

Schema documentation for tridas-1.2.1.xsd

17 september 2010

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Namespace: "<http://www.tridas.org/1.2.1>"

Schemas

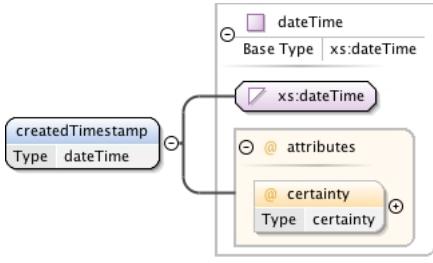
Main schema **tridas-1.2.1.xsd**

Namespace	http://www.tridas.org/1.2.1
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

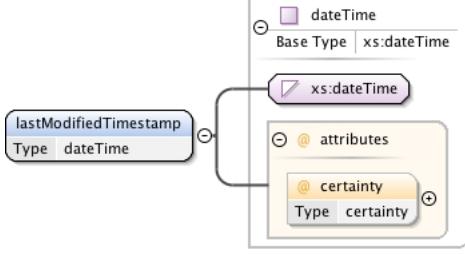
Elements

Element **createdTimestamp**

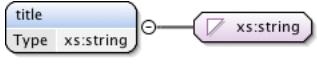
Namespace	http://www.tridas.org/1.2.1
Annotations	Field containing date and time when this record was created.

Diagram											
Type	dateTime										
Properties	content: complex										
Used by	Complex Types baseSeries, tridasEntity Elements derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="createdTimestamp" type="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">Field containing date and time when this record was created.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element lastModifiedTimestamp

Namespace	http://www.tridas.org/1.2.1										
Annotations	Field containing date and time when this records was last updated.										
Diagram											
Type	dateTime										
Properties	content: complex										
Used by	Complex Types baseSeries, tridasEntity Elements derivedSeries, element, measurementSeries, object, project, radius, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="lastModifiedTimestamp" type="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">Field containing date and time when this records was last updated.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element title

Namespace	http://www.tridas.org/1.2.1
Annotations	Title or name of this entity. This should be a 'human readable' name by which the entity is referred.
Diagram	
Type	xs:string

Properties	content:	simple
Used by	Complex Types	baseSeries, tridasEntity
	Elements	derivedSeries, element, measurementSeries, object, project, radius, sample
Source	<pre><xs:element name="title" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Title or name of this entity. This should be a 'human readable' name by which the entity is referred.</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element identifier

Namespace	http://www.tridas.org/1.2.1																			
Annotations	Identifier for this entity which in combination with the domain should be unique. This is typically a computer generated code such as a database primary key.																			
Diagram	<pre> classDiagram class identifier { <<extension of 'xs:string'>> @ attributes @ domain } identifier < -- xs:string </pre>																			
Type	extension of xs:string																			
Properties	content: complex																			
Used by	Complex Types baseSeries, seriesLink, tridasEntity Elements derivedSeries, element, laboratory, measurementSeries, object, project, radius, research, 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>domain</td> <td></td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	domain				required		The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.							
QName	Type	Fixed	Default	Use																
domain				required																
	The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.																			
Source	<pre><xs:element name="identifier"> <xs:annotation> <xs:documentation xml:lang="EN">Identifier for this entity which in combination with the domain should be unique. This is typically a computer generated code such as a database primary key.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="domain" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>																			
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd																			

Element comments

Namespace	http://www.tridas.org/1.2.1				
Annotations	More information about this entity.				
Diagram	<pre> classDiagram class comments { <<xs:string>> } comments < -- xs:string </pre>				
Type	xs:string				
Properties	content: simple				
Used by	Complex Types baseSeries, tridasEntity				

	Elements	derivedSeries, element, measurementSeries, object, project, radius, sample
Source		<pre><xs:element name="comments" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">More information about this entity.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element seriesLink / idRef

Namespace	http://www.tridas.org/1.2.1														
Diagram	<p>The diagram shows an attribute named 'idRef' with a multiplicity of 0..1. It points to another element labeled 'ref' with a multiplicity of 0..1. The 'ref' element is annotated with 'Type xs:IDREF'.</p>														
Properties	content: complex														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ref</td> <td>xs:IDREF</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ref	xs:IDREF			optional
QName	Type	Fixed	Default	Use											
ref	xs:IDREF			optional											
Source	<pre><xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element></pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

Element seriesLink / xlink

Namespace	http://www.tridas.org/1.2.1														
Diagram	<p>The diagram shows an attribute named 'xlink:href' with a multiplicity of 0..1. It is annotated with 'Type anyURI'.</p>														
Properties	content: complex														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	xlink:href	anyURI			optional
QName	Type	Fixed	Default	Use											
xlink:href	anyURI			optional											
Source	<pre><xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element></pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

Element seriesLinks / series

Namespace	http://www.tridas.org/1.2.1										
Diagram	<p>The diagram shows a complex type named 'seriesLink'. It has three child elements: 'idRef' (multiplicity 0..1), 'xLink' (multiplicity 0..1), and 'identifier' (multiplicity 0..1). The 'identifier' element is annotated with 'Type extension of 'xs:string''.</p>										
Type	seriesLink										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex										
minOccurs:	0										
maxOccurs:	unbounded										
Model	idRef xlink identifier										
Children	idRef, identifier, xLink										

Instance	<pre><series> <idRef ref="">{1,1}</idRef> <xLink xlink:href="">{1,1}</xLink> <identifier domain="">{1,1}</identifier> </series></pre>
Source	<xs:element name="series" type="seriesLink" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element seriesLinksWithPreferred / preferredSeries

Namespace	http://www.tridas.org/1.2.1
Diagram	
Type	seriesLink
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	idRef xLink identifier
Children	idRef, identifier, xLink
Instance	<pre><preferredSeries> <idRef ref="">{1,1}</idRef> <xLink xlink:href="">{1,1}</xLink> <identifier domain="">{1,1}</identifier> </preferredSeries></pre>
Source	<xs:element name="preferredSeries" type="seriesLink" minOccurs="0" maxOccurs="1" />
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element type

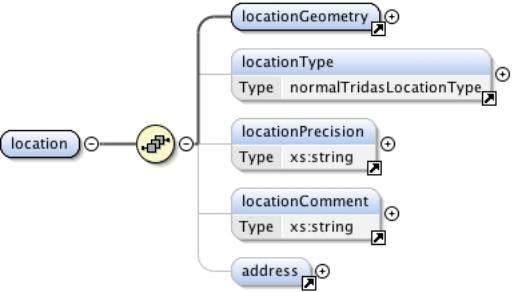
Namespace	http://www.tridas.org/1.2.1															
Annotations	The type of entity this is. Preferably derived from a controlled vocabulary.															
Diagram																
Type	controlledVoc															
Properties	<p>content: complex</p>															
Used by	<p>Elements</p> <p>derivedSeries, element, object, project, sample, statFoundation, vocabulary/derivedSeries.type, vocabulary;element.type, vocabulary/object.type, vocabulary/project.type, vocabulary/sample.type</p> <p>Complex Type</p> <p>baseSeries</p>															
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>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The language this term is in. Default is EN if not specified.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional			The language this term is in. Default is EN if not specified.		
QName	Type	Fixed	Default	Use												
lang	xs:language			optional												
		The language this term is in. Default is EN if not specified.														

	QName	Type	Fixed	Default	Use				
	normal				optional				
		The normalised name for this entry							
	normalId				optional				
		The ID value in the standard dictionary corresponding to this entry							
	normalStd				optional				
		The name of the standard used to control this vocabulary							
Source	<xs:element name="type" type="controlledVoc"> <xs:annotation> <xs:documentation xml:lang="EN">The type of entity this is. Preferably derived from a controlled vocabulary.</xs:documentation> </xs:annotation> </xs:element>								
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd								

Element description

Namespace	http://www.tridas.org/1.2.1
Annotations	General description of this entity.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Elements element, object, project, research, sample
Source	<xs:element name="description" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">General description of this entity.</xs:documentation> </xs:annotation> </xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element location

Namespace	http://www.tridas.org/1.2.1
Annotations	Details about the geographical location of this entity.
Diagram	
Properties	content: complex
Used by	Elements derivedSeries, element, object Complex Type baseSeries
Model	locationGeometry , locationType{0,1} , locationPrecision{0,1} , locationComment{0,1} , address{0,1}
Children	address, locationComment, locationGeometry, locationPrecision, locationType
Instance	<location> <locationGeometry>{1,1}</locationGeometry> <locationType>{0,1}</locationType> <locationPrecision>{0,1}</locationPrecision> <locationComment>{0,1}</locationComment> <address>{0,1}</address> </location>
Source	<xs:element name="location"> <xs:annotation>

	<pre> <xs:documentation xml:lang="EN">Details about the geographical location of this entity.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="locationGeometry"/> <xs:element ref="locationType" minOccurs="0"/> <xs:element ref="locationPrecision" minOccurs="0"/> <xs:element ref="locationComment" minOccurs="0"/> <xs:element ref="address" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element locationGeometry

Namespace	http://www.tridas.org/1.2.1
Annotations	GML representation of a location. Can be either a point to represent a particular location or a polygon to represent an area or a geographical extent / bounding box.
Diagram	<pre> classDiagram class locationGeometry { <<locationGeometry>> <<gml:Point>> <<gml:Polygon>> } locationGeometry < -- disjointUnion(gml:Point, gml:Polygon) </pre>
Properties	content: complex
Used by	Element location
Model	gml:Point gml:Polygon
Children	gml:Point, gml:Polygon
Instance	<pre> <locationGeometry> <gml:Point gml:id="" srsName="">{1,1}</gml:Point> <gml:Polygon gml:id="" srsName="">{1,1}</gml:Polygon> </locationGeometry> </pre>
Source	<pre> <xs:element name="locationGeometry"> <xs:annotation> <xs:documentation xml:lang="EN">GML representation of a location. Can be either a point to represent a particular location or a polygon to represent an area or a geographical extent / bounding box.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice> <xs:element ref="gml:Point"/> <xs:element ref="gml:Polygon"/> </xs:choice> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element locationType

Namespace	http://www.tridas.org/1.2.1										
Annotations	The type of location that the geometry field represents taken from the TRiDaS controlled vocabulary.										
Diagram	<pre> classDiagram class locationType { <<normalTridasLocationType>> <<Type>> } locationType < -- disjointUnion(normalTridasLocationType, Type) </pre>										
Type	normalTridasLocationType										
Properties	content: simple										
Facets	<table border="1"> <tr> <td>enumeration</td><td>Growth location</td></tr> <tr> <td>enumeration</td><td>Location of use (static)</td></tr> <tr> <td>enumeration</td><td>Location of use (mobile)</td></tr> <tr> <td>enumeration</td><td>Current location</td></tr> <tr> <td>enumeration</td><td>Manufacture location</td></tr> </table>	enumeration	Growth location	enumeration	Location of use (static)	enumeration	Location of use (mobile)	enumeration	Current location	enumeration	Manufacture location
enumeration	Growth location										
enumeration	Location of use (static)										
enumeration	Location of use (mobile)										
enumeration	Current location										
enumeration	Manufacture location										
Used by	Elements location, vocabulary/location.type										

Source	<pre><xss:element name="locationType" type="normalTridasLocationType"> <xss:annotation> <xss:documentation xml:lang="EN">The type of location that the geometry field represents taken from the TRiDaS controlled vocabulary.</xss:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

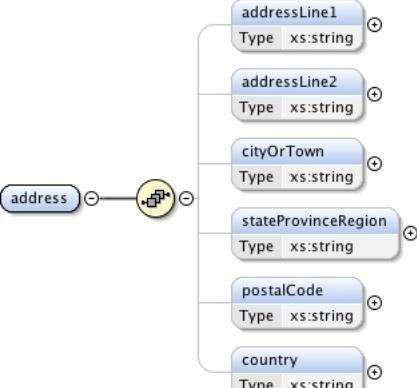
Element locationPrecision

Namespace	http://www.tridas.org/1.2.1
Annotations	Stores potential difference; number of meters difference, so 0 is exact.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xss:element name="locationPrecision" type="xs:string"> <xss:annotation> <xss:documentation xml:lang="EN">Stores potential difference; number of meters difference, so 0 is exact.</xss:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element locationComment

Namespace	http://www.tridas.org/1.2.1
Annotations	Additional information about the location, for example, point taken from center or corner of area, which corner
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element location
Source	<pre><xss:element name="locationComment" type="xs:string"> <xss:annotation> <xss:documentation xml:lang="EN">Additional information about the location, for example, point taken from center or corner of area, which corner</xss:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element address

Namespace	http://www.tridas.org/1.2.1
Annotations	Address information about this location
Diagram	

Properties	content: complex
Used by	Elements laboratory, location
Model	addressLine1{0,1} , addressLine2{0,1} , cityOrTown{0,1} , stateProvinceRegion{0,1} , postalCode{0,1} , country{0,1}
Children	addressLine1, addressLine2, cityOrTown, country, postalCode, stateProvinceRegion
Instance	<pre><address> <addressLine1>{0,1}</addressLine1> <addressLine2>{0,1}</addressLine2> <cityOrTown>{0,1}</cityOrTown> <stateProvinceRegion>{0,1}</stateProvinceRegion> <postalCode>{0,1}</postalCode> <country>{0,1}</country> </address></pre>
Source	<pre><xss:element name="address"> <xss:annotation> <xss:documentation xml:lang="EN">Address information about this location</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="addressLine1" type="xs:string" minOccurs="0"/> <xss:element name="addressLine2" type="xs:string" minOccurs="0"/> <xss:element name="cityOrTown" type="xs:string" minOccurs="0"/> <xss:element name="stateProvinceRegion" type="xs:string" minOccurs="0"/> <xss:element name="postalCode" type="xs:string" minOccurs="0"/> <xss:element name="country" type="xs:string" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element address / addressLine1

Namespace	http://www.tridas.org/1.2.1
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre><xss:element name="addressLine1" type="xs:string" minOccurs="0"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element address / addressLine2

Namespace	http://www.tridas.org/1.2.1
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre><xss:element name="addressLine2" type="xs:string" minOccurs="0"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element address / cityOrTown

Namespace	http://www.tridas.org/1.2.1
Diagram	
Type	xs:string
Properties	content: simple

	minOccurs:	0
Source	<xs:element name="cityOrTown" type="xs:string" minOccurs="0" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element address / stateProvinceRegion

Namespace	http://www.tridas.org/1.2.1				
Diagram	<pre> graph LR SP[stateProvinceRegion] --> Type[xs:string] subgraph Legend [] L1[Type xs:string] end </pre>				
Type	xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<xs:element name="stateProvinceRegion" type="xs:string" minOccurs="0" />				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element address / postalCode

Namespace	http://www.tridas.org/1.2.1				
Diagram	<pre> graph LR PC[postalCode] --> Type[xs:string] subgraph Legend [] L1[Type xs:string] end </pre>				
Type	xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<xs:element name="postalCode" type="xs:string" minOccurs="0" />				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element address / country

Namespace	http://www.tridas.org/1.2.1				
Diagram	<pre> graph LR C[country] --> Type[xs:string] subgraph Legend [] L1[Type xs:string] end </pre>				
Type	xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<xs:element name="country" type="xs:string" minOccurs="0" />				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element file

Namespace	http://www.tridas.org/1.2.1										
Annotations	Filename of a file associated with this entity.										
Diagram	<pre> graph LR F[file] --> At[@ attributes] F --> Xlink[xlink:href] subgraph Legend [] L1[@ attributes] L2[@ xlink:href] end </pre>										
Properties	content: complex										
Used by	Elements element, object, project, sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:href	anyURI			required
QName	Type	Fixed	Default	Use							
xlink:href	anyURI			required							
Source	<xs:element name="file"> <xs:annotation>										

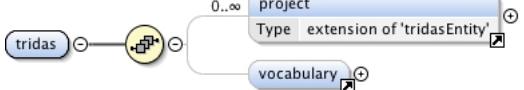
	<pre> <xs:documentation xml:lang="EN">Filename of a file associated with this entity.</xs:documentation> </xs:annotation> <xss:complexType> <xs:attribute ref="xlink:href" use="required"/> </xss:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element genericField

