www.tridas.org/1.1
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Diagram	
Properties	content: complex
Used by	Element interpretation
Model	statValue , type , significanceLevel{0,1} , usedSoftware
Children	significanceLevel, statValue, type, usedSoftware
Instance	<pre><statFoundation> <statValue>{1,1}</statValue> <type normal="" normalId="" normalStd="">{1,1}</type> <significanceLevel>{0,1}</significanceLevel> <usedSoftware>{1,1}</usedSoftware> </statFoundation></pre>
Source	<pre><xs:element name="statFoundation"> <xs:complexType> <xs:sequence> <xs:element ref="statValue" /> <xs:element ref="type" /> <xs:element ref="significanceLevel" minOccurs="0" /> <xs:element ref="usedSoftware" /> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element statValue

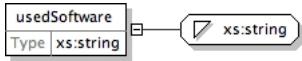
Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre><xs:element name="statValue" type="xs:decimal" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element significanceLevel

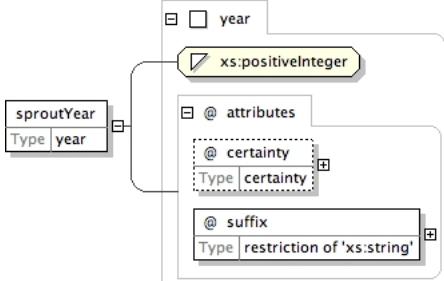
Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre><xs:element name="significanceLevel" type="xs:decimal" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element usedSoftware

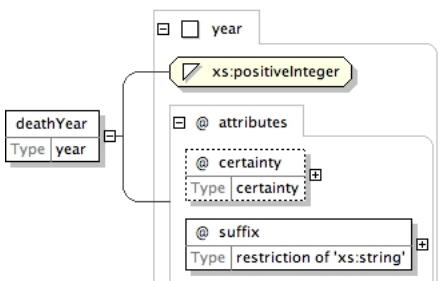
Namespace	http://www.tridas.org/1.1
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Diagram	
Type	xs:string
Properties	content: simple
Used by	Elements interpretation, statFoundation
Source	<xs:element name="usedSoftware" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element sproutYear

Namespace	http://www.tridas.org/1.1																			
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>restriction of xs:string</td><td></td><td></td><td>required</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	restriction of xs:string			required
QName	Type	Fixed	Default	Use																
certainty	certainty			optional																
suffix	restriction of xs:string			required																
Source	<xs:element name="sproutYear" type="year"/>																			
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																			

Element deathYear

Namespace	http://www.tridas.org/1.1																			
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>restriction of xs:string</td><td></td><td></td><td>required</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	restriction of xs:string			required
QName	Type	Fixed	Default	Use																
certainty	certainty			optional																
suffix	restriction of xs:string			required																
Source	<xs:element name="deathYear" type="year"/>																			
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																			

Element provenance

Namespace	http://www.tridas.org/1.1
Diagram	 <pre> classDiagram class provenance { <<provenance>> Type xs:string } provenance "1" -- "1" xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element interpretation
Source	<code><xs:element name="provenance" type="xs:string" /></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element interpretationUnsolved

Namespace	http://www.tridas.org/1.1
Diagram	 <pre> classDiagram class interpretationUnsolved { <<xs:string>> } interpretationUnsolved < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Elements derivedSeries, measurementSeries
Source	< xs:element name="interpretationUnsolved" type="xs:string" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element values

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram values <--> variable : Type extension of 'controlledVoc' values <--> unit : Type extension of 'controlledVoc' values <--> value : multiplicity 1..* variable < --> unitless unit < --> unitless value < --> unitless value < --> value </pre>
Properties	content: complex
Used by	Elements derivedSeries, measurementSeries
Model	((variable , unit) unitless) , value+
Children	unit, unitless, value, variable
Instance	<pre> <values> <variable normal="" normalId="" normalStd="" normalTridas="">{1,1}</variable> <unit normal="" normalId="" normalStd="" normalTridas="">{1,1}</unit> <unitless>{1,1}</unitless> <value count="" index="" value="">{1,unbounded}</value> </values> </pre>
Source	<pre> <xs:element name="values"> <xs:complexType> <xs:sequence> <xs:choice> <xs:sequence> <xs:element ref="variable"/> <xs:element ref="unit"/> </xs:sequence> <xs:element ref="unitless"/> </xs:choice> <xs:element ref="value" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element variable

Namespace	http://www.tridas.org/1.1																									
Diagram	<pre> classDiagram variable <-- extension of controlledVoc variable { <-- xs:string <-- @ attributes <-- @ normalStd <-- @ normalId <-- @ normal } variable { <-- @ attributes <-- @ normalTridas <-- restriction of xs:string } </pre>																									
Type	extension of controlledVoc																									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																									
Properties	content: complex																									
Used by	Element 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>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalTridas</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional	normalStd				optional	normalTridas	restriction of xs:string			optional
QName	Type	Fixed	Default	Use																						
normal				optional																						
normalId				optional																						
normalStd				optional																						
normalTridas	restriction of xs:string			optional																						
Source	<pre> <xs:element name="variable"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <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> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																									

Element unitless

Namespace	http://www.tridas.org/1.1
Diagram	<pre> unitless </pre>
Properties	content: complex
Used by	Element values
Source	<pre> <xs:element name="unitless"> <xs:complexType/> </xs:element> </pre>

Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd
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Element value

Namespace	http://www.tridas.org/1.1																								
Diagram	<pre> classDiagram class value { @ value xs:string @ index xs:string @ count xs:integer } class remark { <-- extension of controlledVoc } value --> remark </pre>																								
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>index</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td>value</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	count	xs:integer			optional	index	xs:string			required	value	xs:string			required
QName	Type	Fixed	Default	Use																					
count	xs:integer			optional																					
index	xs:string			required																					
value	xs:string			required																					
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:attribute name="index" type="xs:string" use="required"/> <xs:attribute name="count" type="xs:integer" use="optional"/> </xs:complexType> </xs:element> </pre>																								
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																								

Element remark

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram class remark { @ normalStd @ normalId @ normal } class controlledVoc { <-- extension of controlledVoc } controlledVoc --> remark controlledVoc @> normalTridas : restriction of xs:string </pre>				
Type	extension of controlledVoc				
Type hierarchy	<ul style="list-style-type: none"> • xs:string 				

	<ul style="list-style-type: none"> controlledVoc 																									
Properties	content: complex																									
Used by	Element value																									
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>normalId</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>normalStd</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>normalTridas</td><td>restriction of xs:string</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional	normalStd				optional	normalTridas	restriction of xs:string			optional
QName	Type	Fixed	Default	Use																						
normal				optional																						
normalId				optional																						
normalStd				optional																						
normalTridas	restriction of xs:string			optional																						
Source	<pre><xs:element name="remark"> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas"> <xs:simpleType> <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> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																									

Element radiusPlaceholder

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class radiusPlaceholder class measurementSeriesPlaceholder radiusPlaceholder --o measurementSeriesPlaceholder </pre>
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:complexType> <xs:sequence> <xs:element ref="measurementSeriesPlaceholder" /> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element measurementSeriesPlaceholder

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class measurementSeriesPlaceholder { @ attributes @ id Type xs:ID } </pre>
Properties	content: complex

Used by	radiusPlaceholder				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:ID			required
Source	<xs:element name="measurementSeriesPlaceholder"> <xs:complexType> <xs:attribute name="id" type="xs:ID" use="required"/> </xs:complexType> </xs:element>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Element derivedSeries

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class derivedSeries { @ id : xs:ID title : xs:string identifier : extension of xs:string createdTimestamp : dateTime lastModifiedTimestamp : dateTime type : controlledVoc linkSeries : 1..∞ objective : xs:string standardizingMethod : xs:string author : xs:string version : xs:string comments : xs:string usage : xs:string usageComments : xs:string, 0..∞ interpretation : xs:string interpretationUnsolved : xs:string extent : xs:string genericField : extension of xs:string, 0..∞ values : xs:string, 0..∞ } </pre>
Properties	content: complex

Used by	Element project										
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , type , linkSeries+ , objective{0,1} , standardizingMethod{0,1} , author{0,1} , version{0,1} , comments{0,1} , usage{0,1} , usageComments* , (interpretation interpretationUnsolved) , extent{0,1} , genericField* , values*										
Children	author, comments, createdTimestamp, extent, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, linkSeries, objective, standardizingMethod, title, type, usage, usageComments, 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> <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> <comments>{0,1}</comments> <usage>{0,1}</usage> <usageComments>{0,unbounded}</usageComments> <extent>{0,1}</extent> <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:complexType> <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="type"/> <xs:element ref="linkSeries" 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:element ref="comments" minOccurs="0"/> <xs:element ref="usage" minOccurs="0"/> <xs:element ref="usageComments" minOccurs="0" maxOccurs="unbounded"/> <xs:choice minOccurs="0"> <xs:element ref="interpretation"/> <xs:element ref="interpretationUnsolved"/> </xs:choice> <xs:element ref="extent" 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:complexType> </xs:element></pre>										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element objective

Namespace	http://www.tridas.org/1.1
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element derivedSeries
Source	<pre><xs:element name="objective" type="xs:string" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element standardizingMethod

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR standardizingMethod[standardizingMethod Type xs:string] --- xsString(xs:string) </pre>
Type	xs:string
Properties	content: simple
Used by	Element derivedSeries
Source	<xs:element name="standardizingMethod" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element author

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR author[author Type xs:string] --- xsString(xs:string) </pre>
Type	xs:string
Properties	content: simple
Used by	Element derivedSeries
Source	<xs:element name="author" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element version

Namespace	http://www.tridas.org/1.1
Diagram	<pre> graph LR version(version Type xs:string) --- xsString(xs:string) </pre>
Type	xs:string
Properties	content: simple
Used by	Element derivedSeries
Source	<xs:element name="version" type="xs:string"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Element measuringDate

Namespace	http://www.tridas.org/1.1										
Diagram	<pre> graph TD measuringDate(measuringDate Type date) --> date(date) date --- xsDate(xs:date) date --> attributes[@ attributes] attributes --> certainty[@ certainty Type certainty] </pre>										
Type	date										
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>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	<xs:element name="measuringDate" type="date"/>										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Element derivationDate

Namespace	http://www.tridas.org/1.1										
Diagram	<pre> classDiagram class derivationDate { date <> xs:date @ attributes @certainty Type certainty } </pre>										
Type	date										
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>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	<xs:element name="derivationDate" type="date" />										
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd										

Complex Types

Complex Type controlledVoc

Namespace	http://www.tridas.org/1.1																				
Diagram	<pre> classDiagram class controlledVoc { <> xs:string @ attributes @normalStd @normalId @normal } </pre>																				
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>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	normal				optional	normalId				optional	normalStd				optional
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normalId				optional																	
normalStd				optional																	
Source	<xs:complexType name="controlledVoc"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="normalStd"/> <xs:attribute name="normalId"/> <xs:attribute name="normal"/> </xs:extension> </xs:simpleContent> </xs:complexType>																				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd																				

Complex Type dateTime

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class dateTime { <> xs:dateTime @ attributes @certainty Type certainty } </pre>
Type	extension of xs:dateTime

Used by	Elements	createdTimestamp, lastModifiedTimestamp			
Attributes	QName	Type	Fixed	Default	Use
	certainty	certainty			optional
Source	<pre><xs:complexType name="dateTime"> <xs:simpleContent> <xs:extension base="xs:dateTime"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Complex Type date

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram date < -- xs:date xs:date { <@certainty : certainty } </pre>				
Type	extension of xs:date				
Used by	Elements	derivationDate, measuringDate, requestDate, samplingDate			
Attributes	QName	Type	Fixed	Default	Use
	certainty	certainty			optional
Source	<pre><xs:complexType name="date"> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd				

Complex Type year

Namespace	http://www.tridas.org/1.1				
Diagram	<pre> classDiagram positiveInteger < -- year year { <@certainty : certainty <@suffix : restriction of 'xs:string' } </pre>				
Type	extension of xs:positiveInteger				
Used by	Elements	deathYear, firstYear, sproutYear			
Attributes	QName	Type	Fixed	Default	Use
	certainty	certainty			optional
	suffix	restriction of xs:string			required
Source	<pre><xs:complexType name="year"> <xs:simpleContent> <xs:extension base="xs:positiveInteger"> <xs:attribute name="certainty" type="certainty" use="optional"/> <xs:attribute name="suffix" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="AD"/> <xs:enumeration value="BC"/> <xs:enumeration value="BP"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				