Namespace	http://www.tridas.org/1.2.1																												
Annotations	Generic field for storing key/value pairs for data not currently supported in the TRiDaS standard																												
Diagram	<pre> classDiagram class genericField { <<Type extension of 'xs:string'>> } class xsString { <<xs:string>> } genericField < -- xsString genericField <--> @attributes @attributes <--> @name @name <--> @type @type <<Type restriction of 'xs:string'>> </pre>																												
Type	extension of xs:string																												
Properties	content: complex																												
Used by	<table> <tr> <td>Elements</td> <td>derivedSeries, element, measurementSeries, object, project, radius, sample</td> </tr> <tr> <td>Complex Type</td> <td>baseSeries</td> </tr> </table>					Elements	derivedSeries, element, measurementSeries, object, project, radius, sample	Complex Type	baseSeries																				
Elements	derivedSeries, element, measurementSeries, object, project, radius, sample																												
Complex Type	baseSeries																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>name</td> <td></td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Name of the field.</td></tr> <tr> <td>type</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The data type that this field contains.</td></tr> </tbody> </table>				QName	Type	Fixed	Default	Use	name				required		Name of the field.				type	restriction of xs:string			optional		The data type that this field contains.			
QName	Type	Fixed	Default	Use																									
name				required																									
	Name of the field.																												
type	restriction of xs:string			optional																									
	The data type that this field contains.																												
Source	<pre> <xs:element name="genericField"> <xs:annotation> <xs:documentation xml:lang="EN">Generic field for storing key/value pairs for data not currently supported in the TRiDaS standard</xs:documentation> </xs:annotation> <xss:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Name of the field.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="type" use="optional"> <xs:annotation> <xs:documentation>The data type that this field contains.</xs:documentation> </xs:annotation> </xs:attribute> <xs:restriction base="xs:string"> <xs:enumeration value="xs:string"/> <xs:enumeration value="xs:boolean"/> <xs:enumeration value="xs:int"/> <xs:enumeration value="xs:float"/> <xs:enumeration value="xs:date"/> <xs:enumeration value="xs:dateTime"/> <xs:enumeration value="xs:duration"/> </xs:restriction> </xs:simpleType> </xs:extension> </xss:complexType> </xs:element> </pre>																												
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd																												

Element tridas

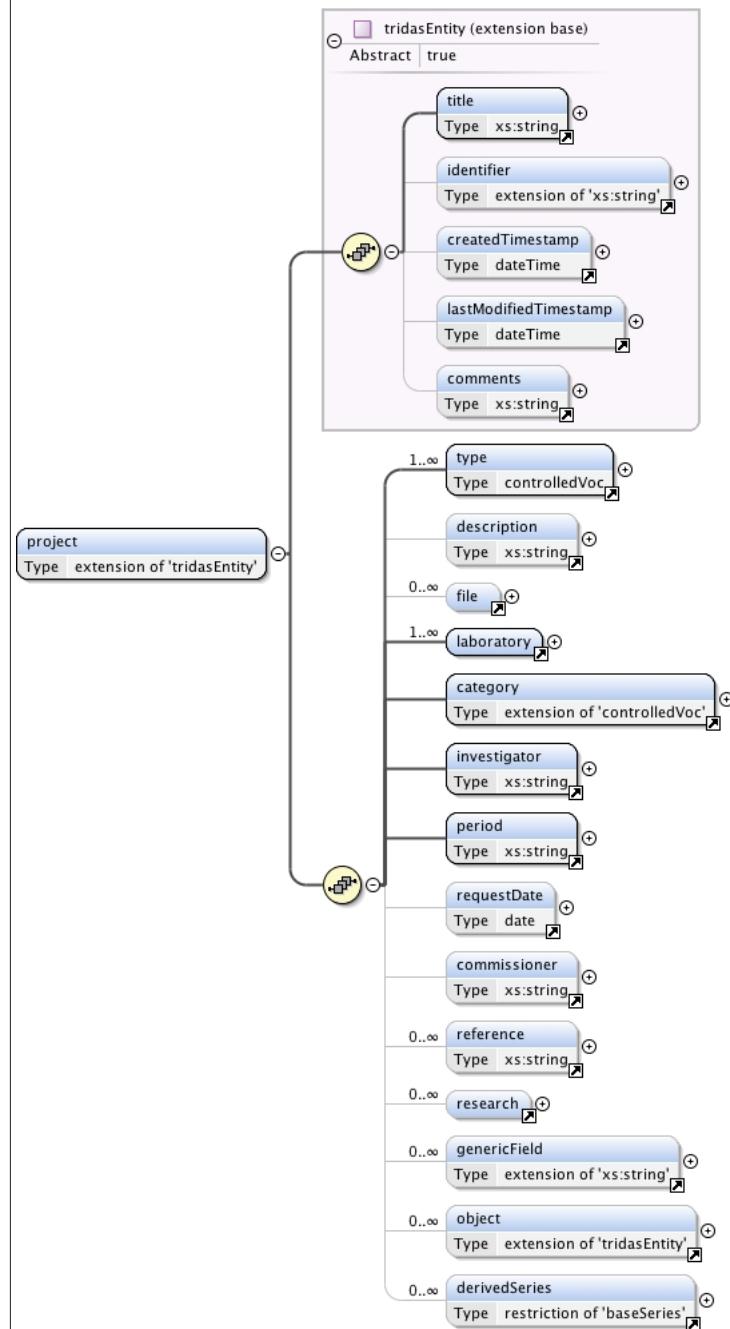
Namespace	http://www.tridas.org/1.2.1
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Diagram	
Properties	content: complex
Model	project* , vocabulary{0,1}
Children	project, vocabulary
Instance	<pre><tridas> <project>{0,unbounded}</project> <vocabulary>{0,1}</vocabulary> </tridas></pre>
Source	<pre><xs:element name="tridas"> <xs:complexType> <xs:sequence> <xs:element ref="project" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="vocabulary" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element project

Namespace	http://www.tridas.org/1.2.1
Annotations	A project is defined by a laboratory and encompasses dendrochronological research of a particular object or group of objects. Examples include: the dating of a building; the research of forest dynamics in a stand of living trees; the dating of all Rembrandt paintings in a museum. What is considered a 'project' is up to the laboratory performing the research. It could be the dating of a group of objects, but the laboratory can also decide to define a separate project for each object. Therefore, a project can have one or more objects associated with it.

Diagram



Type	extension of tridasEntity
Type hierarchy	• tridasEntity
Properties	content: complex
Used by	Element tridas
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type+ , description{0,1} , file* , laboratory+ , category , investigator , period , requestDate{0,1} , commissioner{0,1} , reference* , research* , genericField* , object* , derivedSeries*
Children	category, comments, commissioner, createdTimestamp, derivedSeries, description, file, genericField, identifier, investigator, laboratory, lastModifiedTimestamp, object, period, reference, research, title, type
Instance	<pre> <project> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </project> </pre>

Source	<pre> <xs:element name="project"> <xs:annotation> <xs:documentation xml:lang="EN">A project is defined by a laboratory and encompasses dendrochronological research of a particular object or group of objects. Examples include: the dating of a building; the research of forest dynamics in a stand of living trees; the dating of all Rembrandt paintings in a museum. What is considered a 'project' is up to the laboratory performing the research. It could be the dating of a group of objects, but the laboratory can also decide to define a separate project for each object. Therefore, a project can have one or more objects associated with it.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type" maxOccurs="unbounded"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="laboratory" maxOccurs="unbounded"/> <xs:element ref="category"/> <xs:element ref="investigator"/> <xs:element ref="period"/> <xs:element ref="requestDate" minOccurs="0"/> <xs:element ref="commissioner" minOccurs="0"/> <xs:element ref="reference" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="research" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="object" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="derivedSeries" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element laboratory

Namespace	http://www.tridas.org/1.2.1
Annotations	The dendrochronological research laboratory where this work was done.
Diagram	<pre> classDiagram class laboratory { identifier name address } laboratory < -- identifier laboratory < -- name laboratory < -- address </pre>
Properties	content: complex
Used by	Element project
Model	identifier{0,1} , name , address
Children	address, identifier, name
Instance	<pre> <laboratory> <identifier domain="">{0,1}</identifier> <name acronym="">{1,1}</name> <address>{1,1}</address> </laboratory> </pre>
Source	<pre> <xs:element name="laboratory"> <xs:annotation> <xs:documentation xml:lang="EN">The dendrochronological research laboratory where this work was done.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="identifier" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Identifier for the laboratory.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="name"> <xs:complexType> <xs:annotation> <xs:documentation xml:lang="EN">Name of the laboratory.</xs:documentation> </xs:annotation> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

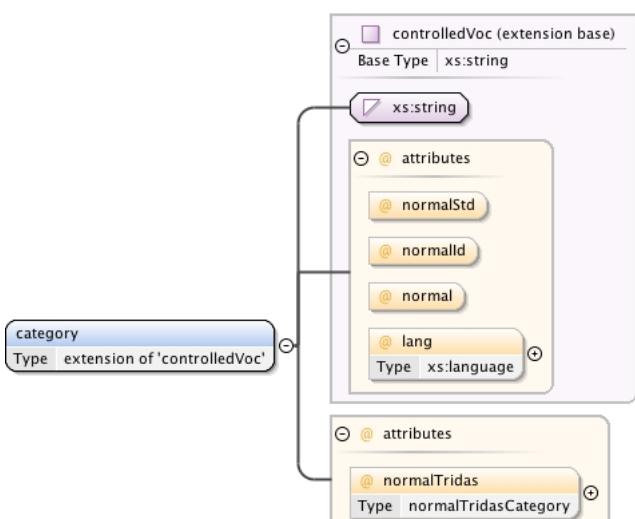
	<pre> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="acronym" use="optional"> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element ref="address"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element laboratory / name

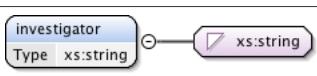
Namespace	http://www.tridas.org/1.2.1															
Diagram	<pre> classDiagram class name { <<Type extension of 'xs:string'>> } class xsString { <<xs:string>> } class attributes { <<@ attributes>> } class acronym { <<@ acronym>> } name < -- xsString name < -- attributes name < -- acronym acronym *--o attributes </pre>															
Type	extension of xs:string															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>acronym</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td colspan="5">Acronym of the laboratory.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	acronym				optional	Acronym of the laboratory.				
QName	Type	Fixed	Default	Use												
acronym				optional												
Acronym of the laboratory.																
Source	<pre> <xs:element name="name"> <xs:complexType> <xs:annotation> <xs:documentation xml:lang="EN">Name of the laboratory.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="acronym" use="optional"> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element category

Namespace	http://www.tridas.org/1.2.1
Annotations	Category of research this project falls into. Preferably from a controlled vocabulary.

Diagram																																																								
Type	extension of controlledVoc																																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																																							
Properties	content: complex																																																							
Used by	Elements project, vocabulary/project.category																																																							
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>lang</td><td>xs:language</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The language this term is in. Default is EN if not specified.</td></tr> <tr> <td>normal</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The normalised name for this entry</td></tr> <tr> <td>normalId</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The name of the standard used to control this vocabulary</td></tr> <tr> <td>normalTridas</td><td>normalTridasCategory</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">TRiDaS controlled vocabulary of research categories.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional		The language this term is in. Default is EN if not specified.				normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary				normalTridas	normalTridasCategory			optional		TRiDaS controlled vocabulary of research categories.			
QName	Type	Fixed	Default	Use																																																				
lang	xs:language			optional																																																				
	The language this term is in. Default is EN if not specified.																																																							
normal				optional																																																				
	The normalised name for this entry																																																							
normalId				optional																																																				
	The ID value in the standard dictionary corresponding to this entry																																																							
normalStd				optional																																																				
	The name of the standard used to control this vocabulary																																																							
normalTridas	normalTridasCategory			optional																																																				
	TRiDaS controlled vocabulary of research categories.																																																							
Source	<pre> <xs:element name="category"> <xs:annotation> <xs:documentation xml:lang="EN">Category of research this project falls into. Preferably from a controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasCategory"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary of research categories.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																																																							
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd																																																							

Element investigator

Namespace	http://www.tridas.org/1.2.1
Annotations	Principal investigator of this project.
Diagram	

Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="investigator" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Principal investigator of this project.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element period

Namespace	http://www.tridas.org/1.2.1
Annotations	When the dendrochronological project took place. Could consist of a start- and end-date. If unknown it should be estimated.
Diagram	<pre> classDiagram class period { xs:string } period < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="period" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">When the dendrochronological project took place. Could consist of a start- and end-date. If unknown it should be estimated.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element requestData

Namespace	http://www.tridas.org/1.2.1										
Annotations	Date of the request for dendrochronology. If unknown it should be estimated.										
Diagram	<pre> classDiagram class requestData { date @certainty } requestData < -- date requestData < -- xs:date class requestData { @certainty } </pre>										
Type	date										
Properties	content: complex										
Used by	Element project										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="requestData" type="date"> <xs:annotation> <xs:documentation xml:lang="EN">Date of the request for dendrochronology. If unknown it should be estimated.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element commissioner

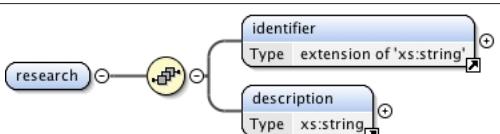
Namespace	http://www.tridas.org/1.2.1
-----------	-----------------------------

Annotations	The person/organisation who commissioned the project.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="commissioner" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">The person/organisation who commissioned the project.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element reference

Namespace	http://www.tridas.org/1.2.1
Annotations	Citations of publications relating to this project.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element project
Source	<pre><xs:element name="reference" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Citations of publications relating to this project.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element research

Namespace	http://www.tridas.org/1.2.1
Annotations	National/International system in which the research project is registered.
Diagram	
Properties	content: complex
Used by	Element project
Model	identifier , description
Children	description, identifier
Instance	<pre><research> <identifier domain="">{1,1}</identifier> <description>{1,1}</description> </research></pre>
Source	<pre><xs:element name="research"> <xs:annotation> <xs:documentation xml:lang="EN">National/International system in which the research project is registered.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="identifier"/> <xs:element ref="description"/> </xs:sequence> </xs:complexType></pre>

	</xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element object

Namespace	http://www.tridas.org/1.2.1
Annotations	<p>An object is the item to be investigated. Examples include: violin; excavation site; painting on a wooden panel; water well; church; carving; ship; forest. An object could also be more specific, for example: mast of a ship; roof of a church. Depending on the object type various descriptions are made possible. An object can have one or more elements and can also refer to another (sub) object. For instance a single file may contain three objects: an archaeological site object, within which there is a building object, within which there is a beam object. The list of possible object types is extensible and is thus flexible enough to incorporate the diversity of data required by the dendro community. Only information that is essential for dendrochronological research is recorded here. Other related data may be provided in the form of a link to an external database such as a museum catalogue.</p>
Diagram	<pre> classDiagram class tridasEntity { title identifier createdTimestamp lastModifiedTimestamp comments } class object { <<extension of 'tridasEntity'>> type description linkSeries file * creator owner coverage location genericField * object * element * } tridasEntity < -- object </pre>
Type	extension of tridasEntity
Type hierarchy	• tridasEntity
Properties	content: complex
Used by	Elements object, project
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , type , description{0,1} , linkSeries{0,1} , file* , creator{0,1} , owner{0,1} , coverage{0,1} , location{0,1} , genericField* , object* , element*

Children	comments, coverage, createdTimestamp, creator, description, element, file, genericField, identifier, lastModifiedTimestamp, linkSeries, location, object, owner, title, type
Instance	<pre><object> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </object></pre>
Source	<pre><xs:element name="object"> <xs:annotation> <xs:documentation xml:lang="EN">An object is the item to be investigated. Examples include: violin; excavation site; painting on a wooden panel; water well; church; carving; ship; forest. An object could also be more specific, for example: mast of a ship; roof of a church. Depending on the object type various descriptions are made possible. An object can have one or more elements and can also refer to another (sub) object. For instance a single file may contain three objects: an archaeological site object, within which there is a building object, within which there is a beam object. The list of possible object types is extensible and is thus flexible enough to incorporate the diversity of data required by the dendro community. Only information that is essential for dendrochronological research is recorded here. Other related data may be provided in the form of a link to an external database such as a museum catalogue.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type"/> <xs:element ref="description" minOccurs="0"/> <xs:element name="linkSeries" type="seriesLinksWithPreferred" minOccurs="0" maxOccurs="1"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="creator" minOccurs="0"/> <xs:element ref="owner" minOccurs="0"/> <xs:element ref="coverage" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="object" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="element" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element object / linkSeries

Namespace	http://www.tridas.org/1.2.1						
Diagram	<pre> classDiagram class linkSeries { <<seriesLinksWithPreferred>> } class preferredSeries { <<seriesLink>> } linkSeries "0..1" -- "1..1" preferredSeries </pre>						
Type	seriesLinksWithPreferred						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	preferredSeries{0,1}						
Children	preferredSeries						
Instance	<pre><linkSeries> <preferredSeries>{0,1}</preferredSeries> </linkSeries></pre>						
Source	<pre><xs:element name="linkSeries" type="seriesLinksWithPreferred" minOccurs="0" maxOccurs="1"/></pre>						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd						