	<pre> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Simple Types

Simple Type certainty

Namespace	http://www.tridas.org/1.1
Diagram	<pre> classDiagram class certainty { <<restriction base="xs:string" /> <<enumeration value="unknown"/> <<enumeration value="exact"/> <<enumeration value="approximately"/> <<enumeration value="after"/> <<enumeration value="before"/> } </pre>
Type	restriction of xs:string
Facets	enumeration unknown, exact, approximately, after, before
Used by	Attributes date/@certainty, dateTimes/@certainty, year/@certainty
Source	<pre> <xs:simpleType name="certainty"> <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	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

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

Schemas

Imported schema xlink.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	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd

Attributes

Attribute @xlink:href

Namespace	http://www.w3.org/1999/xlink
Type	anyURI
Properties	content: simple
Used by	Elements file, linkSeries/xLink Attribute Groups xlink:locatorLink, xlink:simpleLink
Source	<attribute name="href" type="anyURI" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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		<attribute name="role" type="anyURI" />
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<attribute name="arcrole" type="anyURI" />
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<attribute name="title" type="string" />
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd

Attribute @xlink:show

Namespace	http://www.w3.org/1999/xlink	
Annotations	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	
Type	restriction of string	
Properties	content:	simple
Facets	enumeration	new, replace, embed, other, none
Used by	Attribute Groups	xlink:arcLink, xlink:simpleLink
Source		<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><="" td=""></br><>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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; its value should be treated as follows:</p> <ul style="list-style-type: none"> 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 	
Type	restriction of string	
Properties	content: simple	
Facets	enumeration onLoad, onRequest, other, none	
Used by	Attribute Groups	xlink:arcLink, xlink:simpleLink
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; 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</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="onLoad"/> <enumeration value="onRequest"/> <enumeration value="other"/> <enumeration value="none"/> </restriction> </simpleType> </attribute></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	<pre><attribute name="label" type="string"/></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd	

Attribute @xlink:from

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	content: simple	
Used by	Attribute Group	xlink:arcLink
Source	<pre><attribute name="from" type="string"/></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd	

Attribute @xlink:to

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	content: simple	

Used by	Attribute Group	xlink:arcLink
Source		<code><attribute name="to" type="string" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<code><attribute name="type" type="string" fixed="simple" form="qualified" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd

Attribute xlink:extendedLink/@xlink:type

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	fixed:	extended
Used by	Attribute Group	xlink:extendedLink
Source		<code><attribute name="type" type="string" fixed="extended" form="qualified" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<code><attribute name="type" type="string" fixed="locator" form="qualified" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<code><attribute name="type" type="string" fixed="arc" form="qualified" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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		<code><attribute name="type" type="string" fixed="resource" form="qualified" /></code>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/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	<attribute name="type" type="string" fixed="none" form="qualified"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd

Attribute Groups

Attribute Group xlink:simpleLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class simpleLink { @type string simple @xlink:href anyURI @xlink:role anyURI @xlink:arcrole anyURI @xlink:title string @xlink:show restriction of string @xlink:actuate restriction of string } </pre>				
Used by	Attribute Group gml:AssociationAttributeGroup				
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; its 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:href	anyURI			optional
	xlink:role	anyURI			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; its value should be treated as follows:</p> <p>new - load ending resource in a new window, frame, pane, or other</p>			

	QName	Type	Fixed	Default	Use
		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
Source		<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"/> </attributeGroup>			
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd			

Attribute Group **xlink:extendedLink**

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class extendedLink { @ type @ xlink:role @ xlink:title } @ type { Type string Fixed extended } @ xlink:role { Type anyURI } @ xlink:title { Type string } </pre>				
Attributes	QName	Type	Fixed	Default	Use
	xlink:role	anyURI			optional
	xlink:title	string			optional
	xlink:type	string	extended		optional
Source		<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>			
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd			

Attribute Group **xlink:locatorLink**

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class locatorLink { @ type @ xlink:href @ xlink:role @ xlink:title @ xlink:label } @ type { Type string Fixed locator } @ xlink:href { Type anyURI } @ xlink:role { Type anyURI } @ xlink:title { Type string } @ xlink:label { Type string } </pre>				
Attributes	QName	Type	Fixed	Default	Use
	xlink:href	anyURI			required
	xlink:label	string			optional

	QName	Type	Fixed	Default	Use
	xlink:role	anyURI			optional
	xlink:title	string			optional
	xlink:type	string	locator		optional
Source	<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>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd				

Attribute Group **xlink:arcLink**

Namespace	http://www.w3.org/1999/xlink																																																						
Diagram	<pre> classDiagram class arcLink { @type string Fixed arc @xlink:arcrole anyURI @xlink:title string @xlink:show restriction of string @xlink:actuate restriction of string @xlink:from string @xlink:to string } </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>xlink:actuate</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>xlink:arcrole</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:from</td> <td>string</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 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>xlink:title</td> <td>string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:to</td> <td>string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>string</td> <td>arc</td> <td></td> <td>optional</td> </tr> </tbody> </table>					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; 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>				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; 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>				xlink:title	string			optional	xlink:to	string			optional	xlink:type	string	arc		optional
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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	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd

Attribute Group xlink:resourceLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class resourceLink { @ type Type string Fixed resource @ xlink:role Type anyURI @ xlink:title Type string @ xlink:label Type string } </pre>				
Attributes	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	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd				

Attribute Group xlink:titleLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class titleLink { @ type Type string Fixed title } </pre>				
Attributes	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	file:/Volumes/dendroserver/tridas.org/1.1/xlinks.xsd				

Attribute Group xlink:emptyLink

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class emptyLink { @ type Type string Fixed none } </pre>				
Attributes	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>				

	</attributeGroup>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Elements

Element gml:Polygon

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml:PolygonType { @id : ID @srsName : anyURI } class gml:AbstractSurfaceType { @attributes { @id : ID @srsName : anyURI } gml:StandardObjectProperties { gml:description : string gml:name : gml:CodeType } gml:exterior : gml:AbstractRingPropertyType gml:interior : gml:AbstractRingPropertyType *{ 0..∞ } } class Polygon { Type gml:PolygonType } </pre>
Type	gml:PolygonType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType

	<ul style="list-style-type: none"> • gml:AbstractSurfaceType • gml:PolygonType 																									
Properties	content: complex																									
Used by	Elements extentGeometry, 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>																									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">QName</th><th style="text-align: left;">Type</th><th style="text-align: left;">Fixed</th><th style="text-align: left;">Default</th><th style="text-align: left;">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="3">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.		
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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="Polygon" type="gml:PolygonType" substitutionGroup="gml:_Surface"/>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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 } description "Type" string </pre>
Type	string
Properties	content: simple
Used by	Element Group gml:StandardObjectProperties
Source	<pre><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></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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

Diagram	for the codeSpace.										
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	<pre><element name="name" type="gml:CodeType"> <annotation> <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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd										

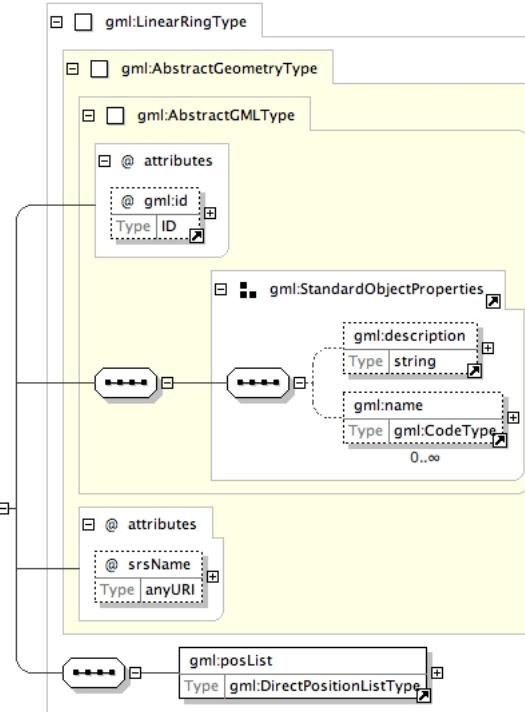
Element gml:exterior

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 exterior { Type gml:AbstractRingPropertyType } class gml:LinearRing { Type gml:LinearRingType } exterior --> gml:LinearRing </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	<pre><element name="exterior" type="gml:AbstractRingPropertyType"> <annotation> <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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element gml:LinearRing

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



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	<gml:LinearRing gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:LinearRing>				
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
Source	<element name="LinearRing" type="gml:LinearRingType" substitutionGroup="gml:_Geometry"/>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd				

Element `gml:posList`

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class posList { <<gml:DirectPositionListType>> } class gml { <<doubleList>> } posList --> gml </pre>
Type	<code>gml:DirectPositionListType</code>
Type hierarchy	<ul style="list-style-type: none"> anySimpleType • <code>gml:doubleList</code> • <code>gml:DirectPositionListType</code>
Properties	content: complex
Used by	Complex Types <code>gml:LineStringSegmentType</code> , <code>gml:LineStringType</code> , <code>gml:LinearRingType</code>
Source	<code><element name="posList" type="gml:DirectPositionListType"/></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

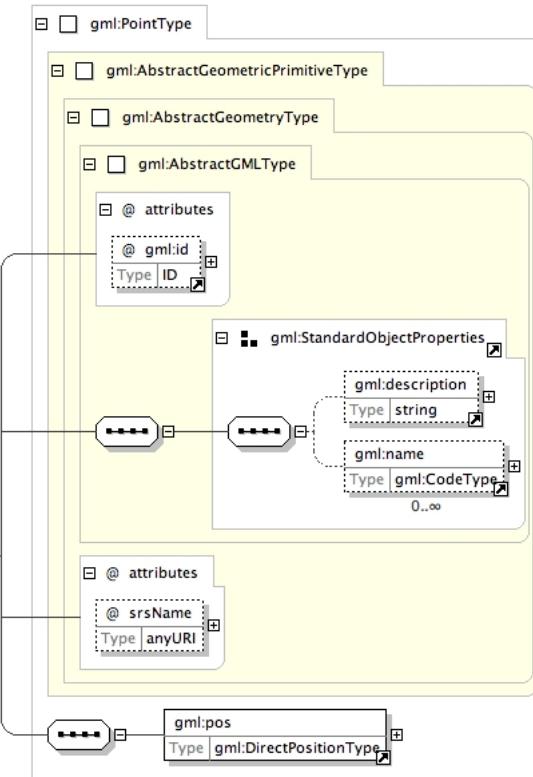
Element `gml:interior`

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 { <<gml:AbstractRingPropertyType>> } class gml { <<LinearRing>> } interior --> gml </pre>
Type	<code>gml:AbstractRingPropertyType</code>
Properties	content: complex
Used by	Complex Types <code>gml:PolygonPatchType</code> , <code>gml:PolygonType</code>
Model	<code>gml:LinearRing</code>
Children	<code>gml:LinearRing</code>
Instance	<code><gml:interior> <gml:LinearRing gml:id="" srsName="">{1,1}</gml:LinearRing> </gml:interior></code>
Source	<code><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></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element `gml:Point`

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



Type	gml:PointType
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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:AbstractGeometricPrimitiveType • gml:PointType
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Properties	content: complex
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Used by	Element locationGeometry
	Complex Type gml:PointPropertyType

Model	gml:description{0,1} , gml:name* , gml:pos
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Children	gml:description, gml:name, gml:pos
----------	------------------------------------

Instance	<pre> <gml:Point gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Point> </pre>
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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			

	QName	Type	Fixed	Default	Use
position level only in rare cases.					
Source		<element name="Point" type="gml:PointType" substitutionGroup="gml:_GeometricPrimitive"/>			
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

Element gml:pos

Namespace	http://www.opengis.net/gml				
Diagram	<pre> classDiagram class pos { <<gml:DirectPositionType>> } class DirectPositionType { <<gml:DirectPositionType>> } class doubleList { <<gml:doubleList>> } pos "1" -- "*" DirectPositionType DirectPositionType "*" -- "1" doubleList </pre>				
Type	gml:DirectPositionType				
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionType 				
Properties	content: complex				
Used by	Complex Type gml:PointType				
Source	<element name="pos" type="gml:DirectPositionType"/>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd				