Element creator

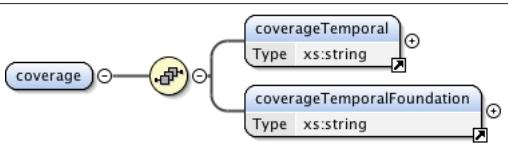
Namespace	http://www.tridas.org/1.2.1
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Annotations	Name of creator, place of the workshop/wharf etc.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element object
Source	<pre><xs:element name="creator" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of creator, place of the workshop/wharf etc.</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element owner

Namespace	http://www.tridas.org/1.2.1
Annotations	Name of the owner of the physical object.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element object
Source	<pre><xs:element name="owner" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the owner of the physical object.</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element coverage

Namespace	http://www.tridas.org/1.2.1
Annotations	Details on the time period this object covers.
Diagram	
Properties	content: complex
Used by	Element object
Model	coverageTemporal , coverageTemporalFoundation
Children	coverageTemporal, coverageTemporalFoundation
Instance	<pre><coverage> <coverageTemporal>{1,1}</coverageTemporal> <coverageTemporalFoundation>{1,1}</coverageTemporalFoundation> </coverage></pre>
Source	<pre><xs:element name="coverage"> <xs:annotation> <xs:documentation xml:lang="EN">Details on the time period this object covers.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="coverageTemporal"/> <xs:element ref="coverageTemporalFoundation"/> </xs:sequence> </xs:complexType> </xs:element></pre>

	</xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element coverageTemporal

Namespace	http://www.tridas.org/1.2.1
Annotations	If the date is already known in more or less detail: historical period (broad). Equivalent to Dublin Core term 'temporal'.
Diagram	A UML class diagram fragment showing a class named "coverageTemporal" with a multiplicity of 0..1. A directed association line connects it to a class named "xs:string" with a multiplicity of 1..1. There is also a self-loop association on the "coverageTemporal" class.
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<pre><xs:element name="coverageTemporal" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">If the date is already known in more or less detail: historical period (broad). Equivalent to Dublin Core term 'temporal'.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

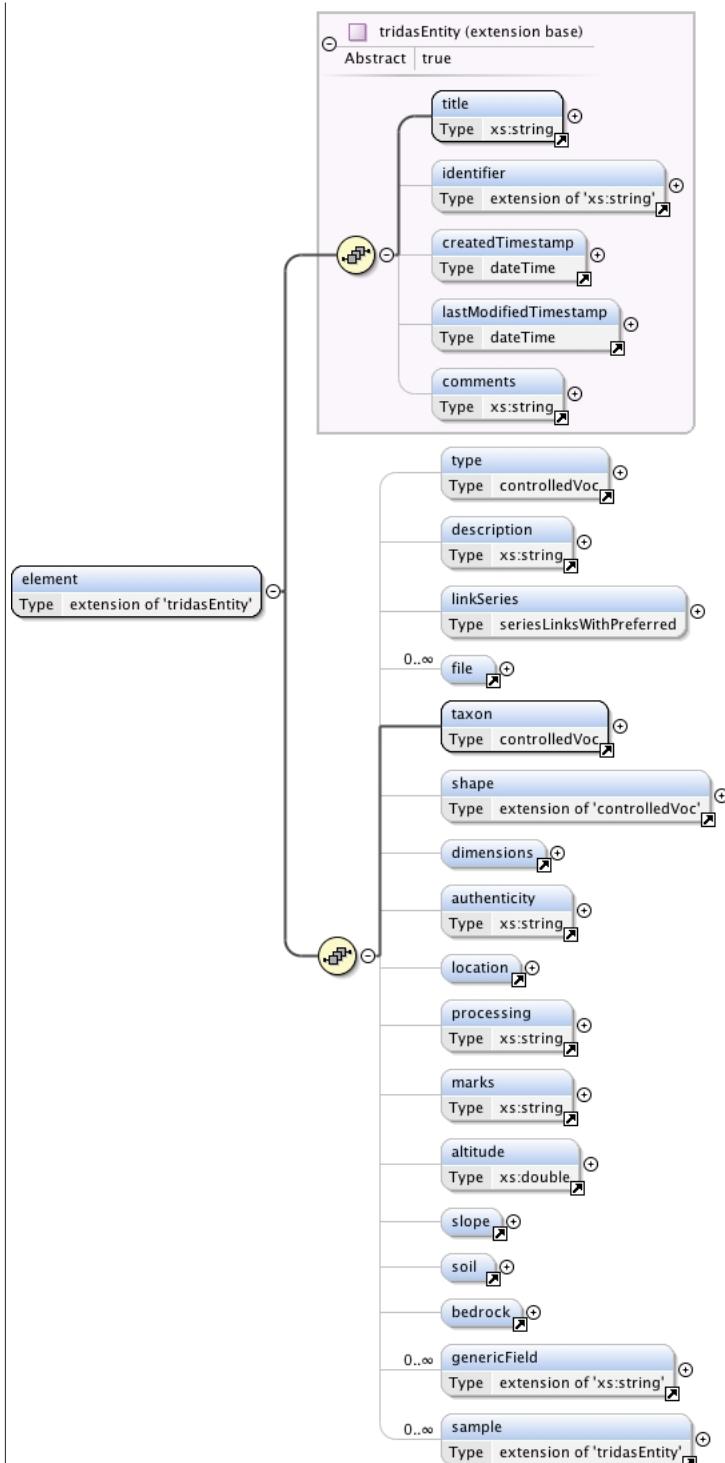
Element coverageTemporalFoundation

Namespace	http://www.tridas.org/1.2.1
Annotations	Method of dating support (e.g. archive sources, inscriptions, stratigraphic context, associated finds, typology, stylistic aspects, carpenter marks, radiocarbon, OSL, other methods).
Diagram	A UML class diagram fragment showing a class named "coverageTemporalFoundation" with a multiplicity of 0..1. A directed association line connects it to a class named "xs:string" with a multiplicity of 1..1. There is also a self-loop association on the "coverageTemporalFoundation" class.
Type	xs:string
Properties	content: simple
Used by	Element coverage
Source	<pre><xs:element name="coverageTemporalFoundation" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Method of dating support (e.g. archive sources, inscriptions, stratigraphic context, associated finds, typology, stylistic aspects, carpenter marks, radiocarbon, OSL, other methods).</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element element

Namespace	http://www.tridas.org/1.2.1
Annotations	An element is a piece of wood originating from a single tree. Examples include: one plank of a water well; a single wooden panel in a painting; the left-hand back plate of a violin; one beam in a roof; a tree trunk preserved in the soil; a living tree. The element is a specific part of exactly one object or sub object. An object will often consist of more than one element, e.g., when dealing with the staves (elements) of a barrel (object). One or more samples can be taken from an element and an element may be dated using one or more derivedSeries.

Diagram



Type	extension of <code>tridasEntity</code>
Type hierarchy	• <code>tridasEntity</code>
Properties	content: complex
Used by	Element object
Model	<code>title</code> , <code>identifier{0,1}</code> , <code>createdTimestamp{0,1}</code> , <code>lastModifiedTimestamp{0,1}</code> , <code>comments{0,1}</code> , <code>type{0,1}</code> , <code>description{0,1}</code> , <code>linkSeries{0,1}</code> , <code>file*</code> , <code>taxon</code> , <code>shape{0,1}</code> , <code>dimensions{0,1}</code> , <code>authenticity{0,1}</code> , <code>location{0,1}</code> , <code>processing{0,1}</code> , <code>marks{0,1}</code> , <code>altitude{0,1}</code> , <code>slope{0,1}</code> , <code>soil{0,1}</code> , <code>bedrock{0,1}</code> , <code>genericField*</code> , <code>sample*</code>
Children	altitude, authenticity, bedrock, comments, createdTimestamp, description, dimensions, file, genericField, identifier, lastModifiedTimestamp, linkSeries, location, marks, processing, sample, shape, slope, soil, taxon, title, type
Instance	<code><element></code> <code><title>{1,1}</title></code>

	<pre> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </element> </pre>
Source	<pre> <xs:element name="element"> <xs:annotation> <xs:documentation xml:lang="EN">An element is a piece of wood originating from a single tree. Examples include: one plank of a water well; a single wooden panel in a painting; the left-hand back plate of a violin; one beam in a roof; a tree trunk preserved in the soil; a living tree. The element is a specific part of exactly one object or sub object. An object will often consist of more than one element, e.g., when dealing with the staves (elements) of a barrel (object). One or more samples can be taken from an element and an element may be dated using one or more derivedSeries.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type" minOccurs="0"/> <xs:element ref="description" minOccurs="0"/> <xs:element name="linkSeries" type="seriesLinksWithPreferred" minOccurs="0" maxOccurs="1"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="taxon"/> <xs:element ref="shape" minOccurs="0"/> <xs:element ref="dimensions" minOccurs="0"/> <xs:element ref="authenticity" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="processing" minOccurs="0"/> <xs:element ref="marks" minOccurs="0"/> <xs:element ref="altitude" minOccurs="0"/> <xs:element ref="slope" minOccurs="0"/> <xs:element ref="soil" minOccurs="0"/> <xs:element ref="bedrock" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="sample" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element element / linkSeries

Namespace	http://www.tridas.org/1.2.1						
Diagram	<pre> classDiagram class linkSeries { <<Type seriesLinksWithPreferred>> } class seriesLinksWithPreferred { <<Type seriesLink>> *--o preferredSeries : seriesLinksWithPreferred } linkSeries "0..1" --o "0..1" seriesLinksWithPreferred seriesLinksWithPreferred "*" --o "*" preferredSeries </pre>						
Type	seriesLinksWithPreferred						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	preferredSeries{0,1}						
Children	preferredSeries						
Instance	<pre> <linkSeries> <preferredSeries>{0,1}</preferredSeries> </linkSeries> </pre>						
Source	<pre> <xs:element name="linkSeries" type="seriesLinksWithPreferred" minOccurs="0" maxOccurs="1"/> </pre>						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd						

Element taxon

Namespace	http://www.tridas.org/1.2.1
Annotations	The most detailed taxonomic name known for this element (species, genus, family etc).

	Preferably from the Catalogue of Life (www.catalogueoflife.org) controlled vocabulary.																																													
Diagram	<pre> classDiagram class controlledVoc { <<controlledVoc>> <<Base Type xs:string>> <<@ attributes>> <<@ normalStd xs:string>> <<@ normalId xs:string>> <<@ normal xs:string>> <<@ lang xs:language>> } class taxon { <<controlledVoc>> } taxon --> controlledVoc </pre>																																													
Type	controlledVoc																																													
Properties	content: complex																																													
Used by	Elements element, vocabulary;element.taxon																																													
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>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The language this term is in. Default is EN if not specified.</td> </tr> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The normalised name for this entry</td> </tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The ID value in the standard dictionary corresponding to this entry</td> </tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The name of the standard used to control this vocabulary</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional			The language this term is in. Default is EN if not specified.			normal				optional			The normalised name for this entry			normalId				optional			The ID value in the standard dictionary corresponding to this entry			normalStd				optional			The name of the standard used to control this vocabulary		
QName	Type	Fixed	Default	Use																																										
lang	xs:language			optional																																										
		The language this term is in. Default is EN if not specified.																																												
normal				optional																																										
		The normalised name for this entry																																												
normalId				optional																																										
		The ID value in the standard dictionary corresponding to this entry																																												
normalStd				optional																																										
		The name of the standard used to control this vocabulary																																												
Source	<pre> <xss:element name="taxon" type="controlledVoc"> <xss:annotation> <xss:documentation xml:lang="EN">The most detailed taxonomic name known for this element (species, genus, family etc). Preferably from the Catalogue of Life (www.catalogueoflife.org) controlled vocabulary.</xss:documentation> </xss:annotation> </xss:element> </pre>																																													
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd																																													

Element shape

Namespace	http://www.tridas.org/1.2.1
Annotations	The shape of this element, as a free text description, an entry from a specified controlled vocabulary, or preferably from the TRiDaS controlled vocabulary.
Diagram	<pre> classDiagram class controlledVoc { <<controlledVoc (extension base)>> <<Base Type xs:string>> <<@ attributes>> <<@ normalStd xs:string>> <<@ normalId xs:string>> <<@ normal xs:string>> <<@ lang xs:language>> } class shape { <<extension of 'controlledVoc'>> } shape --> controlledVoc class normalTridasShape { <<@ attributes>> <<@ normalTridas xs:string>> } </pre>
Type	extension of controlledVoc

Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																																		
Properties	content: complex																																																		
Used by	Elements element, vocabulary/element.shape																																																		
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>lang</td><td>xs:language</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">The language this term is in. Default is EN if not specified.</td></tr> <tr> <td>normal</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">The normalised name for this entry</td></tr> <tr> <td>normalId</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">The name of the standard used to control this vocabulary</td></tr> <tr> <td>normalTridas</td><td>normalTridasShape</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional			The language this term is in. Default is EN if not specified.			normal				optional			The normalised name for this entry			normalId				optional			The ID value in the standard dictionary corresponding to this entry			normalStd				optional			The name of the standard used to control this vocabulary			normalTridas	normalTridasShape			optional
QName	Type	Fixed	Default	Use																																															
lang	xs:language			optional																																															
		The language this term is in. Default is EN if not specified.																																																	
normal				optional																																															
		The normalised name for this entry																																																	
normalId				optional																																															
		The ID value in the standard dictionary corresponding to this entry																																																	
normalStd				optional																																															
		The name of the standard used to control this vocabulary																																																	
normalTridas	normalTridasShape			optional																																															
Source	<pre><xs:element name="shape"> <xs:annotation> <xs:documentation>The shape of this element, as a free text description, an entry from a specified controlled vocabulary, or preferably from the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasShape" /> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>																																																		
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd																																																		

Element dimensions

Namespace	http://www.tridas.org/1.2.1
Annotations	Physical dimensions of this element, either height and diameter, or height, width and depth. The units of these measurements must also be specified.
Diagram	<pre> classDiagram class dimensions { unit "Type extension of 'controlledVoc'" height "Type xs:decimal" diameter "Type xs:decimal" width "Type xs:decimal" depth "Type xs:decimal" } dimensions < -- unit dimensions < -- height dimensions < -- diameter dimensions < -- width dimensions < -- depth </pre>
Properties	content: complex
Used by	Element element
Model	unit , height , ((diameter) (width , depth))
Children	depth, diameter, height, unit, width
Instance	<pre><dimensions> <unit lang="" normal="" normalId="" normalStd="" normalTridas="">{1,1}</unit> <height>{1,1}</height> </dimensions></pre>
Source	<pre><xs:element name="dimensions"> <xs:annotation> <xs:documentation xml:lang="EN">Physical dimensions of this element, either height and diameter, or height, width and depth. The units of these measurements must also be specified.</xs:documentation> </xs:annotation></pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element ref="unit" /> <xs:element name="height" type="xs:decimal"> <xs:annotation> <xs:documentation>Height of this element. Should be used in combination with either diameter, or width and depth.</xs:documentation> </xs:annotation> </xs:element> <xs:choice> <xs:sequence> <xs:element name="diameter" type="xs:decimal"> <xs:annotation> <xs:documentation>Diameter of this element. Used in combination with height when the element is a tree.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:sequence> <xs:element name="width" type="xs:decimal"> <xs:annotation> <xs:documentation>Width of the element.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="depth" type="xs:decimal"> <xs:annotation> <xs:documentation>Depth of the element.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:choice> </xs:sequence> </xs:complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element unit

Namespace	http://www.tridas.org/1.2.1															
Annotations	Measurement units used for these value, preferably taken from the TRiDaS controlled vocabulary															
Diagram	<pre> classDiagram controlledVoc("controlledVoc (extension base)", "Base Type xs:string") controlledVoc --> unit("unit", "Type extension of 'controlledVoc'") controlledVoc --> attributes1["@ attributes"] attributes1 --> normalStd attributes1 --> normalId attributes1 --> normal attributes1 --> lang["@ lang Type xs:language"] controlledVoc --> attributes2["@ attributes"] attributes2 --> normalTridas["@ normalTridas Type normalTridasUnit"] </pre>															
Type	extension of controlledVoc															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 															
Properties	content: complex															
Used by	Elements dimensions, values, vocabulary/global.unit															
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>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">The language this term is in. Default is EN if not specified.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional			The language this term is in. Default is EN if not specified.		
QName	Type	Fixed	Default	Use												
lang	xs:language			optional												
		The language this term is in. Default is EN if not specified.														