Element gml:_GeometricAggregate

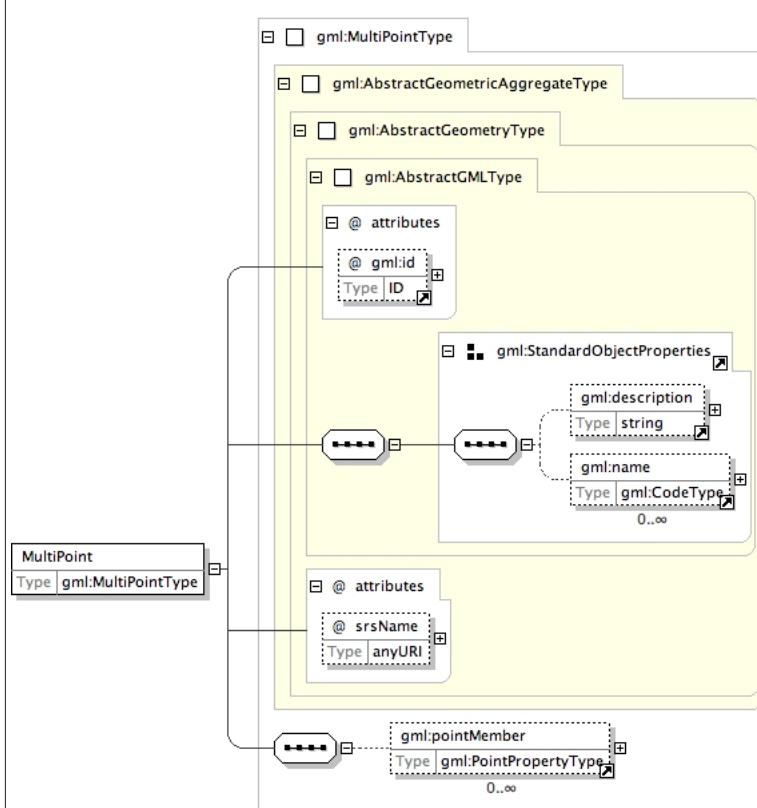
Namespace	http://www.opengis.net/gml				
Annotations	The "_GeometricAggregate" element is the abstract head of the substitution group for all geometric aggregates.				
Diagram	<pre> classDiagram class GeometricAggregate { <<gml:AbstractGeometricAggregateType>> Abstract true } class AbstractGeometricAggregateType { <<gml:AbstractGeometricAggregateType>> } class AbstractGeometryType { <<gml:AbstractGeometryType>> } class AbstractGMLType { <<gml:AbstractGMLType>> } GeometricAggregate "1" -- "*" AbstractGeometricAggregateType AbstractGeometricAggregateType "*" -- "1" AbstractGeometryType AbstractGeometryType "*" -- "1" AbstractGMLType class StandardObjectProperties { <<gml:StandardObjectProperties>> gml:description string gml:name gml:CodeType } class Substitutions { <<gml:Substitutions>> MultiCurve MultiPoint MultiSurface } GeometricAggregate --> StandardObjectProperties GeometricAggregate --> Substitutions </pre>				

Type	gml:AbstractGeometricAggregateType																		
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType 																		
Properties	<p>content: complex</p> <p>abstract: true</p>																		
Used by	Complex Type gml:MultiGeometryPropertyType																		
Model	gml:description{0,1} , gml:name*																		
Children	gml:description, gml:name																		
Instance	<pre><gml:_GeometricAggregate gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_GeometricAggregate></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> <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>		
QName	Type	Fixed	Default	Use															
gml:id	ID			optional															
srsName	anyURI			optional															
	<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>																		
Source	<pre><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></pre>																		
Schema location					file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd														

Element gml:MultiPoint

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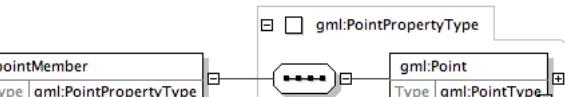
Diagram



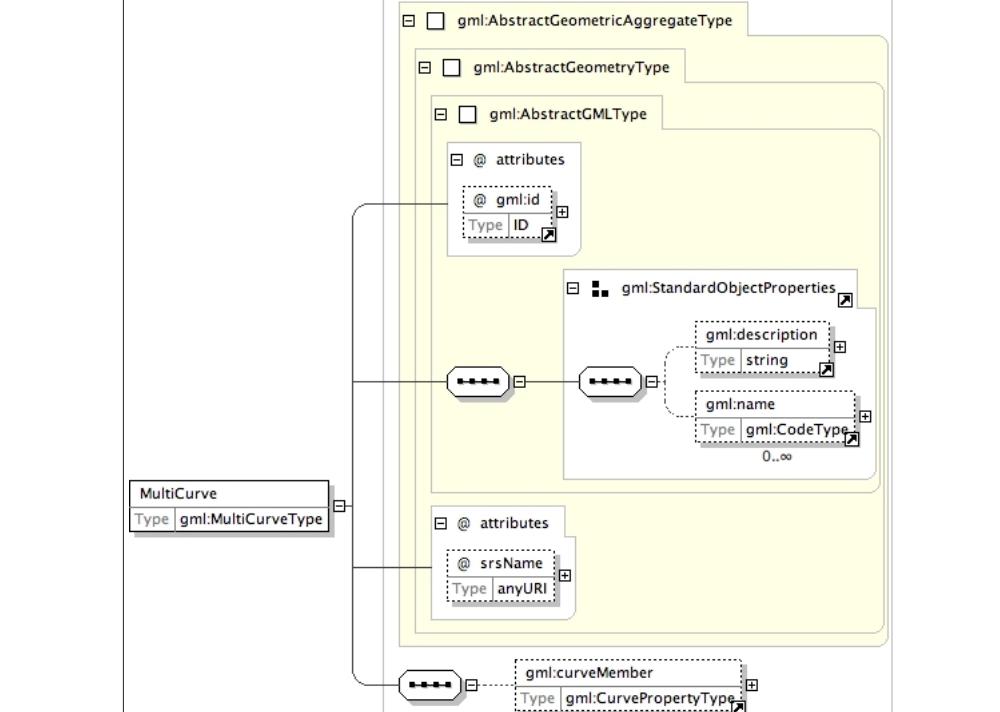
Type	gml:MultiPointType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType • gml:MultiPointType 																									
Properties	content: complex																									
Used by	Complex 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>																									
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></td><td>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.</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></td><td>Data: 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><td></td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	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.			srsName	anyURI			optional			Data: 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																						
		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.																								
srsName	anyURI			optional																						
		Data: 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><element name="MultiPoint" type="gml:MultiPointType" substitutionGroup="gml:_GeometricAggregate"/></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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" -- "*" Point pointMember "1" -- "*" "gml:PointPropertyType" </pre> <p>The diagram illustrates the UML class structure for the <code>pointMember</code> element. It is defined as a reference type (<code>gml:PointPropertyType</code>). It has two associations: one to the <code>Point</code> class (multiplicity 1..*) and another to the <code>gml:PointPropertyType</code> class (multiplicity 1..*).</p>
Type	<code>gml:PointPropertyType</code>
Properties	content: complex
Used by	Complex Type <code>gml:MultiPointType</code>
Model	<code>gml:Point</code>
Children	<code>gml:Point</code>
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element gml:MultiCurve

Namespace	http://www.opengis.net/gml
Diagram	 <pre> classDiagram class MultiCurve { <<gml:MultiCurveType>> <<Type gml:MultiCurveType>> } class AbstractGMLType class AbstractGeometryType class AbstractGeometricAggregateType class StandardObjectProperties { <<gml:StandardObjectProperties>> <<gml:description string>> <<gml:name CodeType>> } class CurvePropertyType { <<gml:CurvePropertyType>> } MultiCurve < -- gml:MultiCurveType gml:MultiCurveType < -- gml:AbstractGeometricAggregateType gml:AbstractGeometricAggregateType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType gml:MultiCurveType "0..∞" --> gml:curveMember : gml:CurvePropertyType gml:MultiCurveType "0..∞" --> @gml:id : ID gml:MultiCurveType "0..∞" --> @srsName : anyURI gml:MultiCurveType "0..∞" --> gml:StandardObjectProperties gml:StandardObjectProperties "0..∞" --> gml:description : string gml:StandardObjectProperties "0..∞" --> gml:name : CodeType </pre>
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>																									
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></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> <tr> <td></td><td>srsName</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">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																						
		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><element name="MultiCurve" type="gml:MultiCurveType" substitutionGroup="gml:_GeometricAggregate"/></pre>																									
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	<pre> classDiagram class gml { class CurvePropertyType { property curveMember : gml:CurvePropertyType } class _Curve { <<Abstract>> <<AbstractCurveType>> } } class gml { class _Curve { <<Abstract>> <<AbstractCurveType>> } } curveMember "1" -- "0..1" gml.CurvePropertyType gml._Curve "0..1" -- "1" gml._Curve </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element `gml:_Curve`

Namespace	http://www.opengis.net/gml															
Annotations	The " <code>_Curve</code> " element is the abstract head of the substituition group for all (continuous) curve elements.															
Diagram	<pre> classDiagram gml:AbstractCurveType < -- gml:AbstractGeometricPrimitiveType gml:AbstractGeometricPrimitiveType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType gml:AbstractGMLType < -- gml:_Curve gml:_Curve < -- gml:Curve gml:_Curve < -- gml:LineString gml:_Curve < -- gml:AbstractCurveType gml:_Curve < -- gml:StandardObjectProperties @id description name gml:_Curve < -- srsName gml:_Curve < -- substitutions Curve LineString </pre>															
Type	<code>gml:AbstractCurveType</code>															
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractGeometryType</code> <code>gml:AbstractGeometricPrimitiveType</code> <code>gml:AbstractCurveType</code> 															
Properties	<p>content: complex</p> <p>abstract: true</p>															
Used by	Complex Type <code>gml:CurvePropertyType</code>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>															
Children	<code>gml:description</code> , <code>gml:name</code>															
Instance	<pre> <gml:_Curve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Curve> </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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	QName	Type	Fixed	Default	Use
	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	<pre><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></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd				

Element `gml:MultiSurface`

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class MultiSurface { <<gml:MultiSurfaceType>> } class MultiSurfaceType { <<gml:MultiSurfaceType>> } class AbstractGMLType { <<gml:AbstractGMLType>> } class AbstractGeometryType { <<gml:AbstractGeometryType>> } class AbstractAggregateType { <<gml:AbstractGeometricAggregateType>> } class MultiSurfaceType < -- AbstractAggregateType class MultiSurfaceType < -- AbstractGeometryType class MultiSurfaceType < -- AbstractGMLType class MultiSurfaceType { @ id : ID @ srsName : anyURI } class MultiSurfaceType { "0..∞" --> "gml:surfaceMember : gml:SurfacePropertyType" } class StandardObjectProperties { "0..∞" --> "gml:description : string" "0..∞" --> "gml:name : CodeType" } </pre>
Type	gml:MultiSurfaceType
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:AbstractGeometricAggregateType • gml:MultiSurfaceType
Properties	content: complex
Used by	Complex Type gml:MultiSurfacePropertyType
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:surfaceMember*</code>
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:surfaceMember</code>

Instance	<pre><gml:MultiSurface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiSurface></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	<pre><element name="MultiSurface" type="gml:MultiSurfaceType" substitutionGroup="gml:_GeometricAggregate"/></pre>				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd				

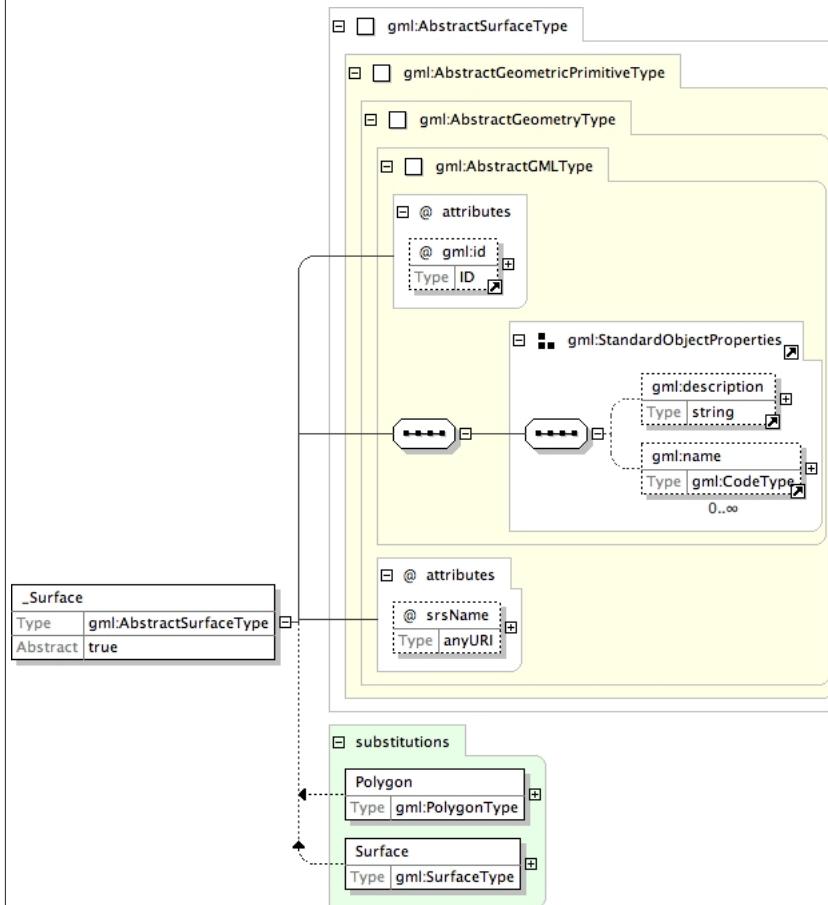
Element gml:surfaceMember

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 { property surfaceMember } class _Surface { <<Abstract>> <<AbstractSurfaceType>> } } gml::SurfacePropertyType "1" -- "0..1" gml::_Surface </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	file:/Volumes/dendroserver/tridas.org/1.1/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	<code>gml:AbstractSurfaceType</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> • <code>gml:AbstractSurfaceType</code> 																									
Properties	<p>content: <code>complex</code></p> <p>abstract: <code>true</code></p>																									
Used by	Complex Type <code>gml:SurfacePropertyType</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code>																									
Instance	<pre><gml:_Surface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Surface></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><code>ID</code></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 <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.</td></tr> <tr> <td><code>srsName</code></td><td><code>anyURI</code></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 <code>srsName</code></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	<code>ID</code>			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.				<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 <code>srsName</code>			
QName	Type	Fixed	Default	Use																						
<code>gml:id</code>	<code>ID</code>			optional																						
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<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 <code>srsName</code>																									

	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		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

Element **gml:Curve**

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml:CurveType class gml:AbstractCurveType class gml:AbstractGeometricPrimitiveType class gml:AbstractGeometryType class gml:AbstractGMLType class Curve { Type gml:CurveType } class gml:StandardObjectProperties class gml:description { Type string } class gml:name { Type gml:CodeType } class gml:CurveSegmentArrayPropertyType gml:CurveType < -- gml:AbstractCurveType gml:AbstractCurveType < -- gml:AbstractGeometricPrimitiveType gml:AbstractGeometricPrimitiveType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType Curve "1" -- "*" gml:StandardObjectProperties : Curve "*" -- "*" gml:CurveSegmentArrayPropertyType : gml:segments Curve "*" -- "*" gml:Attributes : </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/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 { Type gml:CurveSegmentArrayPropertyType } class gml:_CurveSegment { Type gml:AbstractCurveSegmentType Abstract true } segments "1" -- "0..oo" gml:_CurveSegment gml:_CurveSegment "1" -- "1" gml:AbstractCurveSegmentType </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	file:/Volumes/dendroserver/tridas.org/1.1/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:CurveSegmentArrayPropertyType
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	file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd															

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 gml:_SurfacePatch { <<Abstract>> <<Type: gml:AbstractSurfacePatchType>> } class gml:AbstractSurfacePatchType class gml:PolygonPatch { <<Type: gml:PolygonPatchType>> } gml:_SurfacePatch < -- gml:AbstractSurfacePatchType gml:_SurfacePatch --> > 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	file:/Volumes/dendroserver/tridas.org/1.1/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 gml:patches { <<Type: gml:SurfacePatchArrayPropertyType>> } class gml:_SurfacePatch { <<Type: gml:AbstractSurfacePatchType>> <<Abstract: true>> } gml:patches --> > gml:_SurfacePatch gml:_SurfacePatch <--> "0..∞" </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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element `gml:PolygonPatch`

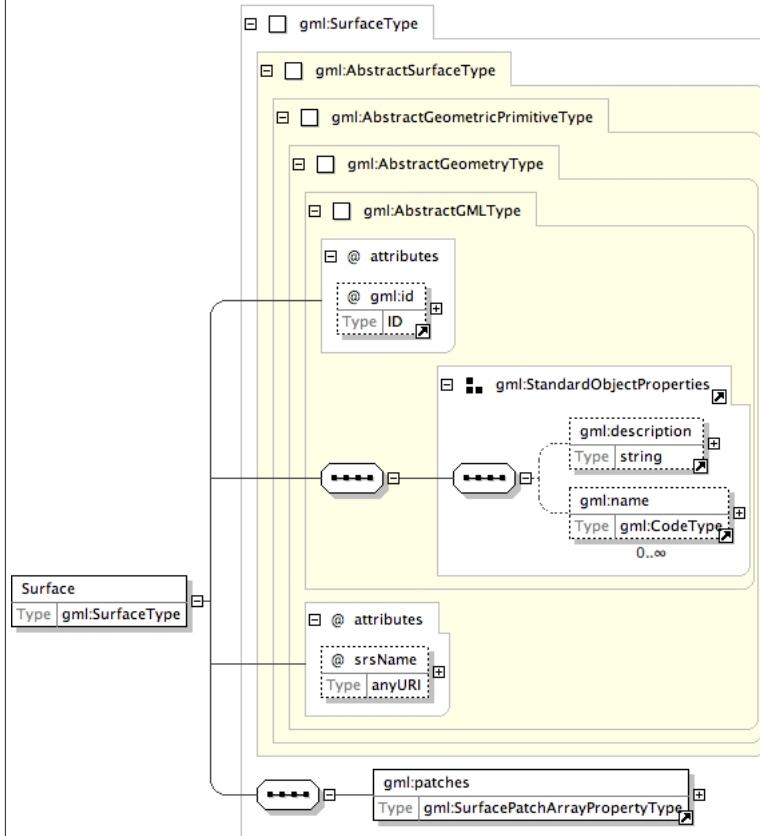
Namespace	http://www.opengis.net/gml
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Diagram																
Type	gml:PolygonPatchType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractSurfacePatchType <ul style="list-style-type: none"> • gml:PolygonPatchType 															
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">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.</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 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.			
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 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	<pre><element name="PolygonPatch" type="gml:PolygonPatchType" substitutionGroup="gml:_SurfacePatch"/></pre>															
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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 <ul style="list-style-type: none"> • 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	<pre> <gml:Surface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:Surface> </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> <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>srsName</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 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></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			
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																									

	QName	Type	Fixed	Default	Use
		position level only in rare cases.			
Source		<element name="Surface" type="gml:SurfaceType" substitutionGroup="gml:_Surface"/>			
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

Element gml:_Geometry

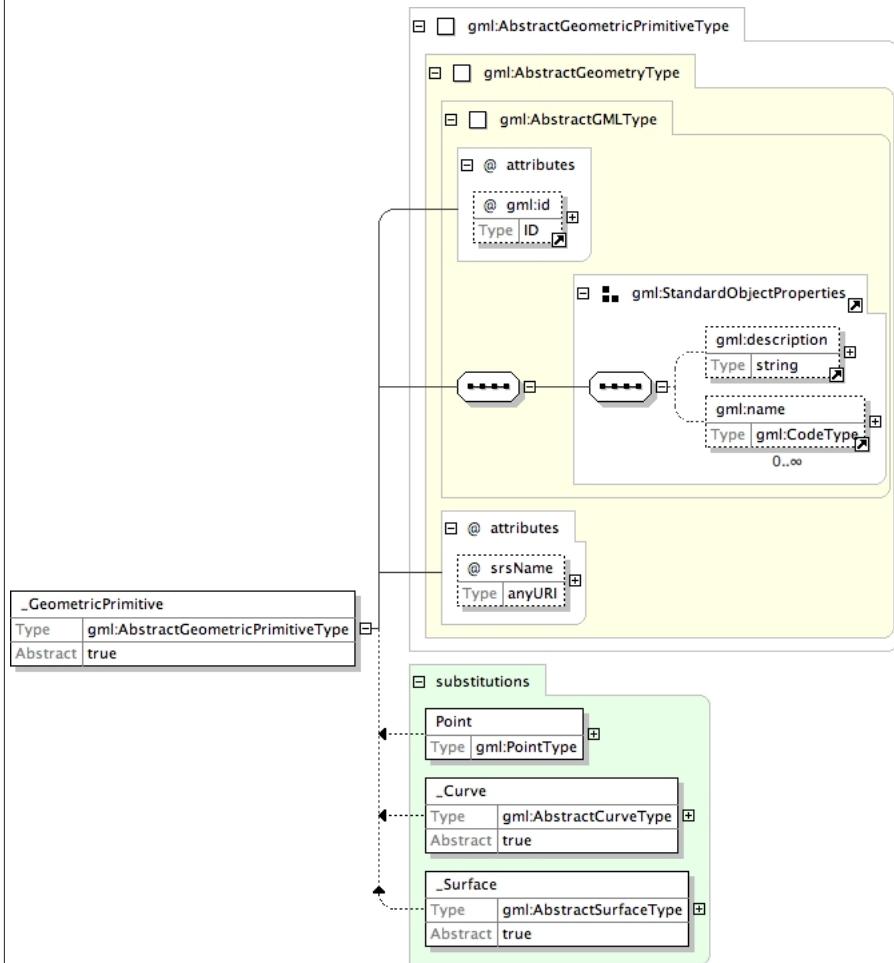
Namespace	http://www.opengis.net/gml				
Annotations	<p>The "_Geometry" element is the abstract head of the substitution group for all geometry elements of GML 3. This includes pre-defined and user-defined geometry elements. Any geometry element must be a direct or indirect extension/restriction of AbstractGeometryType and must be directly or indirectly in the substitution group of "_Geometry".</p>				
Diagram	<pre> classDiagram class _Geometry { <<gml:AbstractGeometryType>> <<Abstract>> } class gml:AbstractGeometryType { <<gml:AbstractGMLType>> <<@ attributes>> <<@ gml:id ID>> <<gml:StandardObjectProperties>> <<gml:description string>> <<gml:name CodeType 0..∞>> <<@ attributes>> <<@ srsName anyURI>> <<substitutions>> <<LinearRing gml:LinearRingType>> <<_GeometricAggregate gml:AbstractGeometricAggregateType Abstract true>> <<_GeometricPrimitive gml:AbstractGeometricPrimitiveType Abstract true>> } _Geometry --> gml:AbstractGeometryType </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	<gml:_Geometry gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Geometry>				
Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional

QName	Type	Fixed	Default	Use
		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.		
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		file:/Volumes/dendroserver/tridas.org/1.1/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	gm:AbstractGeometricPrimitiveType																									
Type hierarchy	<ul style="list-style-type: none"> • gm:AbstractGMLType <ul style="list-style-type: none"> • gm:AbstractGeometryType <ul style="list-style-type: none"> • gm:AbstractGeometricPrimitiveType 																									
Properties	<p>content: complex</p> <p>abstract: true</p>																									
Model	gm:description{0,1} , gm:name*																									
Children	gm:description, gm:name																									
Instance	<pre> <gm:_GeometricPrimitive gm:id="" srsName=""> <gm:description>{0,1}</gm:description> <gm:name codeSpace="">{0,unbounded}</gm:name> </gm:_GeometricPrimitive> </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>gm:id</td><td>ID</td><td></td><td></td><td>optional</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> <tr> <td>srsName</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">In general this reference points to a CRS instance of gm: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</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gm: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 gm: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		
QName	Type	Fixed	Default	Use																						
gm: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 gm: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																								

	QName	Type	Fixed	Default	Use
			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="_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			file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd		

Element gml:LineString

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml:LineStringType { @id : ID @srsName : anyURI gml:StandardObjectProperties gml:posList : gml:DirectPositionListType } class gml:AbstractCurveType class gml:AbstractGeometricPrimitiveType class gml:AbstractGeometryType class gml:AbstractGMLType gml:LineStringType < -- gml:AbstractCurveType gml:AbstractCurveType < -- gml:AbstractGeometricPrimitiveType gml:AbstractGeometricPrimitiveType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType </pre>
Type	gml:LineStringType
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 <ul style="list-style-type: none"> • 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>

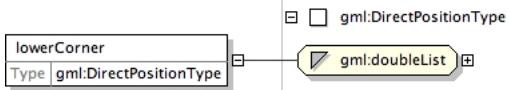
Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer 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="LineString" type="gml:LineStringType" substitutionGroup="gml:_Curve" />				
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd				

Element gml:Envelope

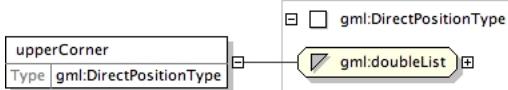
Namespace	http://www.opengis.net/gml																
Diagram	<pre> classDiagram class Envelope { <<gml:EnvelopeType>> } class gml { class EnvelopeType { <<@ attributes>> <<@ srsName : anyURI>> lowerCorner : gml.DirectPositionType upperCorner : gml.DirectPositionType } } </pre>																
Type	gml:EnvelopeType																
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 colspan="5">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></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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd																

Element gml:EnvelopeType/gml:lowerCorner

Namespace	http://www.opengis.net/gml
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Diagram	
Type	gml:DirectPositionType
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionType
Properties	content: complex
Source	<element name="lowerCorner" type="gml:DirectPositionType"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