	QName	Type	Fixed	Default	Use
	normal				optional
		The normalised name for this entry			
	normalId				optional
		The ID value in the standard dictionary corresponding to this entry			
	normalStd				optional
		The name of the standard used to control this vocabulary			
	normalTridas	normalTridasUnit			optional
Source	<pre><xs:element name="unit"> <xs:annotation> <xs:documentation xml:lang="EN">Measurement units used for these value, preferably taken from the TRiDaS controlled vocabulary</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasUnit" /> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element dimensions / height

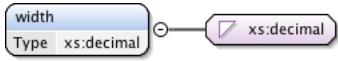
Namespace	http://www.tridas.org/1.2.1
Annotations	Height of this element. Should be used in combination with either diameter, or width and depth.
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="height" type="xs:decimal"> <xs:annotation> <xs:documentation>Height of this element. Should be used in combination with either diameter, or width and depth.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element dimensions / diameter

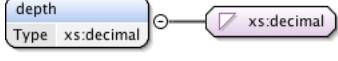
Namespace	http://www.tridas.org/1.2.1
Annotations	Diameter of this element. Used in combination with height when the element is a tree.
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="diameter" type="xs:decimal"> <xs:annotation> <xs:documentation>Diameter of this element. Used in combination with height when the element is a tree.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element dimensions / width

Namespace	http://www.tridas.org/1.2.1
Annotations	Width of the element.

Diagram	
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="width" type="xs:decimal"> <xs:annotation> <xs:documentation>Width of the element.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

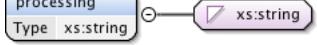
Element dimensions / depth

Namespace	http://www.tridas.org/1.2.1
Annotations	Depth of the element.
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<pre><xs:element name="depth" type="xs:decimal"> <xs:annotation> <xs:documentation>Depth of the element.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element authenticity

Namespace	http://www.tridas.org/1.2.1
Annotations	Whether this element is original, a repair or later addition etc.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="authenticity" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Whether this element is original, a repair or later addition etc.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element processing

Namespace	http://www.tridas.org/1.2.1
Annotations	Processing (carved, sawn etc.) rafting marks etc.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre><xs:element name="processing" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Processing (carved, sawn etc.) rafting marks etc.</xs:documentation> </xs:annotation> </xs:element></pre>

	</xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element marks

Namespace	http://www.tridas.org/1.2.1
Annotations	Carpenter marks, inscriptions etc
Diagram	<pre> graph LR marks[marks] --> xs:string xsString[xs:string] </pre>
Type	xs:string
Properties	content: simple
Used by	Element element
Source	<pre> <xs:element name="marks" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Carpenter marks, inscriptions etc</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element altitude

Namespace	http://www.tridas.org/1.2.1
Annotations	Altitude in metres if this element is a standing tree in situ.
Diagram	<pre> graph LR altitude[altitude] --> xs:double xsDouble[xs:double] </pre>
Type	xs:double
Properties	content: simple
Used by	Element element
Source	<pre> <xs:element name="altitude" type="xs:double"> <xs:annotation> <xs:documentation xml:lang="EN">Altitude in metres if this element is a standing tree in situ.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element slope

Namespace	http://www.tridas.org/1.2.1
Annotations	Only relevant if this element is a standing tree. Contains details about the slope this tree was growing on.
Diagram	<pre> graph LR slope[slope] --> angle[angle] slope --> azimuth[azimuth] </pre>
Properties	content: complex
Used by	Element element
Model	angle{0,1} , azimuth{0,1}
Children	angle, azimuth
Instance	<pre> <slope> <angle>{0,1}</angle> <azimuth>{0,1}</azimuth> </slope> </pre>
Source	<pre> <xs:element name="slope"> <xs:annotation> <xs:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details about the slope this tree was growing on.</xs:documentation> </xs:annotation> </xs:element> </pre>

```

</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="angle" type="xs:int" minOccurs="0">
      <xs:annotation>
        <xs:documentation xml:lang="EN">Angle of slope from horizontal in degrees</
      xs:documentation>
      </xs:annotation>
    <xs:element name="azimuth" type="xs:int" minOccurs="0">
      <xs:annotation>
        <xs:documentation xml:lang="EN">Angle in degrees from north along which the
      slope lies</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

Schema location file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element slope / angle

Namespace	http://www.tridas.org/1.2.1
Annotations	Angle of slope from horizontal in degrees
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 0
Source	<pre> <xs:element name="angle" type="xs:int" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle of slope from horizontal in degrees</ xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element slope / azimuth

Namespace	http://www.tridas.org/1.2.1
Annotations	Angle in degrees from north along which the slope lies
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 0
Source	<pre> <xs:element name="azimuth" type="xs:int" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="EN">Angle in degrees from north along which the slope lies</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element soil

Namespace	http://www.tridas.org/1.2.1
Annotations	Only relevant if this element is a standing tree. Contains details of the soil the tree was growing in.
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><x:element name="soil"> <x:annotation> <x:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details of the soil the tree was growing in.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="description" type="xs:string" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">General description of the soil type</x:documentation> </x:annotation> </x:element> <x:element name="depth" type="xs:double" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">Depth of soil in centimetres</x:documentation> </x:annotation> </x:element> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element soil / description

Namespace	http://www.tridas.org/1.2.1				
Annotations	General description of the soil type				
Diagram	<pre> classDiagram class description { Type xs:string } description o--> xs:string </pre>				
Type	xs:string				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><x:element name="description" type="xs:string" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">General description of the soil type</x:documentation> </x:annotation> </x:element></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element soil / depth

Namespace	http://www.tridas.org/1.2.1				
Annotations	Depth of soil in centimetres				
Diagram	<pre> classDiagram class depth { Type xs:double } depth o--> xs:double </pre>				
Type	xs:double				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><x:element name="depth" type="xs:double" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">Depth of soil in centimetres</x:documentation> </x:annotation> </x:element></pre>				

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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Element bedrock

Namespace	http://www.tridas.org/1.2.1
Annotations	Only relevant if this element is a standing tree. Contains details of the bedrock below where the tree was growing.
Diagram	
Properties	content: complex
Used by	Element element
Model	description{0,1}
Children	description
Instance	<bedrock> <description>{0,1}</description> </bedrock>
Source	<pre> <x:element name="bedrock"> <x:annotation> <x:documentation xml:lang="EN">Only relevant if this element is a standing tree. Contains details of the bedrock below where the tree was growing.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="description" type="xs:string" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">General description of the underlying bedrock</x:documentation> </x:annotation> </x:element> </x:sequence> </x:complexType> </x:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

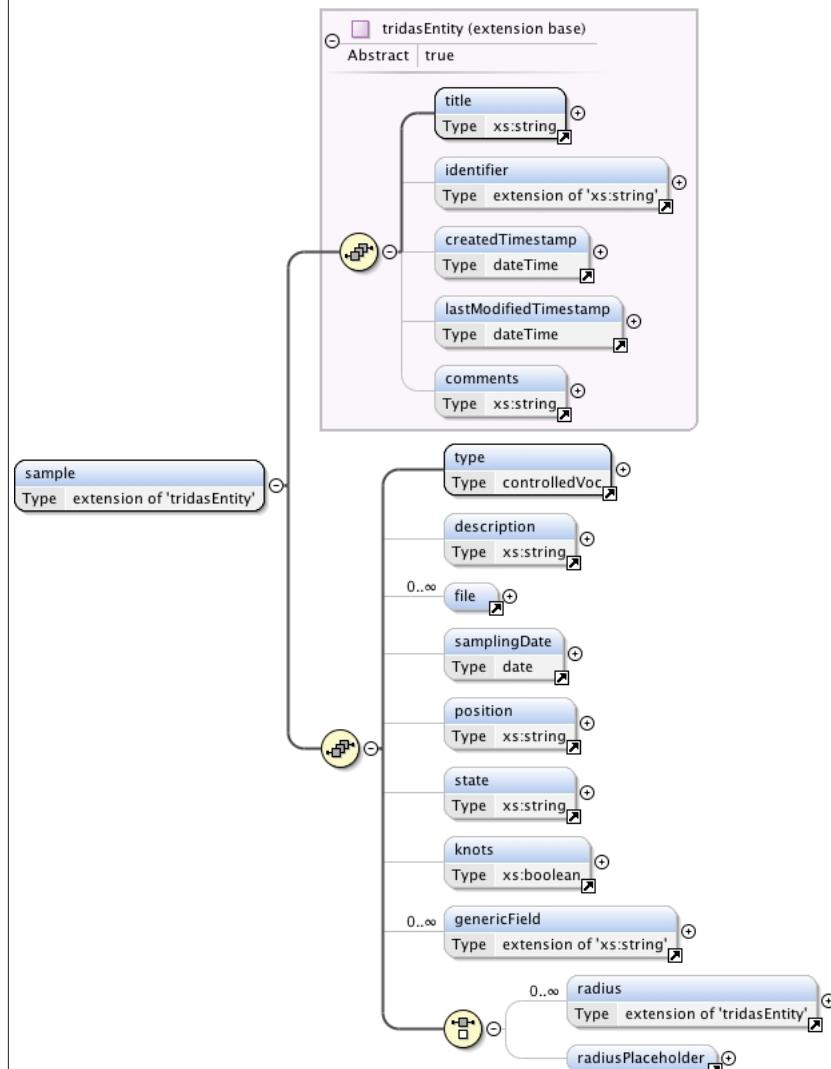
Element bedrock / description

Namespace	http://www.tridas.org/1.2.1
Annotations	General description of the underlying bedrock
Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 0</p>
Source	<pre> <x:element name="description" type="xs:string" minOccurs="0"> <x:annotation> <x:documentation xml:lang="EN">General description of the underlying bedrock</x:documentation> </x:annotation> </x:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element sample

Namespace	http://www.tridas.org/1.2.1
Annotations	A sample is a physical specimen or non-physical representation of an element. Examples include: core from a living tree; core from a rafter in a church roof; piece of charcoal from an archaeological trench; slice from a pile used in a pile foundation; wax imprint of the outer end of a plank; photo of a back plate of a string instrument. Note that a sample always exists and that it can either be physical (e.g. a core) or representative (e.g. a picture). A sample is taken from exactly one element and can be represented by one or more radii.

Diagram



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

	<pre> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="type"/> <xs:element ref="description" minOccurs="0"/> <xs:element ref="file" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="samplingDate" minOccurs="0"/> <xs:element ref="position" minOccurs="0"/> <xs:element ref="state" minOccurs="0"/> <xs:element ref="knots" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:choice> <xs:element ref="radius" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="radiusPlaceholder" minOccurs="0"/> </xs:choice> </xs:sequence> </xs:extension> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element samplingDate

Namespace	http://www.tridas.org/1.2.1										
Annotations	Date the sample was taken										
Diagram	<pre> classDiagram class samplingDate { <<date>> <<@certainty>> } samplingDate < -- date date < -- xs:date date < -- attributes attributes < -- @certainty @certainty < -- certainty </pre>										
Type	date										
Properties	content: complex										
Used by	Element sample										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre> <xs:element name="samplingDate" type="date"> <xs:annotation> <xs:documentation xml:lang="EN">Date the sample was taken</xs:documentation> </xs:annotation> </xs:element> </pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element position

Namespace	http://www.tridas.org/1.2.1
Annotations	Description of the position in the element where this sample was taken from
Diagram	<pre> classDiagram class position { <<xs:string>> } position < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<pre> <xs:element name="position" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Description of the position in the element where this sample was taken from</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element state

Namespace	http://www.tridas.org/1.2.1
Annotations	State of the material (dry/wet/conserved/burned, woodworm, rot, cracks) things that indicate the quality of the measurements.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element sample
Source	<pre><xs:element name="state" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">State of the material (dry/wet/conserved/burned, woodworm, rot, cracks) things that indicate the quality of the measurements.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

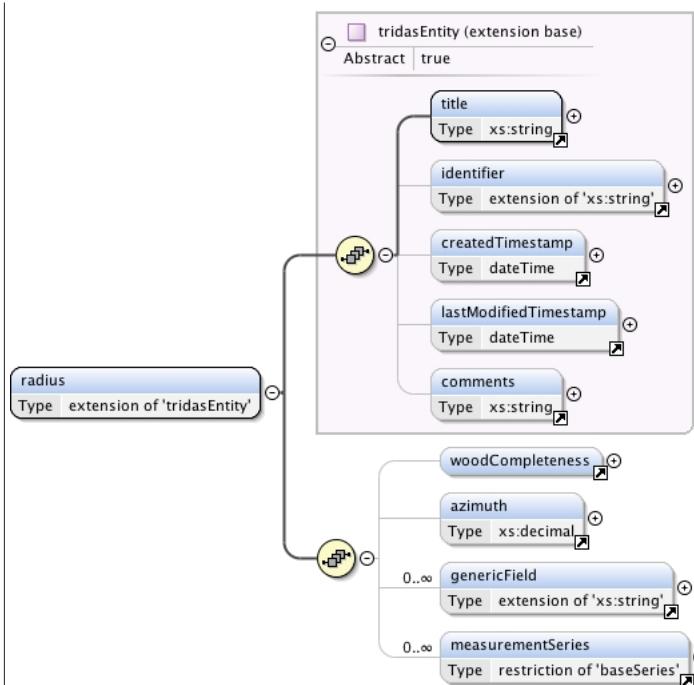
Element knots

Namespace	http://www.tridas.org/1.2.1
Annotations	Are knots present in the sample?
Diagram	
Type	xs:boolean
Properties	content: simple
Used by	Element sample
Source	<pre><xs:element name="knots" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="EN">Are knots present in the sample?</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element radius

Namespace	http://www.tridas.org/1.2.1
Annotations	A radius is a line from pith to bark along which the measurements are taken. A radius is derived from exactly one sample. It can be measured more than once resulting in multiple measurementSeries.

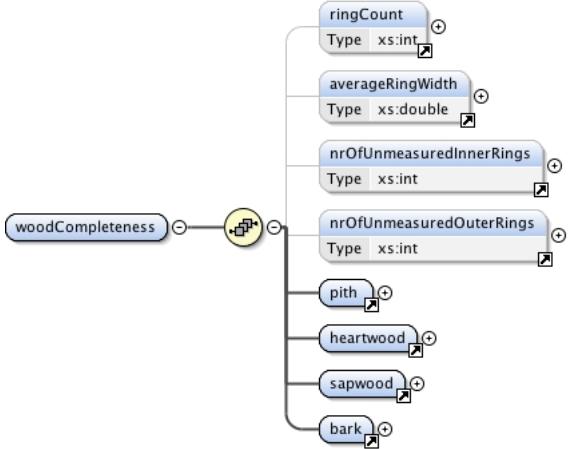
Diagram



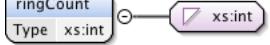
Type	extension of tridasEntity
Type hierarchy	• tridasEntity
Properties	content: complex
Used by	Element sample
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , woodCompleteness{0,1} , azimuth{0,1} , genericField* , measurementSeries*
Children	azimuth, comments, createdTimestamp, genericField, identifier, lastModifiedTimestamp, measurementSeries, title, woodCompleteness
Instance	<pre> <radius> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> </radius> </pre>
Source	<pre> <xs:element name="radius"> <xs:annotation> <xs:documentation xml:lang="EN">A radius is a line from pith to bark along which the measurements are taken. A radius is derived from exactly one sample. It can be measured more than once resulting in multiple measurementSeries.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="woodCompleteness" minOccurs="0" maxOccurs="1"/> <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:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element woodCompleteness

Namespace	http://www.tridas.org/1.2.1
Annotations	Details of the pith, heartwood, sapwood and last ring under the bark. This is included under the radius or measurementSeries entities. If present in both, the measurementSeries details supercede those of the radius.

Diagram	
Properties	content: complex
Used by	Elements measurementSeries, radius Complex Type baseSeries
Model	ringCount{0,1} , averageRingWidth{0,1} , nrOfUnmeasuredInnerRings{0,1} , nrOfUnmeasuredOuterRings{0,1} , pith , heartwood , sapwood , bark
Children	averageRingWidth, bark, heartwood, nrOfUnmeasuredInnerRings, nrOfUnmeasuredOuterRings, pith, ringCount, sapwood
Instance	<woodCompleteness><ringCount>{0,1}</ringCount><averageRingWidth>{0,1}</averageRingWidth><nrOfUnmeasuredInnerRings>{0,1}</nrOfUnmeasuredInnerRings><nrOfUnmeasuredOuterRings>{0,1}</nrOfUnmeasuredOuterRings><pith presence="">{1,1}</pith><heartwood presence="">{1,1}</heartwood><sapwood presence="">{1,1}</sapwood><bark presence="">{1,1}</bark></woodCompleteness>
Source	<xs:element name="woodCompleteness"><xs:annotation><xs:documentation xml:lang="EN">Details of the pith, heartwood, sapwood and last ring under the bark. This is included under the radius or measurementSeries entities. If present in both, the measurementSeries details supercede those of the radius.</xs:documentation></xs:annotation><xs:complexType><xs:sequence><xs:element ref="ringCount" minOccurs="0"/><xs:element ref="averageRingWidth" minOccurs="0"/><xs:element ref="nrOfUnmeasuredInnerRings" minOccurs="0"/><xs:element ref="nrOfUnmeasuredOuterRings" minOccurs="0"/><xs:element ref="pith"/><xs:element ref="heartwood"/><xs:element ref="sapwood"/><xs:element ref="bark"/></xs:sequence></xs:complexType></xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element ringCount

Namespace	http://www.tridas.org/1.2.1
Annotations	Convenience field for recording the total number of rings measured. If there is a disparity between this field and the actual number of 'values' tags, then the number of 'values' tags should be taken as definitive.
Diagram	
Type	xs:int
Properties	content: simple

Used by	Element	woodCompleteness
Source		<pre><xs:element name="ringCount" type="xs:int"> <xs:annotation> <xs:documentation>Convenience field for recording the total number of rings measured. If there is a disparity between this field and the actual number of 'values' tags, then the number of 'values' tags should be taken as definitive.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element averageRingWidth

Namespace	http://www.tridas.org/1.2.1	
Annotations	Convenience field for recording the average ring width of rings measured. If there is a disparity between this field and the actual 'values' tags, then the average of the 'values' tags should be taken as definitive.	
Diagram	<pre> classDiagram class averageRingWidth { <<xs:double>> } xs:double averageRingWidth o--> xs:double </pre>	
Type	xs:double	
Properties	content: simple	
Used by	Element woodCompleteness	
Source	<pre><xs:element name="averageRingWidth" type="xs:double"> <xs:annotation> <xs:documentation>Convenience field for recording the average ring width of rings measured. If there is a disparity between this field and the actual 'values' tags, then the average of the 'values' tags should be taken as definitive.</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element nrOfUnmeasuredInnerRings

Namespace	http://www.tridas.org/1.2.1	
Annotations	Field for recording whether there are any rings at the inner (i.e. towards pith) edge of the sample that have not been measured. Typically used to note when rings are too damaged to measure.	
Diagram	<pre> classDiagram class nrOfUnmeasuredInnerRings { <<xs:int>> } xs:int nrOfUnmeasuredInnerRings o--> xs:int </pre>	
Type	xs:int	
Properties	content: simple	
Used by	Element woodCompleteness	
Source	<pre><xs:element name="nrOfUnmeasuredInnerRings" type="xs:int"> <xs:annotation> <xs:documentation>Field for recording whether there are any rings at the inner (i.e. towards pith) edge of the sample that have not been measured. Typically used to note when rings are too damaged to measure.</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element nrOfUnmeasuredOuterRings

Namespace	http://www.tridas.org/1.2.1	
Annotations	Field for recording whether there are any rings at the outer (i.e. towards bark) edge of the sample that have not been measured. Typically used to note when rings are too damaged to measure.	
Diagram	<pre> classDiagram class nrOfUnmeasuredOuterRings { <<xs:int>> } xs:int nrOfUnmeasuredOuterRings o--> xs:int </pre>	
Type	xs:int	
Properties	content: simple	

Used by	Element	woodCompleteness
Source		<pre><xs:element name="nrOfUnmeasuredOuterRings" type="xs:int"> <xs:annotation> <xs:documentation>Field for recording whether there are any rings at the outer (i.e. towards bark) edge of the sample that have not been measured. Typically used to note when rings are too damaged to measure.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element pith

Namespace	http://www.tridas.org/1.2.1				
Annotations	Whether the pith is present or absent				
Diagram	<pre> classDiagram class pith { @ presence } @ presence { Type complexPresenceAbsence } pith --> @ presence </pre>				
Properties	content: complex				
Used by	Element	woodCompleteness			
Attributes	QName	Type	Fixed	Default	Use
	presence	complexPresenceAbsence			required
Source	<pre><xs:element name="pith"> <xs:annotation> <xs:documentation xml:lang="EN">Whether the pith is present or absent</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="presence" use="required" type="complexPresenceAbsence"/> </xs:complexType> </xs:element></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element heartwood

Namespace	http://www.tridas.org/1.2.1								
Annotations	This field records whether the outer (youngest) heartwood is present and if so whether it is complete. If the sample includes the last heartwood ring before the sapwood then it is 'complete' otherwise it is 'incomplete' or 'absent'.								
Diagram	<pre> classDiagram class heartwood { @ presence missingHeartwoodRingsToPith missingHeartwoodRingsToPithFoundation } @ presence { Type complexPresenceAbsence } missingHeartwoodRingsToPith { Type xs:int } missingHeartwoodRingsToPithFoundation { Type xs:string } heartwood --> @ presence heartwood --> missingHeartwoodRingsToPith heartwood --> missingHeartwoodRingsToPithFoundation </pre>								
Properties	content: complex								
Used by	Element	woodCompleteness							
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	QName	Type	Fixed	Default	Use				
	presence	complexPresenceAbsence			required				

Source	<pre> <xs:element name="heartwood"> <xs:annotation> <xs:documentation xml:lang="EN">This field records whether the outer (youngest) heartwood is present and if so whether it is complete. If the sample includes the last heartwood ring before the sapwood then it is 'complete' otherwise it is 'incomplete' or 'absent'.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="missingHeartwoodRingsToPith" minOccurs="0"/> <xs:element ref="missingHeartwoodRingsToPithFoundation" minOccurs="0"/> </xs:sequence> <xs:attribute name="presence" use="required" type="complexPresenceAbsence"/> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element missingHeartwoodRingsToPith

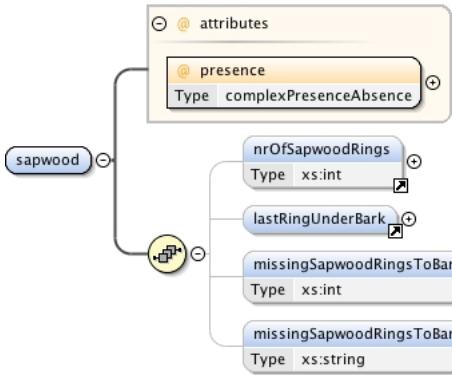
Namespace	http://www.tridas.org/1.2.1
Annotations	Estimated number of missing heartwood rings to the pith
Diagram	
Type	xs:int
Properties	content: simple
Used by	Element heartwood
Source	<pre> <xs:element name="missingHeartwoodRingsToPith" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated number of missing heartwood rings to the pith</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element missingHeartwoodRingsToPithFoundation

Namespace	http://www.tridas.org/1.2.1
Annotations	Description of the way the estimation of how many heartwood rings are missing was made and what the certainty is.
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element heartwood
Source	<pre> <xs:element name="missingHeartwoodRingsToPithFoundation" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Description of the way the estimation of how many heartwood rings are missing was made and what the certainty is.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element sapwood

Namespace	http://www.tridas.org/1.2.1
Annotations	Details about the sapwood

Diagram																
Properties	content: complex															
Used by	Element woodCompleteness															
Model	nrOfSapwoodRings{0,1} , lastRingUnderBark{0,1} , missingSapwoodRingsToBark{0,1} , missingSapwoodRingsToBarkFoundation{0,1}															
Children	lastRingUnderBark, missingSapwoodRingsToBark, missingSapwoodRingsToBarkFoundation, nrOfSapwoodRings															
Instance	<pre><sapwood presence=""> <nrOfSapwoodRings>{0,1}</nrOfSapwoodRings> <lastRingUnderBark presence="">{0,1}</lastRingUnderBark> <missingSapwoodRingsToBark>{0,1}</missingSapwoodRingsToBark> <missingSapwoodRingsToBarkFoundation>{0,1}</missingSapwoodRingsToBarkFoundation> </sapwood></pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>presence</td><td>complexPresenceAbsence</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td></td><td></td><td>Whether the sapwood is present or not</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	complexPresenceAbsence			required				Whether the sapwood is present or not	
QName	Type	Fixed	Default	Use												
presence	complexPresenceAbsence			required												
			Whether the sapwood is present or not													
Source	<pre><xs:element name="sapwood"> <xs:annotation> <xs:documentation xml:lang="EN">Details about the sapwood</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="nrOfSapwoodRings" minOccurs="0" /> <xs:element ref="lastRingUnderBark" minOccurs="0" /> <xs:element ref="missingSapwoodRingsToBark" minOccurs="0" /> <xs:element ref="missingSapwoodRingsToBarkFoundation" minOccurs="0" /> </xs:sequence> <xs:attribute name="presence" use="required" type="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Whether the sapwood is present or not</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element></pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element nrOfSapwoodRings

Namespace	http://www.tridas.org/1.2.1
Annotations	Number of sapwood rings measured
Diagram	
Type	xs:int
Properties	content: simple
Used by	Element sapwood
Source	<pre><xs:element name="nrOfSapwoodRings" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="EN">Number of sapwood rings measured</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element lastRingUnderBark

Namespace	http://www.tridas.org/1.2.1														
Annotations	Information about the last rings under the bark. If the last ring is under the bark is present, include information about the completeness of this ring and/or season of felling.														
Diagram	<pre> graph LR LRU[lastRingUnderBark] --> P[presence] P --- PA[presenceAbsence] style LRU fill:#e0f2e0 style P fill:#ffffcc style PA fill:#d9eaf7 </pre>														
Properties	<p>content: complex</p> <p>mixed: true</p>														
Used by	Element sapwood														
Model															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>presenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	presence	presenceAbsence			required
QName	Type	Fixed	Default	Use											
presence	presenceAbsence			required											
Source	<pre> <xss:element name="lastRingUnderBark"> <xss:annotation> <xss:documentation xml:lang="EN">Information about the last rings under the bark. If the last ring is under the bark is present, include information about the completeness of this ring and/or season of felling.</xss:documentation> </xss:annotation> <xss:complexType mixed="true"> <xss:attribute name="presence" type="presenceAbsence" use="required"/> </xss:complexType> </xss:element> </pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

Element missingSapwoodRingsToBark

Namespace	http://www.tridas.org/1.2.1				
Annotations	Estimated number of missing sapwood rings to the bark				
Diagram	<pre> graph LR MSR[missingSapwoodRingsToBark] --> XInt[xs:int] style MSR fill:#e0f2e0 style XInt fill:#d9eaf7 </pre>				
Type	xs:int				
Properties	content: simple				
Used by	Element sapwood				
Source	<pre> <xss:element name="missingSapwoodRingsToBark" type="xs:int"> <xss:annotation> <xss:documentation xml:lang="EN">Estimated number of missing sapwood rings to the bark</xss:documentation> </xss:annotation> </xss:element> </pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element missingSapwoodRingsToBarkFoundation

Namespace	http://www.tridas.org/1.2.1				
Annotations	Description of the way the estimation of how many sapwood rings are missing was made and what the certainty is.				
Diagram	<pre> graph LR MSR[missingSapwoodRingsToBarkFoundation] --> XString[xs:string] style MSR fill:#e0f2e0 style XString fill:#d9eaf7 </pre>				
Type	xs:string				
Properties	content: simple				
Used by	Element sapwood				
Source	<pre> <xss:element name="missingSapwoodRingsToBarkFoundation" type="xs:string"> </pre>				

	<pre> <xs:annotation> <xs:documentation xml:lang="EN">Description of the way the estimation of how many sapwood rings are missing was made and what the certainty is.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element bark

Namespace	http://www.tridas.org/1.2.1														
Annotations	Bark is present or absent														
Diagram	<pre> classDiagram class bark class presenceAbsence { @ attributes } bark "1" --> "1" presenceAbsence : @ presence </pre>														
Properties	content: complex														
Used by	Element woodCompleteness														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>presence</td> <td>presenceAbsence</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	presence	presenceAbsence			required				
QName	Type	Fixed	Default	Use											
presence	presenceAbsence			required											
Source	<pre> <xs:element name="bark"> <xs:annotation> <xs:documentation xml:lang="EN">Bark is present or absent</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="presence" use="required" type="presenceAbsence" /> </xs:complexType> </xs:element> </pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

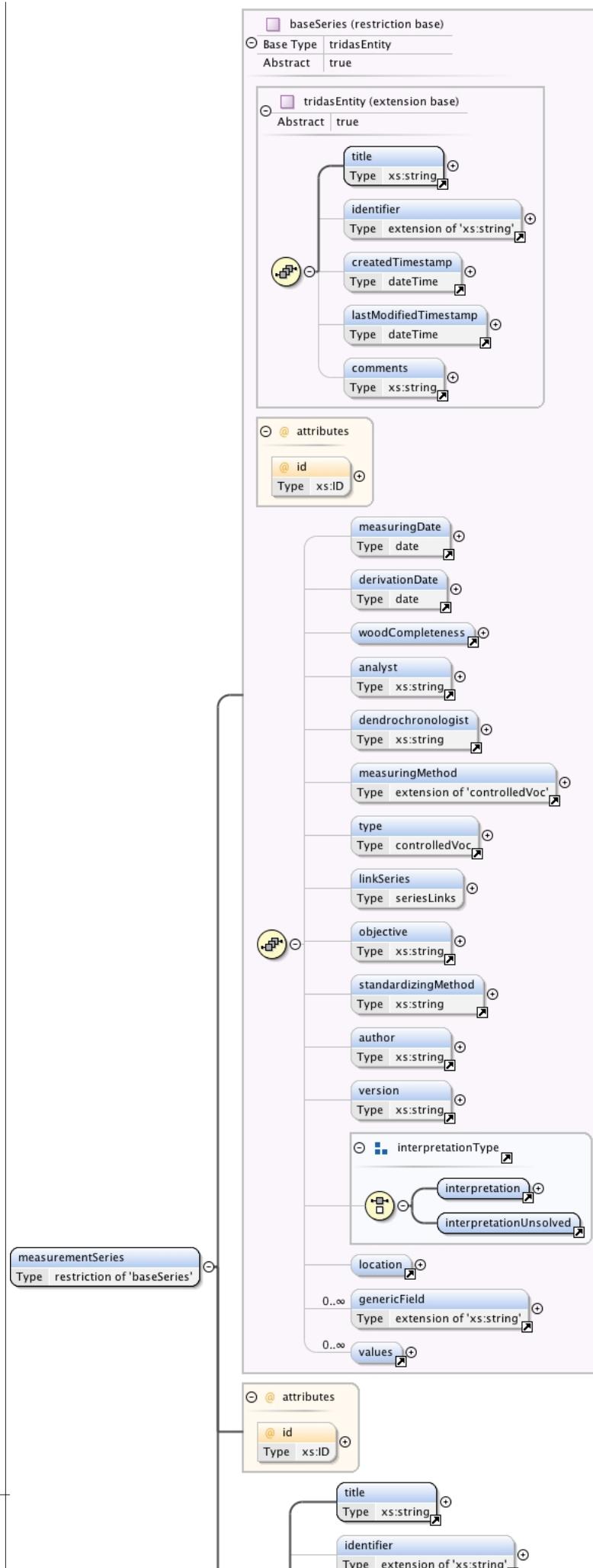
Element azimuth

Namespace	http://www.tridas.org/1.2.1				
Annotations	Angle in degrees from north along which this radius lies.				
Diagram	<pre> classDiagram class azimuth class xsDecimal { Type xs:decimal } azimuth --> xsDecimal : xs:decimal </pre>				
Type	xs:decimal				
Properties	content: simple				
Used by	Element radius				
Source	<pre> <xs:element name="azimuth" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Angle in degrees from north along which this radius lies.</xs:documentation> </xs:annotation> </xs:element> </pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Element measurementSeries

Namespace	http://www.tridas.org/1.2.1				
Annotations	A measurementSeries is a series of direct, raw measurements along a radius. A single measurementSeries can be standardised or a collection of measurementSeries can be combined into a derivedSeries. The measurements themselves are stored separately as values.				

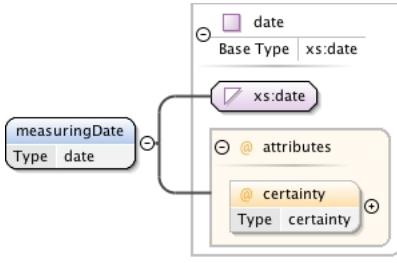
Diagram



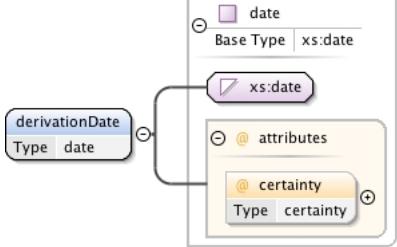
Type	restriction of baseSeries										
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity <ul style="list-style-type: none"> • baseSeries 										
Properties	content: complex										
Used by	Element radius										
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , measuringDate{0,1} , woodCompleteness{0,1} , analyst{0,1} , dendrochronologist{0,1} , measuringMethod , (interpretation interpretationUnsolved) , genericField* , values*										
Children	analyst, comments, createdTimestamp, dendrochronologist, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, measuringDate, measuringMethod, title, values, woodCompleteness										