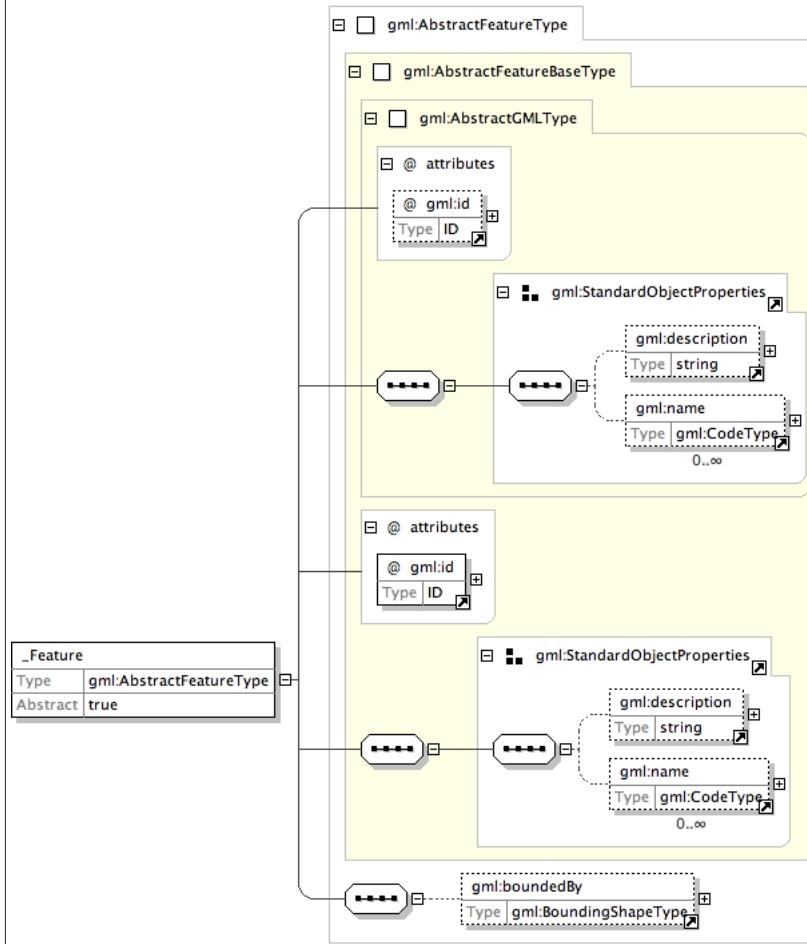
Element **gml:EnvelopeType/gml:upperCorner**

Namespace	http://www.opengis.net/gml
Diagram	
Type	gml:DirectPositionType
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionType
Properties	content: complex
Source	<element name="upperCorner" type="gml:DirectPositionType"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element **gml:_Feature**

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



Type	gm:AbstractFeatureType															
Type hierarchy	<ul style="list-style-type: none"> • gm:AbstractGMLType • gm:AbstractFeatureBaseType <ul style="list-style-type: none"> • gm:AbstractFeatureType 															
Properties	<p>content: complex</p> <p>abstract: true</p>															
Model	gm:description{0,1} , gm:name* , gm:boundedBy{0,1}															
Children	gm:boundedBy, gm:description, gm:name															
Instance	<pre> <gm:_Feature gm:id=""> <gm:description>{0,1}</gm:description> <gm:name codeSpace="">{0,unbounded}</gm:name> </gm:_Feature> </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>gm:id</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	gm: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												
gm: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> <element name="_Feature" type="gm:AbstractFeatureType" abstract="true" substitutionGroup="gm:_GML"/> </pre>															
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd															

Element `gml:boundedBy`

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml { class BoundingShapeType { class boundedBy { <<gml:BoundingShapeType>> } } class Envelope { class EnvelopeType { <<gml:EnvelopeType>> } } } BoundingShapeType < -- boundedBy Envelope < -- EnvelopeType </pre>
Type	<code>gml:BoundingShapeType</code>
Properties	content: complex
Used by	Complex Type <code>gml:AbstractFeatureType</code>
Model	<code>gml:Envelope</code>
Children	<code>gml:Envelope</code>
Instance	<pre> <gml:boundedBy> <gml:Envelope srsName="">{1,1}</gml:Envelope> </gml:boundedBy> </pre>
Source	<pre> <element name="boundedBy" type="gml:BoundingShapeType" /> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

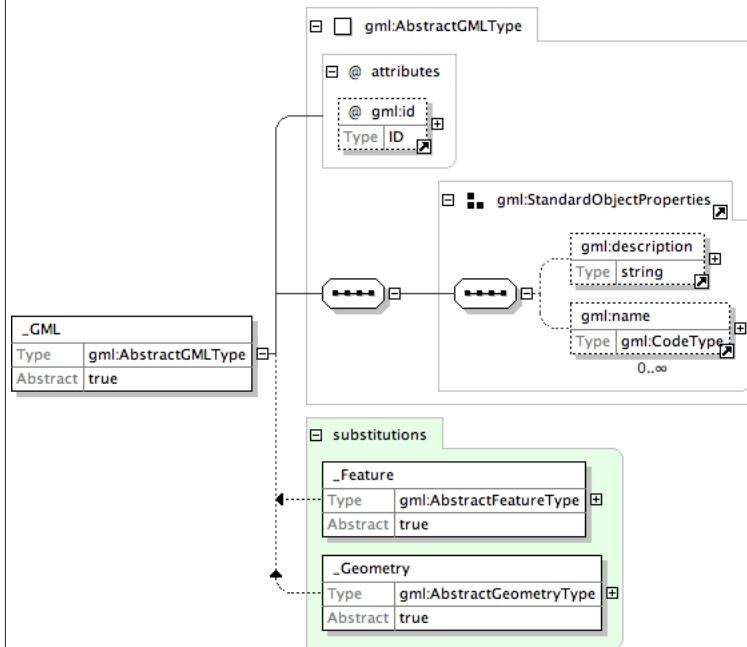
Element `gml:_Object`

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	<pre> classDiagram class gml { class Object { <<Abstract true>> } class GML { <<Abstract true>> } } Object < -- _Object GML < -- _GML _Object <--> _GML : substitutions </pre>
Properties	abstract: true
Source	<pre> <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> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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



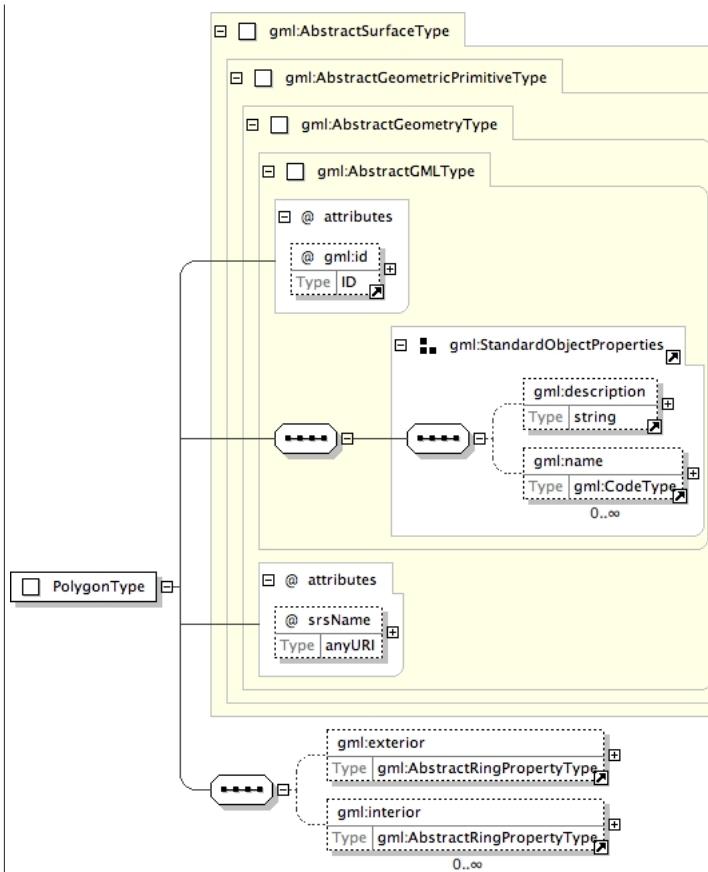
Type	gml:AbstractGMLType										
Properties	content: complex abstract: true										
Model	gml:description{0,1} , gml:name*										
Children	gml:description, gml:name										
Instance	<pre> <gml:_GML gml:id=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </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>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, 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>	QName	Type	Fixed	Default	Use	gml:id	ID			optional
QName	Type	Fixed	Default	Use							
gml:id	ID			optional							
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd										

Complex Types

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



Type	extension of <code>gml:AbstractSurfaceType</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:AbstractSurfaceType</code> <ul style="list-style-type: none"> • <code>gml:PolygonType</code> 																									
Used by	Element <code>gml:Polygon</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:exterior{0,1}</code> , <code>gml:interior*</code>																									
Children	<code>gml:description</code> , <code>gml:exterior</code> , <code>gml:interior</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><code>ID</code></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 <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.</td></tr> <tr> <td><code>srsName</code></td><td><code>anyURI</code></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 <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.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	<code>ID</code>			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.				<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 <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.			
QName	Type	Fixed	Default	Use																						
<code>gml:id</code>	<code>ID</code>			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.																									
<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 <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	<pre><complexType name="PolygonType"> <annotation></pre>																									

	<pre> <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> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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 AbstractSurfaceType { <<extension of gml:AbstractGeometricPrimitiveType>> } class AbstractGeometricPrimitiveType { <<extension of gml:AbstractGeometryType>> } class AbstractGeometryType { <<extension of gml:AbstractGMLType>> } class AbstractGMLType { @attributes @gml:id : ID @srsName : anyURI } class StandardObjectProperties { gml:description : string gml:name : gml:CodeType } AbstractSurfaceType --> AbstractGeometricPrimitiveType AbstractGeometricPrimitiveType --> AbstractGeometryType AbstractGeometryType --> AbstractGMLType AbstractGMLType --> StandardObjectProperties StandardObjectProperties --> gml:description StandardObjectProperties --> gml:name </pre>																				
Type	extension of 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 <ul style="list-style-type: none"> • gml:AbstractSurfaceType 																				
Used by	<p>Complex Types gml:PolygonType, gml:SurfaceType</p> <p>Element gml:_Surface</p>																				
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>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>optional</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
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																	

	QName	Type	Fixed	Default	Use
		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="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>			
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

Complex Type gml:AbstractGeometricPrimitiveType

Namespace	http://www.opengis.net/gml										
Annotations	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.										
Diagram	<pre> classDiagram class AbstractGeometricPrimitiveType { <<extension of gml:AbstractGeometryType>> } class AbstractGeometryType { <<extension of gml:AbstractGMLType>> } class AbstractGMLType { <<@ attributes @id ID, @srsName anyURI>> <<gml:StandardObjectProperties>> gml:description string gml:name CodeType } </pre>										
Type	extension of gml:AbstractGeometryType										
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	abstract: true										
Used by	<p>Complex Types gml:AbstractCurveType, gml:AbstractSurfaceType, gml:PointType</p> <p>Element gml:_GeometricPrimitive</p>										
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> </tbody> </table> <p style="text-align: center;">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="AbstractGeometricPrimitiveType" abstract="true"> <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		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

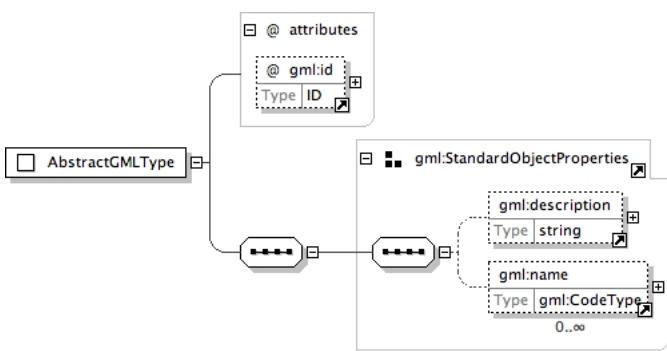
Complex Type gml:AbstractGeometryType

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	<pre> classDiagram class gml:AbstractGMLType { @ attributes @gml:id : ID } class AbstractGeometryType { @ attributes @gml:description : string @gml:name : gml:CodeType[0..oo] @srsName : anyURI } gml:AbstractGMLType < -- AbstractGeometryType gml:AbstractGMLType --> gml:StandardObjectProperties AbstractGeometryType --> gml:StandardObjectProperties </pre>
Type	extension of gml:AbstractGMLType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType
Properties	abstract: true
Used by	Complex Types gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType

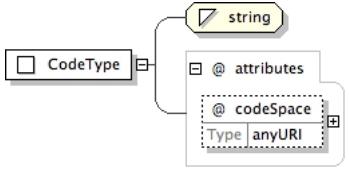
	Element	gml:_Geometry			
Model	gml:description{0,1} , gml:name*				
Children	gml:description, gml:name				
Attributes	QName	Type	Fixed	Default	Use
	gml:id	ID			optional
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An 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
Source	<pre><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></pre>				
	Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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.