Instance	<pre><measurementSeries id=""> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> <measuringDate certainty="">{0,1}</measuringDate> <woodCompleteness>{0,1}</woodCompleteness> <analyst>{0,1}</analyst> <dendrochronologist>{0,1}</dendrochronologist> <measuringMethod lang="" normal="" normalId="" normalStd="" normalTridas="">{1,1}</measuringMethod> <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:annotation> <xs:documentation xml:lang="EN">A measurementSeries is a series of direct, raw measurements along a radius. A single measurementSeries can be standardised or a collection of measurementSeries can be combined into a derivedSeries. The measurements themselves are stored separately as values.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="baseSeries"> <xs:sequence> <xs:element ref="title"/> <xs:element ref="identifier" minOccurs="0"/> <xs:element ref="createdTimestamp" minOccurs="0"/> <xs:element ref="lastModifiedTimestamp" minOccurs="0"/> <xs:element ref="comments" minOccurs="0"/> <xs:element ref="measuringDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="woodCompleteness" minOccurs="0" maxOccurs="1"/> <xs:element ref="analyst" minOccurs="0"/> <xs:element ref="dendrochronologist" minOccurs="0"/> <xs:element ref="measuringMethod" minOccurs="1"/> <xs:group ref="interpretationType" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="values" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element measuringDate

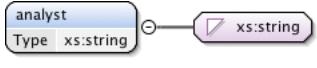
Namespace	http://www.tridas.org/1.2.1
Annotations	Date that the measurements where made.

Diagram											
Type	date										
Properties	content: complex										
Used by	Complex Type baseSeries Element measurementSeries										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="measuringDate" type="date"> <xs:annotation> <xs:documentation>Date that the measurements where made.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element derivationDate

Namespace	http://www.tridas.org/1.2.1										
Annotations	The date that this derivedSeries was created.										
Diagram											
Type	date										
Properties	content: complex										
Used by	Complex Type baseSeries Element derivedSeries										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use							
certainty	certainty			optional							
Source	<pre><xs:element name="derivationDate" type="date"> <xs:annotation> <xs:documentation xml:lang="EN">The date that this derivedSeries was created.</xs:documentation> </xs:annotation> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element analyst

Namespace	http://www.tridas.org/1.2.1
Annotations	Name of the analyst that made the series
Diagram	
Type	xs:string

Properties	content: simple	
Used by	Complex Type	baseSeries
	Element	measurementSeries
Source	<pre><xs:element name="analyst" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the analyst that made the series</ xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element **dendrochronologist**

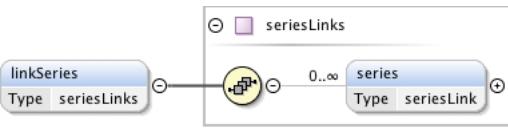
Namespace	http://www.tridas.org/1.2.1	
Annotations	Name of the dendrochronologist that oversaw the analyst	
Diagram	<pre> classDiagram class dendrochronologist { <<xs:string>> } xs:string dendrochronologist o--> xs:string </pre>	
Type	xs:string	
Properties	content: simple	
Used by	Complex Type baseSeries Element measurementSeries	
Source	<pre><xs:element name="dendrochronologist" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the dendrochronologist that oversaw the analyst</xs:documentation> </xs:annotation> </xs:element></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element **measuringMethod**

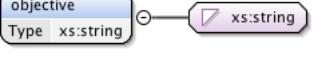
Namespace	http://www.tridas.org/1.2.1	
Annotations	Method that was used to measure this measurementSeries, preferably from the TRiDaS controlled vocabulary.	
Diagram	<pre> classDiagram class controlledVoc { <<extension base>> <<Base Type xs:string>> } class measuringMethod { <<extension of 'controlledVoc'>> <<@ attributes>> @normalStd @normalId @normal @lang <<Type xs:language>> } controlledVoc "1" -- "1" measuringMethod class normalTridas { <<Type normalTridasMeasuringMethod>> } measuringMethod --> normalTridas </pre>	
Type	extension of controlledVoc	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 	
Properties	content: complex	
Used by	Complex Type baseSeries	

	Elements	measurementSeries, vocabulary/measurementSeries.measuringMethod		
Attributes	QName	Type	Fixed	Default
	lang	xs:language		optional
		The language this term is in. Default is EN if not specified.		
	normal			optional
		The normalised name for this entry		
	normalId			optional
		The ID value in the standard dictionary corresponding to this entry		
	normalStd			optional
		The name of the standard used to control this vocabulary		
	normalTridas	normalTridasMeasuringMethod		optional
		TRiDaS controlled vocabulary for the method of measuring.		
Source	<xs:element name="measuringMethod"> <xs:annotation> <xs:documentation xml:lang="EN">Method that was used to measure this measurementSeries, preferably from the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasMeasuringMethod"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for the method of measuring.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>			
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd			

Element baseSeries / linkSeries

Namespace	http://www.tridas.org/1.2.1
Diagram	
Type	seriesLinks
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	series*
Children	series
Instance	<linkSeries> <series>{0,unbounded}</series> </linkSeries>
Source	<xs:element name="linkSeries" type="seriesLinks" minOccurs="0" maxOccurs="1"/>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element objective

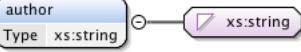
Namespace	http://www.tridas.org/1.2.1
Annotations	The reason/rationale why this series was made
Diagram	
Type	xs:string
Properties	content: simple

Used by	Complex Type Element	baseSeries derivedSeries
Source		<pre><xs:element name="objective" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">The reason/rationale why this series was made</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element standardizingMethod

Namespace	http://www.tridas.org/1.2.1	
Annotations	Numerical method used to standardise the series	
Diagram		 A UML class diagram fragment showing a class 'standardizingMethod' with a single attribute 'Type xs:string'. A line connects the class to the attribute, and another line connects the attribute to a small 'xs:string' icon.
Type	xs:string	
Properties	content: simple	
Used by	Complex Type Element	baseSeries derivedSeries
Source		<pre><xs:element name="standardizingMethod" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Numerical method used to standardise the series</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element author

Namespace	http://www.tridas.org/1.2.1	
Annotations	Name of the person that created this derivedSeries	
Diagram		 A UML class diagram fragment showing a class 'author' with a single attribute 'Type xs:string'. A line connects the class to the attribute, and another line connects the attribute to a small 'xs:string' icon.
Type	xs:string	
Properties	content: simple	
Used by	Complex Type Element	baseSeries derivedSeries
Source		<pre><xs:element name="author" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Name of the person that created this derivedSeries</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Element version

Namespace	http://www.tridas.org/1.2.1	
Annotations	Version number of this derivedSeries	
Diagram		 A UML class diagram fragment showing a class 'version' with a single attribute 'Type xs:string'. A line connects the class to the attribute, and another line connects the attribute to a small 'xs:string' icon.
Type	xs:string	
Properties	content: simple	
Used by	Complex Type Element	baseSeries derivedSeries

Source	<pre><xss:element name="version" type="xs:string"> <xss:annotation> <xss:documentation xml:lang="EN">Version number of this derivedSeries</ xs:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element interpretation

Namespace	http://www.tridas.org/1.2.1
Annotations	Information interpreted from the series
Diagram	<pre> classDiagram class interpretation { dating firstYear lastYear datingReference statFoundation pithYear deathYear provenance } interpretation < -- interpretationType interpretation "0..oo" --> statFoundation </pre>
Properties	content: complex
Used by	Element Group interpretationType
Model	dating{0,1} , firstYear{0,1} , lastYear{0,1} , datingReference{0,1} , statFoundation* , pithYear{0,1} , deathYear{0,1} , provenance{0,1}
Children	dating, datingReference, deathYear, firstYear, lastYear, pithYear, provenance, statFoundation
Instance	<pre> <interpretation> <dating type="">{0,1}</dating> <firstYear certainty="" suffix="">{0,1}</firstYear> <lastYear certainty="" suffix="">{0,1}</lastYear> <datingReference>{0,1}</datingReference> <statFoundation>{0,unbounded}</statFoundation> <pithYear certainty="" suffix="">{0,1}</pithYear> <deathYear certainty="" suffix="">{0,1}</deathYear> <provenance>{0,1}</provenance> </interpretation> </pre>
Source	<pre><xss:element name="interpretation"> <xss:annotation> <xss:documentation xml:lang="EN">Information interpreted from the series</ xs:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="dating" minOccurs="0" /> <xss:element ref="firstYear" minOccurs="0" /> <xss:element ref="lastYear" minOccurs="0" /> <xss:element ref="datingReference" minOccurs="0" /> <xss:element ref="statFoundation" minOccurs="0" maxOccurs="unbounded" /> <xss:element ref="pithYear" minOccurs="0" /> <xss:element ref="deathYear" minOccurs="0" /> <xss:element ref="provenance" minOccurs="0" /> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element dating

Namespace	http://www.tridas.org/1.2.1
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Annotations	Information about dating															
Diagram	<pre> classDiagram class dating { @ attributes @ type Type normalTridasDatingType } note over dating: Field to denote dating type </pre>															
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>type</td> <td>normalTridasDatingType</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>Field to denote dating type</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	type	normalTridasDatingType			required			Field to denote dating type		
QName	Type	Fixed	Default	Use												
type	normalTridasDatingType			required												
		Field to denote dating type														
Source	<pre> <xs:element name="dating"> <xs:annotation> <xs:documentation xml:lang="EN">Information about dating</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="type" type="normalTridasDatingType" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">Field to denote dating type</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element firstYear

Namespace	http://www.tridas.org/1.2.1															
Annotations	Year of the first measured ring. This is derived from the chronology that was used to date this series. It is not to be confused with sproutYear.															
Diagram	<pre> classDiagram class firstYear { Type year } class year { Base Type xs:positiveInteger } firstYear < -- year class attributes { @ certainty Type certainty } class suffix { Type datingSuffix } firstYear --> attributes firstYear --> suffix </pre>															
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>suffix</td> <td>datingSuffix</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre> <xs:element name="firstYear" type="year"> <xs:annotation> <xs:documentation xml:lang="EN">Year of the first measured ring. This is derived from the chronology that was used to date this series. It is not to be confused with sproutYear.</xs:documentation> </xs:annotation> </xs:element> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element lastYear

Namespace	http://www.tridas.org/1.2.1
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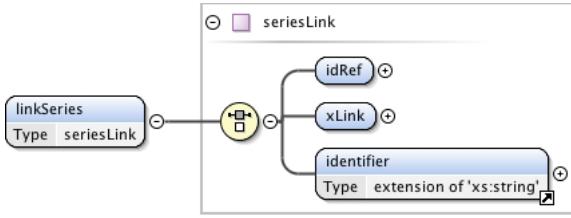
Annotations	Year of the last measured ring. It is not to be confused with deathYear which might also include unmeasured or hypothetical rings															
Diagram	<pre> classDiagram class lastYear { <<year>> <<xs:positiveInteger>> @certainty @suffix } class year { <<xs:positiveInteger>> @attributes @certainty @suffix } </pre>															
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>suffix</td> <td>datingSuffix</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre> <xs:element name="lastYear" type="year"> <xs:annotation> <xs:documentation xml:lang="EN">Year of the last measured ring. It is not to be confused with deathYear which might also include unmeasured or hypothetical rings</xs:documentation> </xs:annotation> </xs:element> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element datingReference

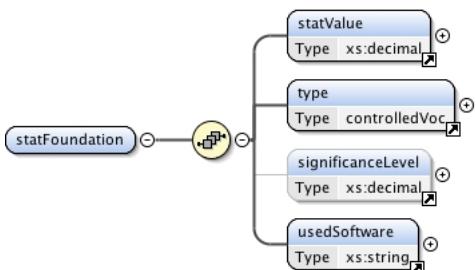
Namespace	http://www.tridas.org/1.2.1
Annotations	Chronology used to interpret the series
Diagram	<pre> classDiagram class datingReference class linkSeries datingReference o--o linkSeries </pre>
Properties	content: complex
Used by	Element interpretation
Model	linkSeries
Children	linkSeries
Instance	<pre> <datingReference> <linkSeries>{1,1}</linkSeries> </datingReference> </pre>
Source	<pre> <xs:element name="datingReference"> <xs:annotation> <xs:documentation xml:lang="EN">Chronology used to interpret the series</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="linkSeries" type="seriesLink" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element datingReference / linkSeries

Namespace	http://www.tridas.org/1.2.1
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Diagram	
Type	seriesLink
Properties	content: complex
Model	idRef xLink identifier
Children	idRef, identifier, xLink
Instance	<pre><linkSeries> <idRef ref="">{1,1}</idRef> <xLink xlink:href="">{1,1}</xLink> <identifier domain="">{1,1}</identifier> </linkSeries></pre>
Source	<code><xs:element name="linkSeries" type="seriesLink"/></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element statFoundation

Namespace	http://www.tridas.org/1.2.1
Annotations	Container for fields that describe the statistical method used for crossdating
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 lang="" normal="" normalId="" normalStd="">{1,1}</type> <significanceLevel>{0,1}</significanceLevel> <usedSoftware>{1,1}</usedSoftware> </statFoundation></pre>
Source	<pre><xs:element name="statFoundation"> <xs:annotation> <xs:documentation xml:lang="EN">Container for fields that describe the statistical method used for crossdating</xs:documentation> </xs:annotation> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element statValue

Namespace	http://www.tridas.org/1.2.1
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Annotations	Statistical value used to support match with chronology
Diagram	<pre> classDiagram class statValue { <<xs:annotation>> <<xs:documentation xml:lang="EN">>Statistical value used to support match with chronology</xs:documentation> </xs:annotation> } statValue < -- xs:decimal </pre>
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre> <xs:element name="statValue" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Statistical value used to support match with chronology</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element significanceLevel

Namespace	http://www.tridas.org/1.2.1
Annotations	Significance of the statistical match with the chronology
Diagram	<pre> classDiagram class significanceLevel { <<xs:annotation>> <<xs:documentation xml:lang="EN">>Significance of the statistical match with the chronology</xs:documentation> </xs:annotation> } significanceLevel < -- xs:decimal </pre>
Type	xs:decimal
Properties	content: simple
Used by	Element statFoundation
Source	<pre> <xs:element name="significanceLevel" type="xs:decimal"> <xs:annotation> <xs:documentation xml:lang="EN">Significance of the statistical match with the chronology</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element usedSoftware

Namespace	http://www.tridas.org/1.2.1
Annotations	Software used to perform the statistical match with the chronology
Diagram	<pre> classDiagram class usedSoftware { <<xs:annotation>> <<xs:documentation xml:lang="EN">>Software used to perform the statistical match with the chronology</xs:documentation> </xs:annotation> } usedSoftware < -- xs:string </pre>
Type	xs:string
Properties	content: simple
Used by	Element statFoundation
Source	<pre> <xs:element name="usedSoftware" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Software used to perform the statistical match with the chronology</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element pithYear

Namespace	http://www.tridas.org/1.2.1
Annotations	Estimated year that the tree sprouted

Diagram																
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><xs:element name="pithYear" type="year"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated year that the tree sprouted</ xs:documentation> </xs:annotation> </xs:element></pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element deathYear

Namespace	http://www.tridas.org/1.2.1															
Annotations	Estimated year of death of the tree															
Diagram																
Type	year															
Properties	content: complex															
Used by	Element interpretation															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre><xs:element name="deathYear" type="year"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated year of death of the tree</xs:documentation> </xs:annotation> </xs:element></pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Element provenance

Namespace	http://www.tridas.org/1.2.1
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Annotations	Estimated provenance derived from the matching chronology
Diagram	A UML class diagram fragment showing an element named 'provenance' with a multiplicity of 0..1. It is associated with a type 'xs:string'.
Type	xs:string
Properties	content: simple
Used by	Element interpretation
Source	<pre><xs:element name="provenance" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="EN">Estimated provenance derived from the matching chronology</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element interpretationUnsolved

Namespace	http://www.tridas.org/1.2.1
Diagram	A UML class diagram fragment showing an element named 'interpretationUnsolved'.
Properties	content: complex
Used by	Element Group interpretationType
Source	<pre><xs:element name="interpretationUnsolved"> <xs:complexType/> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element values

Namespace	http://www.tridas.org/1.2.1
Annotations	This is a container for a group of actual measurement values. When appropriate this container includes details on the variable being represented as well as the units used. If the values are unitless, then the special <unitless> field is used.
Diagram	A UML class diagram fragment showing an element named 'values'. It has a multiplicity of 0..1. It is associated with a 'variable' element (multiplicity 0..1) and a 'value+' sequence (multiplicity 1..infinity). The 'variable' element has a type 'extension of controlledVoc'. The 'value+' sequence contains a 'unitless' element (multiplicity 0..1) and a 'unit' element (multiplicity 0..1), both of which have a type 'extension of controlledVoc'.
Properties	content: complex
Used by	Complex Type baseSeries Elements derivedSeries, measurementSeries
Model	variable , (unitless unit) , value+
Children	unit, unitless, value, variable
Instance	<pre><values> <variable lang="" normal="" normalId="" normalStd="" normalTridas="">{1,1}</variable> <value count="" value="">{1,unbounded}</value> </values></pre>
Source	<pre><xs:element name="values"> <xs:annotation> <xs:documentation xml:lang="EN">This is a container for a group of actual measurement values. When appropriate this container includes details on the variable being represented as well as the units used. If the values are unitless, then the special <unitless> field is used.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence></pre>

	<pre> <xs:element ref="variable" minOccurs="1" maxOccurs="1" /> <xs:choice> <xs:element ref="unitless" /> <xs:element ref="unit" /> </xs:choice> <xs:element ref="value" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element variable

Namespace	http://www.tridas.org/1.2.1																																																		
Annotations	Measured variable (ring width, earlywood, latewood etc) preferably taken from the TRiDaS controlled vocabulary																																																		
Diagram	<pre> classDiagram class controlledVoc { <<extension base>> <<Base Type xs:string>> <<@ attributes>> @normalStd @normalId @normal @lang "Type xs:language" } class variable { <<Type extension of 'controlledVoc'>> } controlledVoc < -- variable class @normalTridas { <<Type normalTridasVariable>> } </pre>																																																		
Type	extension of controlledVoc																																																		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																																		
Properties	content: complex																																																		
Used by	Elements values, vocabulary/values.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>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The language this term is in. Default is EN if not specified.</td></tr> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The normalised name for this entry</td></tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The name of the standard used to control this vocabulary</td></tr> <tr> <td>normalTridas</td> <td>normalTridasVariable</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	lang	xs:language			optional		The language this term is in. Default is EN if not specified.				normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary				normalTridas	normalTridasVariable			optional
QName	Type	Fixed	Default	Use																																															
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normalStd				optional																																															
	The name of the standard used to control this vocabulary																																																		
normalTridas	normalTridasVariable			optional																																															
Source	<pre> <xs:element name="variable"> <xs:annotation> <xs:documentation xml:lang="EN">Measured variable (ring width, earlywood, latewood etc) preferably taken from the TRiDaS controlled vocabulary</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasVariable"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>																																																		

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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Element unitless

Namespace	http://www.tridas.org/1.2.1
Annotations	Presence of this field denotes that the associated values have no units. Not to be used to denote *unknown* units.
Diagram	
Properties	content: complex
Used by	Element values
Source	<pre><xs:element name="unitless"> <xs:annotation> <xs:documentation xml:lang="EN">Presence of this field denotes that the associated values have no units. Not to be used to denote *unknown* units.</xs:documentation> </xs:annotation> <xs:complexType/> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element value

Namespace	http://www.tridas.org/1.2.1																									
Diagram	 The diagram illustrates the structure of the 'value' element. It consists of a central 'value' node with two attributes: '@ value' (Type xs:string) and '@ count' (Type xs:int). A multiplicity of 0..∞ is indicated next to the 'value' node. A 'remark' node (Type extension of 'controlledVoc') is connected to the 'value' node via a line with a cross symbol, indicating it is a child element.																									
Properties	content: complex																									
Used by	Element values																									
Model	remark*																									
Children	remark																									
Instance	<pre><value count="" value=""> <remark inheritedCount="" lang="" 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:int</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional field to denote how many underlying values went to create this value in a derivedSeries</td></tr> <tr> <td>value</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	count	xs:int			optional		Optional field to denote how many underlying values went to create this value in a derivedSeries				value	xs:string			required		A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.			
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value	xs:string			required																						
	A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.																									
Source	<pre><xs:element name="value"> <xs:complexType> <xs:sequence> <xs:element ref="remark" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="value" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="count" type="xs:int" use="optional"></pre>																									

	<pre> <xs:annotation> <xs:documentation xml:lang="EN">Optional field to denote how many underlying values went to create this value in a derivedSeries</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element remark

Namespace	http://www.tridas.org/1.2.1																																																																	
Annotations	Remark about this value. Remarks can be standardised to consistently record important features like 'frost damage' - preferably using the TRiDaS controlled vocabulary.																																																																	
Diagram	<pre> classDiagram class controlledVoc { <<extension base>> <<Base Type xs:string>> } class remark { <<extension of 'controlledVoc'>> <<@normalStd, @normalId, @normal, @lang (Type xs:language)>> <<@normalTridas (Type normalTridasRemark), @inheritedCount (Type xs:int)>> } controlledVoc < -- remark </pre>																																																																	
Type	extension of controlledVoc																																																																	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • controlledVoc 																																																																	
Properties	content: complex																																																																	
Used by	Elements value, vocabulary/values.remark																																																																	
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>inheritedCount</td> <td>xs:int</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.</td></tr> <tr> <td>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The language this term is in. Default is EN if not specified.</td></tr> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The normalised name for this entry</td></tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The name of the standard used to control this vocabulary</td></tr> <tr> <td>normalTridas</td> <td>normalTridasRemark</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">TRiDaS controlled vocabulary for specific remarks.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	inheritedCount	xs:int			optional		In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.				lang	xs:language			optional		The language this term is in. Default is EN if not specified.				normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary				normalTridas	normalTridasRemark			optional		TRiDaS controlled vocabulary for specific remarks.			
QName	Type	Fixed	Default	Use																																																														
inheritedCount	xs:int			optional																																																														
	In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.																																																																	
lang	xs:language			optional																																																														
	The language this term is in. Default is EN if not specified.																																																																	
normal				optional																																																														
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normalStd				optional																																																														
	The name of the standard used to control this vocabulary																																																																	
normalTridas	normalTridasRemark			optional																																																														
	TRiDaS controlled vocabulary for specific remarks.																																																																	
Source	<pre> <xs:element name="remark"> <xs:annotation> <xs:documentation xml:lang="EN">Remark about this value. Remarks can be standardised to consistently record important features like 'frost damage' - preferably using the TRiDaS controlled vocabulary.</xs:documentation> </xs:annotation> </xs:element> </pre>																																																																	

	<pre> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="controlledVoc"> <xs:attribute name="normalTridas" type="normalTridasRemark"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS controlled vocabulary for specific remarks.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="inheritedCount" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="EN">In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element radiusPlaceholder

Namespace	http://www.tridas.org/1.2.1
Annotations	This entity is used instead of a standard 'radius' when radius details are not known.
Diagram	
Properties	content: complex
Used by	Element sample
Model	measurementSeriesPlaceholder
Children	measurementSeriesPlaceholder
Instance	<pre> <radiusPlaceholder> <measurementSeriesPlaceholder id="">{1,1}</measurementSeriesPlaceholder> </radiusPlaceholder> </pre>
Source	<pre> <xs:element name="radiusPlaceholder"> <xs:annotation> <xs:documentation xml:lang="EN">This entity is used instead of a standard 'radius' when radius details are not known.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="measurementSeriesPlaceholder"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element measurementSeriesPlaceholder

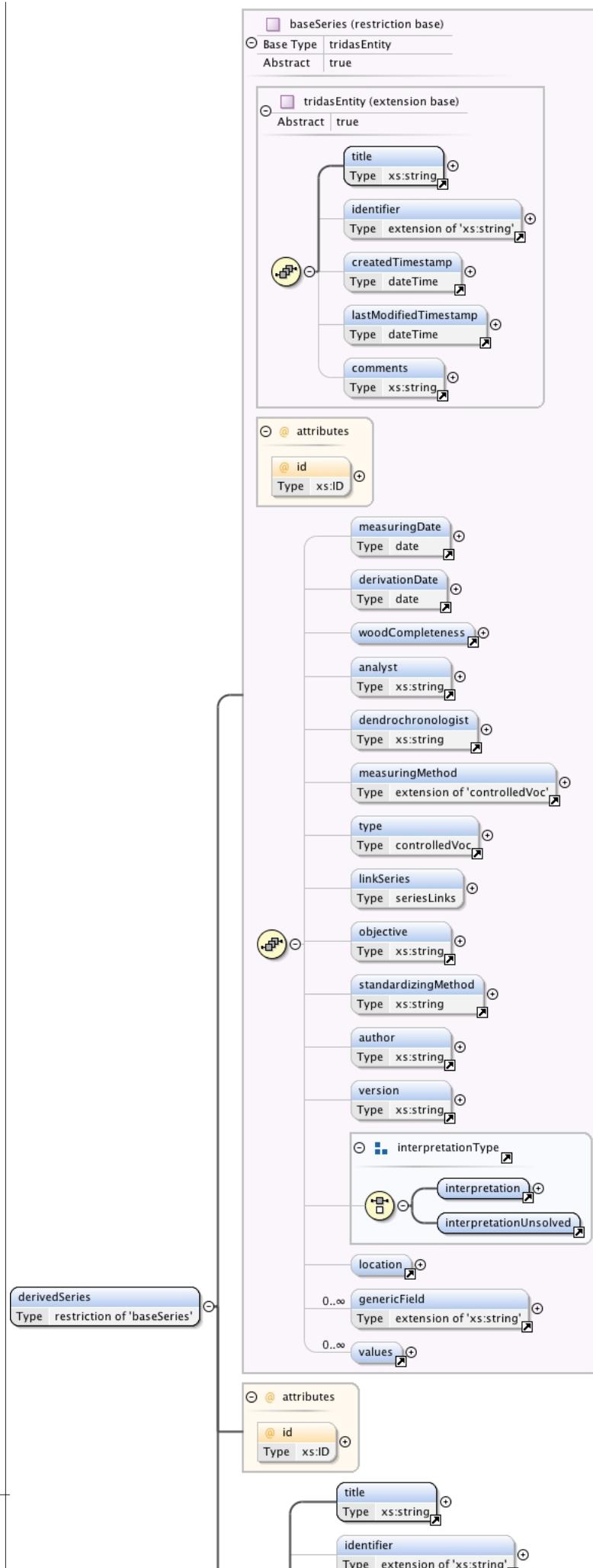
Namespace	http://www.tridas.org/1.2.1										
Annotations	If no measurementSeries information is known (e.g. if describing a derivedSeries where no measurementSeries data is available) this placeholder is used instead of a standard measurementSeries entity.										
Diagram											
Properties	content: complex										
Used by	Element radiusPlaceholder										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:ID</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	id	xs:ID			required
QName	Type	Fixed	Default	Use							
id	xs:ID			required							
Source	<pre> <xs:element name="measurementSeriesPlaceholder"> </pre>										

	<pre> <xs:annotation> <xs:documentation xml:lang="EN">If no measurementSeries information is known (e.g. if describing a derivedSeries where no measurementSeries data is available) this placeholder is used instead of a standard measurementSeries entity.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="id" type="xs:ID" use="required"/> </xs:complexType> </xs:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element derivedSeries

Namespace	http://www.tridas.org/1.2.1
Annotations	A derivedSeries is a calculated series of values and is a minor modification of the 'v-series' concept proposed by Brewer et al (2009). Examples include: index; average of a collection of measurementSeries such as a chronology. A derivedSeries is derived from one or more measurementSeries and has multiple values associated with it.

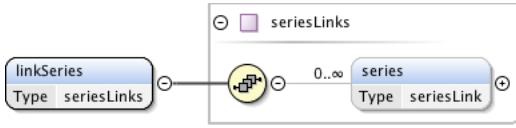
Diagram



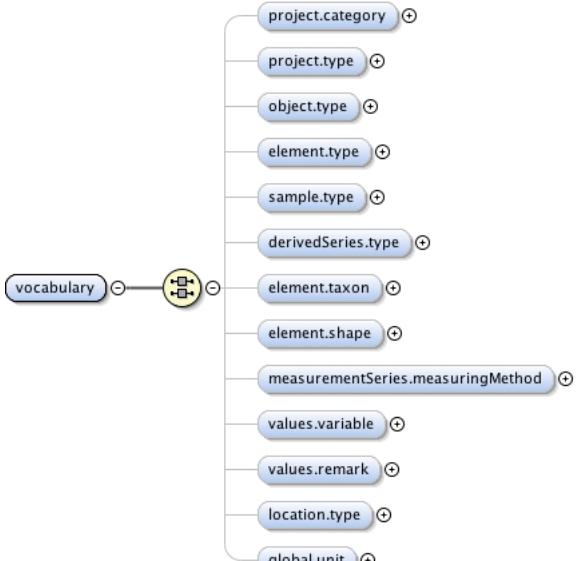
Type	restriction of baseSeries										
Type hierarchy	<ul style="list-style-type: none"> • tridasEntity <ul style="list-style-type: none"> • baseSeries 										
Properties	content: complex										
Used by	Element project										
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , derivationDate{0,1} , type , linkSeries , objective{0,1} , standardizingMethod{0,1} , author{0,1} , version{0,1} , (interpretation interpretationUnsolved) , location{0,1} , genericField* , values*										
Children	author, comments, createdTimestamp, derivationDate, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, linkSeries, location, objective, standardizingMethod, title, type, values, version										
Instance	<pre><derivedSeries id=""> <title>{1,1}</title> <identifier domain="">{0,1}</identifier> <createdTimestamp certainty="">{0,1}</createdTimestamp> <lastModifiedTimestamp certainty="">{0,1}</lastModifiedTimestamp> <comments>{0,1}</comments> <derivationDate certainty="">{0,1}</derivationDate> <type lang="" normal="" normalId="" normalStd="">{1,1}</type> <linkSeries>{1,1}</linkSeries> <objective>{0,1}</objective> <standardizingMethod>{0,1}</standardizingMethod> <author>{0,1}</author> <version>{0,1}</version> <location>{0,1}</location> <genericField name="" type="">{0,unbounded}</genericField> <values>{0,unbounded}</values> </derivedSeries></pre>										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:ID</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	id	xs:ID			optional
QName	Type	Fixed	Default	Use							
id	xs:ID			optional							
Source	<pre><xs:element name="derivedSeries"> <xs:annotation> <xs:documentation xml:lang="EN">A derivedSeries is a calculated series of values and is a minor modification of the 'v-series' concept proposed by Brewer et al (2009). Examples include: index; average of a collection of measurementSeries such as a chronology. A derivedSeries is derived from one or more measurementSeries and has multiple values associated with it.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="baseSeries"> <xs:sequence> <xs:element ref="title"/> <xs:element ref="identifier" minOccurs="0"/> <xs:element ref="createdTimestamp" minOccurs="0"/> <xs:element ref="lastModifiedTimestamp" minOccurs="0"/> <xs:element ref="comments" minOccurs="0"/> <xs:element ref="derivationDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="type" minOccurs="1"/> <xs:element name="linkSeries" type="seriesLinks" minOccurs="1" maxOccurs="1"/> <xs:element ref="objective" minOccurs="0"/> <xs:element ref="standardizingMethod" minOccurs="0"/> <xs:element ref="author" minOccurs="0"/> <xs:element ref="version" minOccurs="0"/> <xs:group ref="interpretationType" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="values" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element **derivedSeries / linkSeries**

Namespace	http://www.tridas.org/1.2.1
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Diagram	
Type	seriesLinks
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	series*
Children	series
Instance	<linkSeries> <series>{0,unbounded}</series> </linkSeries>
Source	<xss:element name="linkSeries" type="seriesLinks" minOccurs="1" maxOccurs="1"/>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary

Namespace	http://www.tridas.org/1.2.1
Annotations	Collection of one or more vocabulary dictionaries
Diagram	
Properties	content: complex
Used by	Element tridas
Model	ALL(project.category{0,1} project.type{0,1} object.type{0,1} element.type{0,1} sample.type{0,1} derivedSeries.type{0,1} element.taxon{0,1} element.shape{0,1} measurementSeries.measuringMethod{0,1} values.variable{0,1} values.remark{0,1} location.type{0,1} global.unit{0,1})
Children	derivedSeries.type, element.shape, element.taxon, element.type, global.unit, location.type, measurementSeries.measuringMethod, object.type, project.category, project.type, sample.type, values.remark, values.variable
Instance	<vocabulary> <project.category>{0,1}</project.category> <project.type>{0,1}</project.type> <object.type>{0,1}</object.type> <element.type>{0,1}</element.type> <sample.type>{0,1}</sample.type> <derivedSeries.type>{0,1}</derivedSeries.type> <element.taxon>{0,1}</element.taxon> <element.shape>{0,1}</element.shape> <measurementSeries.measuringMethod>{0,1}</measurementSeries.measuringMethod> <values.variable>{0,1}</values.variable> <values.remark>{0,1}</values.remark> <location.type>{0,1}</location.type>

	<pre> <global.unit>{0,1}</global.unit> </vocabulary> </pre>
Source	<pre> <xs:element name="vocabulary"> <xs:annotation> <xs:documentation>Collection of one or more vocabulary dictionaries</xs:documentation> </xs:annotation> <xs:complexType> <xs:all> <xs:element name="project.category" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="category" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="project.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="object.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="element.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="sample.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="derivedSeries.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="element.taxon" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="taxon" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="element.shape" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="shape" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="measurementSeries.measuringMethod" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="measuringMethod" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="values.variable" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="variable" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="values.remark" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="remark" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </xs:all> </xs:complexType> </vocabulary> </pre>

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        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="location.type" minOccurs="0" maxOccurs="1">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="locationType" minOccurs="1" maxOccurs="unbounded" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="global.unit" minOccurs="0" maxOccurs="1">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="unit" minOccurs="1" maxOccurs="unbounded" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:all>
</xs:complexType>
</xs:element>

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Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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Element vocabulary / project.category

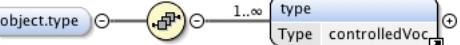
Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> graph LR projectCategory[project.category] -- "1..∞" --> type["type Type controlledVoc"] </pre>
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	category+
Children	category
Instance	<project.category> <category lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</category> </project.category>
Source	<xs:element name="project.category" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="category" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / project.type

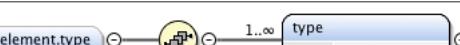
Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> graph LR projectType[project.type] -- "1..∞" --> type["type Type controlledVoc"] </pre>
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	type+
Children	type
Instance	<project.type> <type lang="" normal="" normalId="" normalStd="">{1,unbounded}</type> </project.type>
Source	<xs:element name="project.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="type" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element>

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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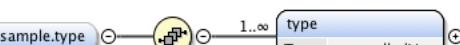
Element vocabulary / object.type

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	type+
Children	type
Instance	<pre><object.type> <type lang="" normal="" normalId="" normalStd="">{1,unbounded}</type> </object.type></pre>
Source	<pre><x:element name="object.type" minOccurs="0" maxOccurs="1"> <x:complexType> <x:sequence> <x:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / element.type

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	type+
Children	type
Instance	<pre><element.type> <type lang="" normal="" normalId="" normalStd="">{1,unbounded}</type> </element.type></pre>
Source	<pre><x:element name="element.type" minOccurs="0" maxOccurs="1"> <x:complexType> <x:sequence> <x:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </x:sequence> </x:complexType> </x:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / sample.type

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	type+
Children	type
Instance	<pre><sample.type></pre>

	<pre><type lang="" normal="" normalId="" normalStd="">{1,unbounded}</type> </sample.type></pre>
Source	<pre><xss:element name="sample.type" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / derivedSeries.type

Namespace	http://www.tridas.org/1.2.1						
Diagram	<pre> graph LR DS[derivedSeries.type] --> T[type] DS --> C[Type controlledVoc] T -- "1..∞" --> C </pre>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	type+						
Children	type						
Instance	<pre><derivedSeries.type> <type lang="" normal="" normalId="" normalStd="">{1,unbounded}</type> </derivedSeries.type></pre>						
Source	<pre><xss:element name="derivedSeries.type" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="type" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd						

Element vocabulary / element.taxon

Namespace	http://www.tridas.org/1.2.1						
Diagram	<pre> graph LR ET[element.taxon] --> T[taxon] ET --> C[Type controlledVoc] T -- "1..∞" --> C </pre>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	taxon+						
Children	taxon						
Instance	<pre><element.taxon> <taxon lang="" normal="" normalId="" normalStd="">{1,unbounded}</taxon> </element.taxon></pre>						
Source	<pre><xss:element name="element.taxon" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="taxon" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd						

Element vocabulary / element.shape

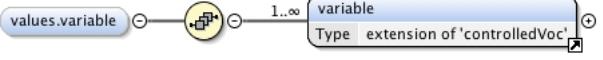
Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> graph LR ES[element.shape] --> S[shape] ES --> C[Type extension of 'controlledVoc'] S -- "1..∞" --> C </pre>

Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	shape+
Children	shape
Instance	<pre><element.shape> <shape lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</shape> </element.shape></pre>
Source	<pre><xss:element name="element.shape" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="shape" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / measurementSeries.measuringMethod

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	measuringMethod+
Children	measuringMethod
Instance	<pre><measurementSeries.measuringMethod> <measuringMethod lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</measuringMethod> </measurementSeries.measuringMethod></pre>
Source	<pre><xss:element name="measurementSeries.measuringMethod" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="measuringMethod" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / values.variable

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	variable+
Children	variable
Instance	<pre><values.variable> <variable lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</variable> </values.variable></pre>
Source	<pre><xss:element name="values.variable" minOccurs="0" maxOccurs="1"> <xss:complexType> <xss:sequence> <xss:element ref="variable" minOccurs="1" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType></pre>

	</xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / values.remark

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	remark+
Children	remark
Instance	<values.remark> <remark inheritedCount="" lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</remark> </values.remark>
Source	<xs:element name="values.remark" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="remark" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Element vocabulary / location.type

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	locationType+
Children	locationType
Instance	<location.type> <locationType>{1,unbounded}</locationType> </location.type>
Source	<xs:element name="location.type" minOccurs="0" maxOccurs="1"> <xs:complexType> <xs:sequence> <xs:element ref="locationType" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

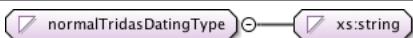
Element vocabulary / global.unit

Namespace	http://www.tridas.org/1.2.1
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	unit+

Children	unit
Instance	<global.unit> <unit lang="" normal="" normalId="" normalStd="" normalTridas="">{1,unbounded}</unit> </global.unit>
Source	<x:element name="global.unit" minOccurs="0" maxOccurs="1"> <x:complexType> <x:sequence> <x:element ref="unit" minOccurs="1" maxOccurs="unbounded"/> </x:sequence> </x:complexType> </x:element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Simple Types

Simple Type normalTridasDatingType

Namespace	http://www.tridas.org/1.2.1								
Annotations	TriDaS specified controlled vocabulary for the type of dating								
Diagram									
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td> <td>Absolute</td> </tr> <tr> <td>enumeration</td> <td>Dated with uncertainty</td> </tr> <tr> <td>enumeration</td> <td>Relative</td> </tr> <tr> <td>enumeration</td> <td>Radiocarbon</td> </tr> </table>	enumeration	Absolute	enumeration	Dated with uncertainty	enumeration	Relative	enumeration	Radiocarbon
enumeration	Absolute								
enumeration	Dated with uncertainty								
enumeration	Relative								
enumeration	Radiocarbon								
Used by	Attribute dating/@type								
Source	<x:complexType name="normalTridasDatingType"> <x:annotation> <x:documentation xml:lang="EN">TriDaS specified controlled vocabulary for the type of dating</x:documentation> </x:annotation> <x:restriction base="xs:string"> <x:enumeration value="Absolute"/> <x:enumeration value="Dated with uncertainty"/> <x:enumeration value="Relative"/> <x:enumeration value="Radiocarbon"/> </x:restriction> </x:complexType>								
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd								

Simple Type normalTridasMeasuringMethod

Namespace	http://www.tridas.org/1.2.1				
Annotations	TriDaS specified controlled vocabulary for the method of measurement				
Diagram					
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td> <td>Measuring platform</td> </tr> <tr> <td>enumeration</td> <td>Hand lens and graticule</td> </tr> </table>	enumeration	Measuring platform	enumeration	Hand lens and graticule
enumeration	Measuring platform				
enumeration	Hand lens and graticule				
Used by	Attribute measuringMethod/@normalTridas				
Source	<x:complexType name="normalTridasMeasuringMethod"> <x:annotation> <x:documentation xml:lang="EN">TriDaS specified controlled vocabulary for the method of measurement</x:documentation> </x:annotation> <x:restriction base="xs:string"> <x:enumeration value="Measuring platform"/> <x:enumeration value="Hand lens and graticule"/> </x:restriction> </x:complexType>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Simple Type normalTridasShape

Namespace	http://www.tridas.org/1.2.1																																							
Annotations	TriDaS specified controlled vocabulary element shape adapted from dictionary created by BIAX Consult, Zaandam (NL).																																							
Diagram	<pre> classDiagram class normalTridasShape class xsString normalTridasShape "1" -- "1" xsString </pre>																																							
Type	restriction of xs:string																																							
Facets	<table> <tr><td>enumeration</td><td>Whole section</td></tr> <tr><td>enumeration</td><td>Half section</td></tr> <tr><td>enumeration</td><td>Third section</td></tr> <tr><td>enumeration</td><td>Quarter section</td></tr> <tr><td>enumeration</td><td>Wedge where radius is smaller than circumference</td></tr> <tr><td>enumeration</td><td>Wedge where radius equals the circumference</td></tr> <tr><td>enumeration</td><td>Wedge where radius is bigger than the circumference</td></tr> <tr><td>enumeration</td><td>Beam straightened on one side</td></tr> <tr><td>enumeration</td><td>Squared beam from whole section</td></tr> <tr><td>enumeration</td><td>Squared beam from half section</td></tr> <tr><td>enumeration</td><td>Squared beam from quarter section</td></tr> <tr><td>enumeration</td><td>Plank cut on one side</td></tr> <tr><td>enumeration</td><td>Radial plank through pith</td></tr> <tr><td>enumeration</td><td>Radial plank up to pith</td></tr> <tr><td>enumeration</td><td>Tangential plank not including pith with breadth larger than a quarter section</td></tr> <tr><td>enumeration</td><td>Plank not including pith with breadth smaller than a quarter section</td></tr> <tr><td>enumeration</td><td>Small part of section</td></tr> <tr><td>enumeration</td><td>Part of undetermined section</td></tr> <tr><td>enumeration</td><td>Unknown</td></tr> </table>		enumeration	Whole section	enumeration	Half section	enumeration	Third section	enumeration	Quarter section	enumeration	Wedge where radius is smaller than circumference	enumeration	Wedge where radius equals the circumference	enumeration	Wedge where radius is bigger than the circumference	enumeration	Beam straightened on one side	enumeration	Squared beam from whole section	enumeration	Squared beam from half section	enumeration	Squared beam from quarter section	enumeration	Plank cut on one side	enumeration	Radial plank through pith	enumeration	Radial plank up to pith	enumeration	Tangential plank not including pith with breadth larger than a quarter section	enumeration	Plank not including pith with breadth smaller than a quarter section	enumeration	Small part of section	enumeration	Part of undetermined section	enumeration	Unknown
enumeration	Whole section																																							
enumeration	Half section																																							
enumeration	Third section																																							
enumeration	Quarter section																																							
enumeration	Wedge where radius is smaller than circumference																																							
enumeration	Wedge where radius equals the circumference																																							
enumeration	Wedge where radius is bigger than the circumference																																							
enumeration	Beam straightened on one side																																							
enumeration	Squared beam from whole section																																							
enumeration	Squared beam from half section																																							
enumeration	Squared beam from quarter section																																							
enumeration	Plank cut on one side																																							
enumeration	Radial plank through pith																																							
enumeration	Radial plank up to pith																																							
enumeration	Tangential plank not including pith with breadth larger than a quarter section																																							
enumeration	Plank not including pith with breadth smaller than a quarter section																																							
enumeration	Small part of section																																							
enumeration	Part of undetermined section																																							
enumeration	Unknown																																							
Used by	Attribute	shape/@normalTridas																																						
Source	<pre> <xs:simpleType name="normalTridasShape"> <xs:annotation> <xs:documentation xml:lang="EN">TriDaS specified controlled vocabulary element shape adapted from dictionary created by BIAX Consult, Zaandam (NL).</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Whole section"/> <xs:enumeration value="Half section"/> <xs:enumeration value="Third section"/> <xs:enumeration value="Quarter section"/> <xs:enumeration value="Wedge where radius is smaller than circumference"/> <xs:enumeration value="Wedge where radius equals the circumference"/> <xs:enumeration value="Wedge where radius is bigger than the circumference"/> <xs:enumeration value="Beam straightened on one side"/> <xs:enumeration value="Squared beam from whole section"/> </xs:restriction> </xs:simpleType> </pre>																																							