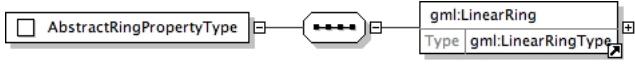
Diagram																
Properties	abstract: true															
Used by	Complex Types gml:AbstractFeatureBaseType, gml:AbstractGeometryType Element gml:_GML															
Model	gml:description{0,1}, gml:name*															
Children	gml:description, gml:name															
Attributes	<table border="1"> <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> </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.			
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.															
Source	<pre><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></pre>															
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd															

Complex Type gml:CodeType

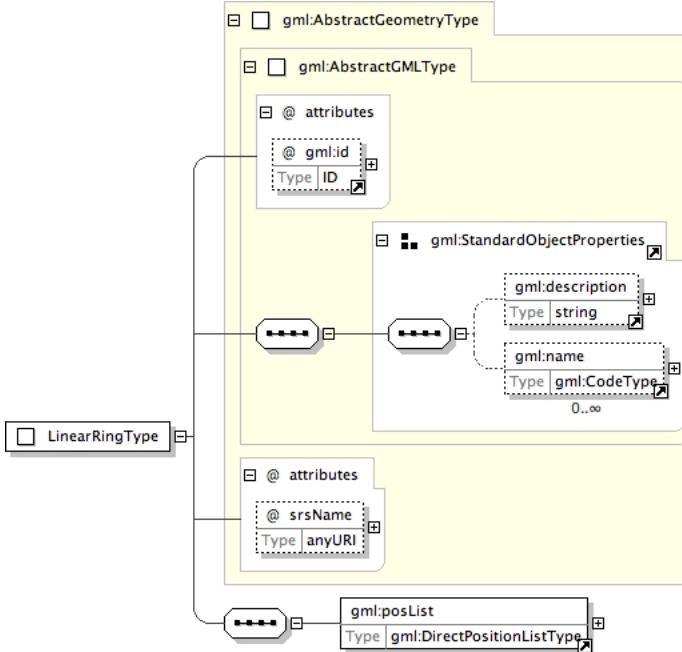
Namespace	http://www.opengis.net/gml										
Annotations	Name or code with an (optional) authority. Text token. If the codeSpace attribute is present, then its value should identify a dictionary, thesaurus or authority for the term, such as the organisation who assigned the value, or the dictionary from which it is taken. A text string with an optional codeSpace attribute.										
Diagram											
Type	extension of string										
Used by	Element 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>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	<pre><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</pre>										

	<p>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></p> <pre> </annotation> <simpleContent> <extension base="string"> <attribute name="codeSpace" type="anyURI" use="optional"/> </extension> </simpleContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type `gml:AbstractRingPropertyType`

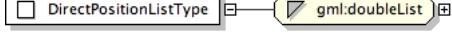
Namespace	http://www.opengis.net/gml
Annotations	Encapsulates a ring to represent the surface boundary property of a surface.
Diagram	
Used by	Elements gml:exterior, gml:interior
Model	gml:LinearRing
Children	gml:LinearRing
Source	<pre> <complexType name="AbstractRingPropertyType"> <annotation> <documentation>Encapsulates a ring to represent the surface boundary property of a surface.</documentation> </annotation> <sequence> <element ref="gml:LinearRing" /> </sequence> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType

		<ul style="list-style-type: none"> • <code>gml:LinearRingType</code> 																									
Used by	Element	<code>gml:LinearRing</code>																									
Model		<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:posList</code>																									
Children		<code>gml:description</code> , <code>gml:name</code> , <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><code>gml:id</code></td><td>ID</td><td></td><td></td><td>optional</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> <tr> <td></td><td><code>srsName</code></td><td><code>anyURI</code></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">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>	<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.			
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>	<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="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> </complexType></pre>																									
Schema location		<code>file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd</code>																									

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"> • <code>anySimpleType</code> • <code>gml:doubleList</code> • <code>gml:DirectPositionListType</code>
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"/></pre>

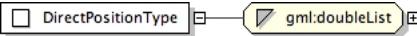
	</simpleContent> </complexType>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type `gml:PointType`

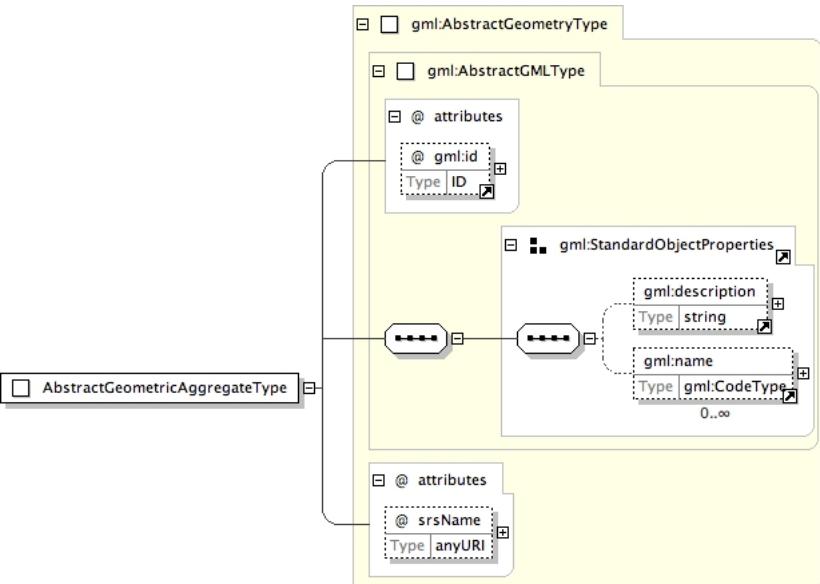
Namespace	http://www.opengis.net/gml																									
Annotations	A Point is defined by a single coordinate tuple.																									
Diagram	<pre> classDiagram class PointType { <<extension of gml:AbstractGeometricPrimitiveType>> <<gml:AbstractGMLType>> <<gml:AbstractGeometryType>> <<gml:AbstractGeometricPrimitiveType>> <<@ attributes>> <<@ id : ID>> <<@ srsName : anyURI>> <<gml:description : string>> <<gml:name : gml:CodeType>> <<gml:pos : gml:DirectPositionType>> } </pre>																									
Type	extension of <code>gml:AbstractGeometricPrimitiveType</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> 																									
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.			
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.																									

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> </complexType></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	
Type	extension of gml:doubleList
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
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	file:/Volumes/dendroserver/tridas.org/1.1/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 gml:AbstractGeometryType																		
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	<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> <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			
QName	Type	Fixed	Default	Use															
gml:id	ID			optional															
srsName	anyURI			optional															
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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> sequenceDiagram participant MP as MultiGeometry.PropertyType participant GA as gml:_GeometricAggregate MP->>GA: <sequence> <element ref="gml:_GeometricAggregate" /> </sequence> </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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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	<pre> classDiagram class MultiPointType { @attributes @srsName gml:pointMember* } class AbstractGeometricAggregateType { @attributes @id gml:StandardObjectProperties gml:pointMember* } class AbstractGeometryType { @attributes gml:StandardObjectProperties gml:pointMember* } class AbstractGMLType { @attributes gml:StandardObjectProperties gml:pointMember* } MultiPointType < -- AbstractGeometricAggregateType AbstractGeometricAggregateType < -- AbstractGeometryType AbstractGeometryType < -- AbstractGMLType </pre> <p>The diagram illustrates the inheritance structure of the <code>gml:MultiPointType</code>. It shows that <code>MultiPointType</code> is an extension of <code>gml:AbstractGeometricAggregateType</code>. This type has attributes <code>@srsName</code> (of type <code>anyURI</code>) and a sequence of <code>gml:pointMember</code> elements (of type <code>gml:PointPropertyType</code>, with a multiplicity of <code>0..oo</code>). The <code>gml:AbstractGeometricAggregateType</code> itself also has attributes <code>@id</code> (of type <code>ID</code>) and a sequence of <code>gml:pointMember</code> elements (with a multiplicity of <code>0..oo</code>). This type further extends <code>gml:AbstractGeometryType</code> and <code>gml:AbstractGMLType</code>, each of which also contains a sequence of <code>gml:pointMember</code> elements.</p>																									
Type	extension of <code>gml:AbstractGeometricAggregateType</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> <ul style="list-style-type: none"> • <code>gml:AbstractGeometricAggregateType</code> • <code>gml:MultiPointType</code> 																									
Used by	Element <code>gml:MultiPoint</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:pointMember*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:pointMember</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><code>ID</code></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 <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. </td> </tr> <tr> <td><code>srsName</code></td> <td><code>anyURI</code></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 <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. </td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	<code>ID</code>			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.				<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 <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.			
QName	Type	Fixed	Default	Use																						
<code>gml:id</code>	<code>ID</code>			optional																						
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<code>srsName</code>	<code>anyURI</code>			optional																						
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Source	<pre> <complexType name="MultiPointType"> <annotation> <documentation>A MultiPoint is defined by one or more Points, referenced through pointMember elements.</documentation> </annotation> </pre>																									

	<pre> </annotation> <complexContent> <extension base="gml:AbstractGeometricAggregateType"> <sequence> <element ref="gml:pointMember" minOccurs="0" maxOccurs="unbounded"/> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	<pre> classDiagram class PointPropertyType class gml::PointType PointPropertyType --> > gml::PointType </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

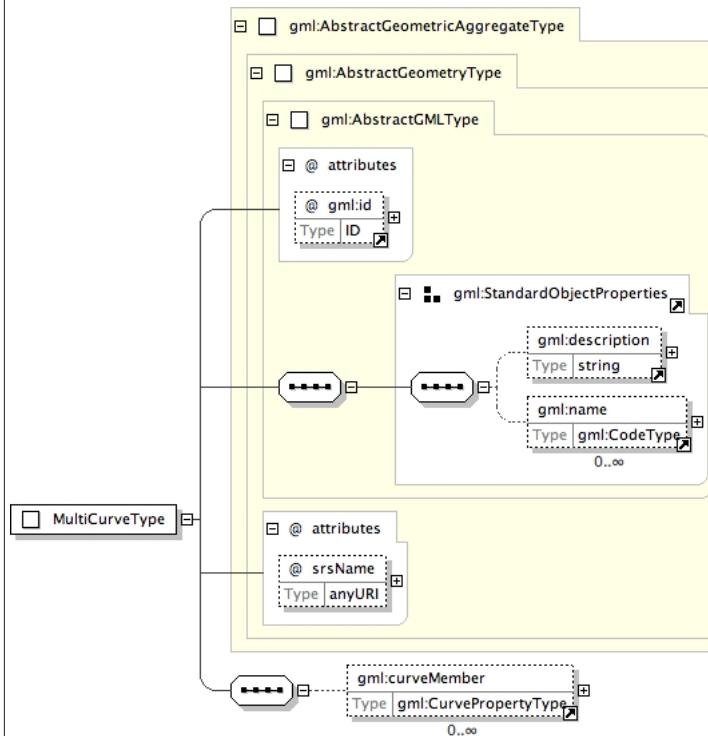
Complex Type gml:MultiPointPropertyType

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	<pre> classDiagram class MultiPointPropertyType class gml::MultiPointType MultiPointPropertyType --> > gml::MultiPointType </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/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>																									
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractGeometryType</code> <code>gml:AbstractGeometricAggregateType</code> <code>gml:MultiCurveType</code> 																									
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	<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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	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>																									

	<pre> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type `gml:Curve.PropertyType`

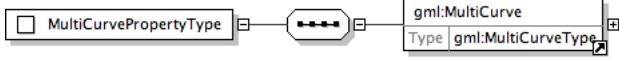
Namespace	http://www.opengis.net/gml
Annotations	A property that has a curve as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	<pre> classDiagram Curve.PropertyType < -- AbstractCurveType Curve.PropertyType { Type : gml:AbstractCurveType Abstract : true } AbstractCurveType { <<Abstract>> } </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/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	<pre> classDiagram AbstractCurveType < -- AbstractGeometricPrimitiveType AbstractCurveType { @gml:id : ID @srsName : anyURI } StandardObjectProperties { gml:description : string gml:name : CodeType[0..∞] } AbstractCurveType --> AbstractGMLType </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd																			

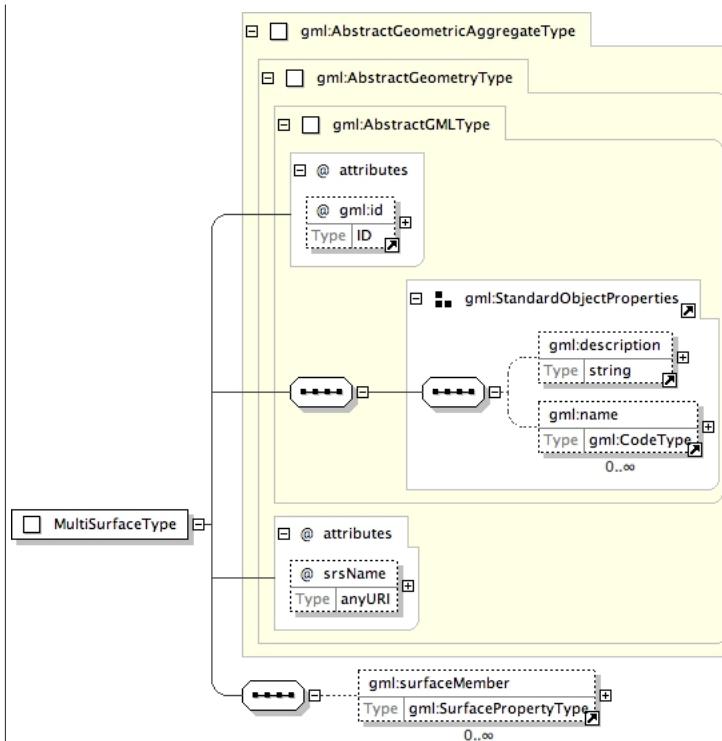
Complex Type gml:MultiCurvePropertyType

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	file:/Volumes/dendroserver/tridas.org/1.1/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 gm1:AbstractGeometricAggregateType
------	---

Type hierarchy	<ul style="list-style-type: none"> gm1:AbstractGMLType gm1:AbstractGeometryType gm1:AbstractGeometricAggregateType gm1:MultiSurfaceType
----------------	---

Used by	Element gm1:MultiSurface
---------	--------------------------

Model	gm1:description{0,1} , gm1:name* , gm1:surfaceMember*
-------	---

Children	gm1:description, gm1:name, gm1:surfaceMember
----------	--

Attributes	QName	Type	Fixed	Default	Use
	gm1: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 gm1: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="MultiSurfaceType"> <annotation> <documentation>A MultiSurface is defined by one or more Surfaces, referenced through surfaceMember elements.</documentation> </annotation> <complexContent> <extension base="gm1:AbstractGeometricAggregateType"> <sequence> <element ref="gm1:surfaceMember" minOccurs="0" maxOccurs="unbounded" /> </sequence> </extension> </complexContent> </complexType> </pre>
--------	--

	<pre> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	<pre> classDiagram class SurfacePropertyType class AbstractSurfaceType { <<Abstract>> } SurfacePropertyType < -- AbstractSurfaceType </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

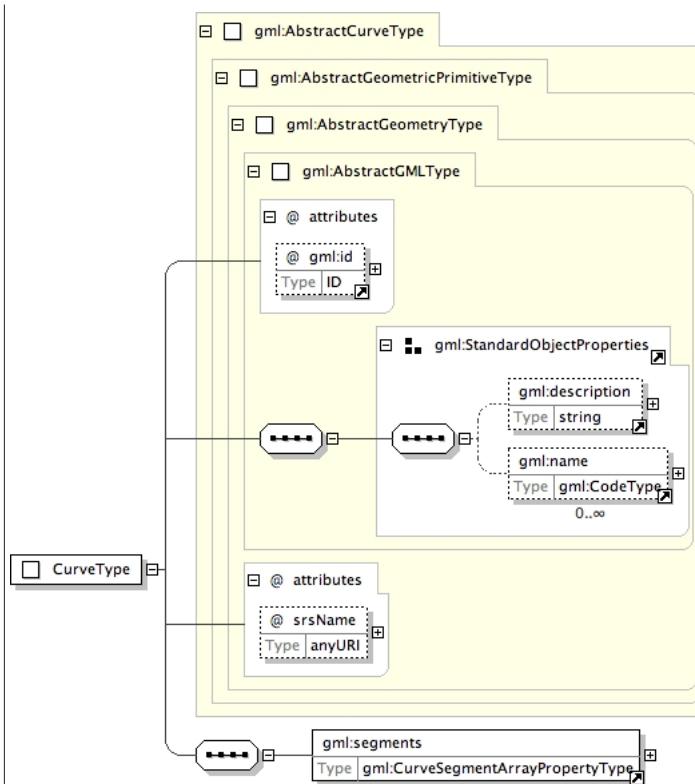
Complex Type **gml:MultiSurfacePropertyType**

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	<pre> classDiagram class MultiSurfacePropertyType class MultiSurface { <<Abstract>> } MultiSurfacePropertyType < -- MultiSurface </pre>
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	file:/Volumes/dendroserver/tridas.org/1.1/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. 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.</p>

Diagram



Type	extension of <code>gm:AbstractCurveType</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>gm:AbstractGMLType</code> • <code>gm:AbstractGeometryType</code> • <code>gm:AbstractGeometricPrimitiveType</code> • <code>gm:AbstractCurveType</code> • <code>gm:CurveType</code> 																									
Used by	Element <code>gm:Curve</code>																									
Model	<code>gm:description{0,1}</code> , <code>gm:name*</code> , <code>gm:segments</code>																									
Children	<code>gm:description</code> , <code>gm:name</code> , <code>gm:segments</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>gm:id</code></td><td><code>ID</code></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 <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.</td></tr> <tr> <td><code>srsName</code></td><td><code>anyURI</code></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>gm: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.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gm:id</code>	<code>ID</code>			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.				<code>srsName</code>	<code>anyURI</code>			optional		In general this reference points to a CRS instance of <code>gm: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.			
QName	Type	Fixed	Default	Use																						
<code>gm:id</code>	<code>ID</code>			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.																									
<code>srsName</code>	<code>anyURI</code>			optional																						
	In general this reference points to a CRS instance of <code>gm: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	<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 </pre>																									

	<p>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></p> <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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type gml:CurveSegmentArrayPropertyType

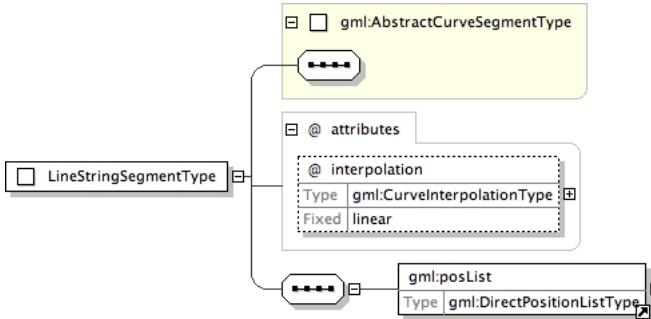
Namespace	http://www.opengis.net/gml
Annotations	A container for an array of curve segments.
Diagram	<pre> classDiagram class CurveSegmentArrayPropertyType class gml__CurveSegment { <<Abstract>> <<Type: gml:AbstractCurveSegmentType>> } CurveSegmentArrayPropertyType "0..oo" --> gml__CurveSegment </pre>
Used by	Element gml:segments
Model	gml:_CurveSegment*
Children	gml:_CurveSegment
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type gml:AbstractCurveSegmentType

Namespace	http://www.opengis.net/gml
Annotations	Curve segment defines a homogeneous segment of a curve.
Diagram	<pre> classDiagram class AbstractCurveSegmentType AbstractCurveSegmentType "0..1" </pre>
Properties	abstract: true
Used by	Element gml:_CurveSegment Complex Type gml:LineStringSegmentType
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type gml:LineStringSegmentType

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

Diagram																
Type	extension of <code>gml:AbstractCurveSegmentType</code>															
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractCurveSegmentType</code> <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></td><td></td><td>optional</td></tr> <tr> <td></td><td>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><td></td><td></td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	<code>gml:CurveInterpolationType</code>			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>			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	file:/Volumes/dendroserver/tridas.org/1.1/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> <documentation>A surface patch defines a homogenous portion of a surface.</documentation> </annotation></pre>

	<pre> </annotation> <sequence/> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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 gm:_SurfacePatch { <<gm:_SurfacePatch>> <<Type: gml:AbstractSurfacePatchType>> <<Abstract: true>> } SurfacePatchArrayPropertyType "0..>" gm:_SurfacePatch </pre>
Used by	Element gml:patches
Model	gm:_SurfacePatch*
Children	gm:_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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type `gml:PolygonPatchType`

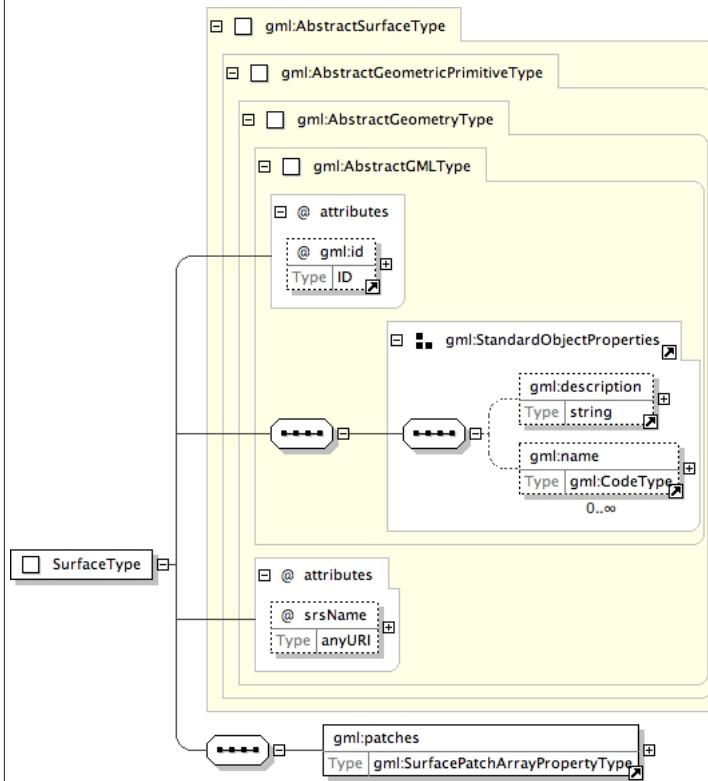
Namespace	http://www.opengis.net/gml															
Annotations	A PolygonPatch is a surface patch that is defined by a set of boundary curves and an underlying surface to which these curves adhere. The curves are coplanar and the polygon uses planar interpolation in its interior. Implements GM_Polygon of ISO 19107.															
Diagram	<pre> classDiagram class gm:AbstractSurfacePatchType class PolygonPatchType { <<@ attributes>> <<@ interpolation <<Type: gml:SurfaceInterpolationType>> <<Fixed: planar>> >> } gm:AbstractSurfacePatchType "0..>" PolygonPatchType PolygonPatchType "0..>" gm:exterior { <<Type: gml:AbstractRingPropertyType>> } PolygonPatchType "0..>" gm:interior { <<Type: gml:AbstractRingPropertyType>> } </pre>															
Type	extension of gm:AbstractSurfacePatchType															
Type hierarchy	<ul style="list-style-type: none"> • gm:AbstractSurfacePatchType • gm: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 are defined in GML 3, the attribute is fixed </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 are defined in GML 3, the attribute is fixed			
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 are defined in GML 3, the attribute is fixed															

	QName	Type	Fixed	Default	Use
			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		file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd			

Complex Type **gml:SurfaceType**

Namespace	http://www.opengis.net/gml
Annotations	<p>A Surface is a 2-dimensional primitive and is composed of one or more surface patches. The surface patches are connected to one another.</p> <p>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.</p> <p>Reversal of the surface orientation reverses the curve orientation of each boundary component, and interchanges the conceptual "up" and "down" direction of the surface.</p> <p>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.</p>

Diagram



Type	extension of <code>gml:AbstractSurfaceType</code>																									
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractGeometryType</code> <code>gml:AbstractGeometricPrimitiveType</code> <code>gml:AbstractSurfaceType</code> <code>gml:SurfaceType</code> 																									
Used by	Element <code>gml:Surface</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:patches</code>																									
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:patches</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><code>anyURI</code></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>	<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.			
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>	<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="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</pre>																									

	<p>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.</documentation></p> <pre> </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> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

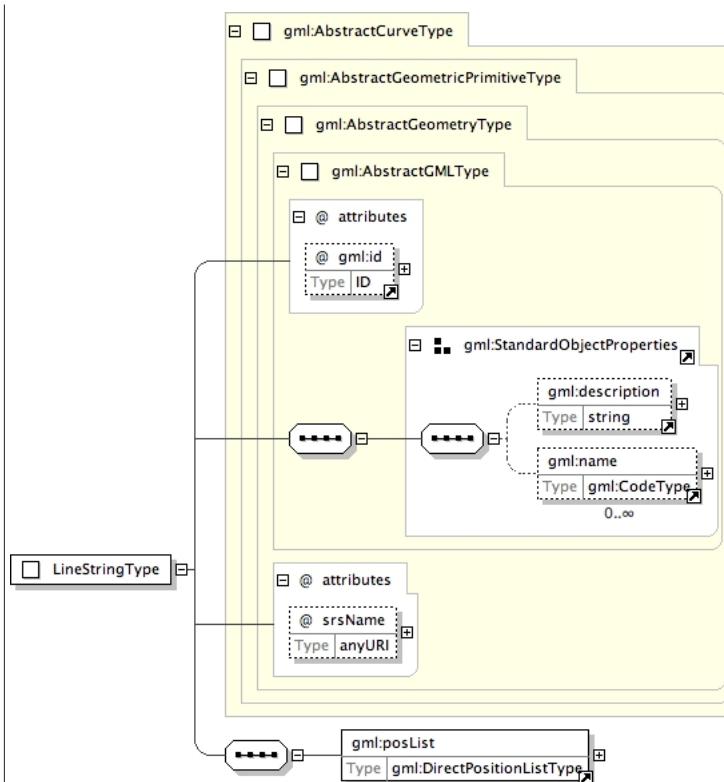
Complex Type gml:Geometry.PropertyType

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 "1" --> "1" 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	file:/Volumes/dendroserver/tridas.org/1.1/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 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="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> </annotation> <complexContent> <extension base="gml:AbstractCurveType"> <sequence> <element ref="gml:posList" /> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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 Type anyURI } class lowerCorner { Type gml:DirectPositionType } class upperCorner { Type gml:DirectPositionType } EnvelopeType --> lowerCorner EnvelopeType --> upperCorner </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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd															

Complex Type gml:AbstractFeatureType

Namespace	http://www.opengis.net/gml
Annotations	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.															
Diagram	<pre> classDiagram class gml:AbstractFeatureBaseType { <<AbstractFeatureType>> <<gml:AbstractGMLType>> <<gml:StandardObjectProperties>> } class gml:AbstractGMLType { <<@ attributes>> <<@ gml:id Type ID>> <<gml:StandardObjectProperties>> <<gml:description Type string>> <<gml:name Type gml:CodeType 0..∞>> } class AbstractFeatureType { <<gml:AbstractFeatureBaseType>> <<@ attributes>> <<@ gml:id Type ID>> <<gml:StandardObjectProperties>> <<gml:description Type string>> <<gml:name Type gml:CodeType 0..∞>> <<gml:boundedBy Type gml:BoundingShapeType>> } gml:AbstractFeatureBaseType < -- gml:AbstractGMLType gml:AbstractGMLType < -- AbstractFeatureType gml:AbstractFeatureBaseType < -- gml:StandardObjectProperties gml:AbstractGMLType < -- 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></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	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> </complexType> </pre>															

	<pre> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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 ID } class gml:AbstractFeatureBaseType { @ attributes @gml:id ID } class gml:StandardObjectProperties { gml:description string gml:name CodeType } gml:AbstractGMLType "2" -- "2" gml:AbstractFeatureBaseType gml:AbstractFeatureBaseType "2" -- "2" gml:StandardObjectProperties gml:StandardObjectProperties "2" -- "2" gml:StandardObjectProperties </pre>										
Type	restriction of gml:AbstractGMLType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureBaseType 										
Used by	Complex Type gml:AbstractFeatureType										
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>required</td> </tr> </tbody> </table> <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>	QName	Type	Fixed	Default	Use	gml:id	ID			required
QName	Type	Fixed	Default	Use							
gml:id	ID			required							
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> </pre>										

	</complexContent> </complexType>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Complex Type **gml:BoundingShapeType**

Namespace	http://www.opengis.net/gml
Annotations	Bounding shape.
Diagram	
Used by	Element gml:boundedBy
Model	gml:Envelope
Children	gml:Envelope
Source	<pre><complexType name="BoundingShapeType"> <annotation> <documentation>Bounding shape.</documentation> </annotation> <sequence> <element ref="gml:Envelope" /> </sequence> </complexType></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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																																																			
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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> </annotation> <attributeGroup ref="gml:AssociationAttributeGroup"/> </complexType></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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>> <<@ uom : anyURI>> } 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	file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/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	
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	file:/Volumes/dendroserver/tridas.org/1.1/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	
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	file:/Volumes/dendroserver/tridas.org/1.1/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	
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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Attributes

Attribute @gml:id

Namespace	http://www.opengis.net/gml
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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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Element Groups

Element Group gml:StandardObjectProperties

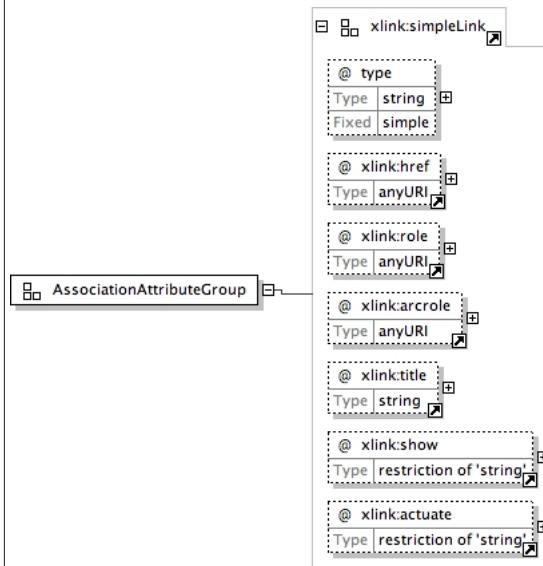
Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class StandardObjectProperties { gml:description "string" gml:name "gml:CodeType" } StandardObjectProperties < -- StandardObjectProperties </pre>
Used by	Complex Types gml:AbstractCurveType, gml:AbstractFeatureBaseType, gml:AbstractFeatureType, 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	file:/Volumes/dendroserver/tridas.org/1.1/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>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>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	xlink:arcrole	anyURI			optional	xlink:href	anyURI			optional	xlink:role	anyURI			optional	xlink:show	restriction of string			optional	xlink:title	string			optional	xlink:type	string	simple		optional			
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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	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd																																											

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

Namespace	No namespace
Used by	Complex Type controlledVoc
Source	<xs:attribute name="normalStd" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute controlledVoc/@normalId

Namespace	No namespace
Used by	Complex Type controlledVoc
Source	<xs:attribute name="normalId" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute controlledVoc/@normal

Namespace	No namespace
Used by	Complex Type controlledVoc
Source	<xs:attribute name="normal" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	<xs:attribute name="certainty" type="certainty" use="optional" />
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/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	<code><xs:attribute name="certainty" type="certainty" use="optional"/></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute year/@suffix

Namespace	No namespace
Type	restriction of xs:string
Properties	use: required
Facets	enumeration AD, BC, BP
Used by	Complex Type year
Source	<code><xs:attribute name="suffix" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="AD"/> <xs:enumeration value="BC"/> <xs:enumeration value="BP"/> </xs:restriction> </xs:simpleType> </xs:attribute></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute idRef/linkSeries/@ref

Namespace	No namespace
Type	xs:IDREF
Properties	content: simple
Used by	Element linkSeries/idRef
Source	<code><xs:attribute name="ref" type="xs:IDREF"/></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute identifier/@domain

Namespace	No namespace
Properties	use: required
Used by	Element identifier
Source	<code><xs:attribute name="domain" use="required"/></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute gml:CodeType/@codeSpace

Namespace	No namespace
Type	anyURI
Properties	use: optional
Used by	Complex Type gml:CodeType
Source	<code><attribute name="codeSpace" type="anyURI" use="optional"/></code>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.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	<pre><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></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Attribute genericField/@name

Namespace	No namespace
Properties	use: required
Used by	Element genericField
Source	<pre><x:attribute name="name" use="required" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute genericField/@type

Namespace	No namespace
Properties	use: optional
Used by	Element genericField
Source	<pre><x:attribute name="type" use="optional" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute name/@acronym

Namespace	No namespace
Properties	use: optional
Used by	Element name
Source	<pre><x:attribute name="acronym" use="optional" /></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute category/@normalTridas

Namespace	No namespace
Type	restriction of xs:string
Properties	content: simple
Facets	enumeration
Used by	Element category
Source	<pre><x:attribute name="normalTridas"> <x:simpleType> <x:restriction base="xs:string"> <x:enumeration value="" /> </x:restriction> </x:simpleType> </x:attribute></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute taxon/@normalTridas

Namespace	No namespace
Type	restriction of xs:string
Properties	content: simple
Facets	enumeration
Used by	Element taxon
Source	<pre><xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute shape/@normalTridas

Namespace	No namespace
Type	restriction of xs:string
Properties	content: simple
Facets	enumeration
Used by	Element shape
Source	<pre><xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute unit/@normalTridas

Namespace	No namespace
Type	restriction of xs:string
Properties	content: simple
Facets	enumeration micrometres, 1/100th millimetres, 1/10th millimetres, millimetres, centimetres, metres
Used by	Element unit
Source	<pre><xs:attribute name="normalTridas"> <xs:simpleType> <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> </xs:attribute></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute pith/@presence

Namespace	No namespace
Type	restriction of xs:string
Properties	use: required
Facets	enumeration present, absent

Used by	Element	pith
Source		<pre><xs:attribute name="presence" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute heartwood/@presence

Namespace	No namespace	
Properties	use:	required
Used by	Element	heartwood
Source		<pre><xs:attribute name="presence" use="required"/></pre>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute sapwood/@presence

Namespace	No namespace	
Type	restriction of xs:string	
Properties	use:	required
Facets	enumeration	not applicable, absent, complete, incomplete
Used by	Element	sapwood
Source		<pre><xs:attribute name="presence" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="not applicable"/> <xs:enumeration value="absent"/> <xs:enumeration value="complete"/> <xs:enumeration value="incomplete"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute bark/@presence

Namespace	No namespace	
Type	restriction of xs:string	
Properties	use:	required
Facets	enumeration	present, absent
Used by	Element	bark
Source		<pre><xs:attribute name="presence" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
Schema location		file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd

Attribute measuringMethod/@normalTridas

Namespace	No namespace	
Type	restriction of xs:string	
Properties	content:	simple

Facets	enumeration	
Used by	Element measuringMethod	
Source	<pre><xs:attribute name="normalTridas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute variable/@normalTridas

Namespace	No namespace	
Type	restriction of xs:string	
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"> <xs:simpleType> <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> </xs:attribute></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute remark/@normalTridas

Namespace	No namespace	
Type	restriction of xs:string	
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"> <xs:simpleType> <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> </xs:attribute></pre>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute value/@value

Namespace	No namespace	
Type	xs:string	

Properties	use:	required
Used by	Element	value
Source	<xs:attribute name="value" type="xs:string" use="required"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute value/@index

Namespace	No namespace	
Type	xs:string	
Properties	use:	required
Used by	Element	value
Source	<xs:attribute name="index" type="xs:string" use="required"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute value/@count

Namespace	No namespace	
Type	xs:integer	
Properties	use:	optional
Used by	Element	value
Source	<xs:attribute name="count" type="xs:integer" use="optional"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute measurementSeries/@id

Namespace	No namespace	
Type	xs:ID	
Properties	content:	simple
Used by	Element	measurementSeries
Source	<xs:attribute name="id" type="xs:ID"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute measurementSeriesPlaceholder/@id

Namespace	No namespace	
Type	xs:ID	
Properties	use:	required
Used by	Element	measurementSeriesPlaceholder
Source	<xs:attribute name="id" type="xs:ID" use="required"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute derivedSeries/@id

Namespace	No namespace	
Type	xs:ID	
Properties	content:	simple
Used by	Element	derivedSeries
Source	<xs:attribute name="id" type="xs:ID"/>	
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/tridas.xsd	

Attribute gml:LineStringSegmentType/@interpolation

Namespace	No namespace
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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	<pre><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></pre>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/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	file:/Volumes/dendroserver/tridas.org/1.1/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>

	</attribute>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd

Attribute gml:MeasureType/@uom

Namespace	No namespace
Type	anyURI
Properties	use: required
Used by	Complex Type gml:MeasureType
Source	<attribute name="uom" type="anyURI" use="required"/>
Schema location	file:/Volumes/dendroserver/tridas.org/1.1/gmlsf.xsd