```

<xs:enumeration value="Squared beam from half section"/>
<xs:enumeration value="Squared beam from quarter section"/>
<xs:enumeration value="Plank cut on one side"/>
<xs:enumeration value="Radial plank through pith"/>
<xs:enumeration value="Radial plank up to pith"/>
<xs:enumeration value="Tangential plank not including pith with breadth larger than a
quarter section"/>
<xs:enumeration value="Plank not including pith with breadth smaller than a quarter
section"/>
<xs:enumeration value="Small part of section"/>
<xs:enumeration value="Part of undetermined section"/>
<xs:enumeration value="Unknown"/>
</xs:restriction>
</xs:simpleType>

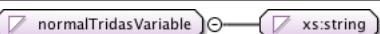
```

Schema location file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Simple Type normalTridasLocationType

Namespace	http://www.tridas.org/1.2.1										
Annotations	TriDaS specified controlled vocabulary for the type of location										
Diagram											
Type	restriction of xs:string										
Facets	<table> <tr> <td>enumeration</td><td>Growth location</td></tr> <tr> <td>enumeration</td><td>Location of use (static)</td></tr> <tr> <td>enumeration</td><td>Location of use (mobile)</td></tr> <tr> <td>enumeration</td><td>Current location</td></tr> <tr> <td>enumeration</td><td>Manufacture location</td></tr> </table>	enumeration	Growth location	enumeration	Location of use (static)	enumeration	Location of use (mobile)	enumeration	Current location	enumeration	Manufacture location
enumeration	Growth location										
enumeration	Location of use (static)										
enumeration	Location of use (mobile)										
enumeration	Current location										
enumeration	Manufacture location										
Used by	Element locationType										
Source	<pre> <xs:simpleType name="normalTridasLocationType"> <xs:annotation> <xs:documentation xml:lang="EN">TriDaS specified controlled vocabulary for the type of location</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Growth location"/> <xs:enumeration value="Location of use (static)"/> <xs:enumeration value="Location of use (mobile)"/> <xs:enumeration value="Current location"/> <xs:enumeration value="Manufacture location"/> </xs:restriction> </xs:simpleType> </pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Simple Type normalTridasVariable

Namespace	http://www.tridas.org/1.2.1																
Annotations	TRIDaS specified controlled vocabulary for the measurementSeries variable																
Diagram																	
Type	restriction of xs:string																
Facets	<table> <tr> <td>enumeration</td><td>Ring width</td></tr> <tr> <td>enumeration</td><td>Earlywood width</td></tr> <tr> <td>enumeration</td><td>Latewood width</td></tr> <tr> <td>enumeration</td><td>Ring density</td></tr> <tr> <td>enumeration</td><td>Earlywood density</td></tr> <tr> <td>enumeration</td><td>Latewood density</td></tr> <tr> <td>enumeration</td><td>Maximum density</td></tr> <tr> <td>enumeration</td><td>Latewood percent</td></tr> </table>	enumeration	Ring width	enumeration	Earlywood width	enumeration	Latewood width	enumeration	Ring density	enumeration	Earlywood density	enumeration	Latewood density	enumeration	Maximum density	enumeration	Latewood percent
enumeration	Ring width																
enumeration	Earlywood width																
enumeration	Latewood width																
enumeration	Ring density																
enumeration	Earlywood density																
enumeration	Latewood density																
enumeration	Maximum density																
enumeration	Latewood percent																
Used by	Attribute variable/@normalTridas																

Source	<pre><xs:simpleType name="normalTridasVariable"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for the measurementSeries variable</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Ring width"/> <xs:enumeration value="Earlywood width"/> <xs:enumeration value="Latewood width"/> <xs:enumeration value="Ring density"/> <xs:enumeration value="Earlywood density"/> <xs:enumeration value="Latewood density"/> <xs:enumeration value="Maximum density"/> <xs:enumeration value="Latewood percent"/> </xs:restriction> </xs:simpleType></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Simple Type normalTridasUnit

Namespace	http://www.tridas.org/1.2.1												
Annotations	TRiDaS specified controlled vocabulary for the units in which data are stored												
Diagram	<pre>graph LR; normalTridasUnit[normalTridasUnit] --> xsString[xs:string]</pre>												
Type	restriction of xs:string												
Facets	<table> <tr> <td>enumeration</td> <td>micrometres</td> </tr> <tr> <td>enumeration</td> <td>1/100th millimetres</td> </tr> <tr> <td>enumeration</td> <td>1/10th millimetres</td> </tr> <tr> <td>enumeration</td> <td>millimetres</td> </tr> <tr> <td>enumeration</td> <td>centimetres</td> </tr> <tr> <td>enumeration</td> <td>metres</td> </tr> </table>	enumeration	micrometres	enumeration	1/100th millimetres	enumeration	1/10th millimetres	enumeration	millimetres	enumeration	centimetres	enumeration	metres
enumeration	micrometres												
enumeration	1/100th millimetres												
enumeration	1/10th millimetres												
enumeration	millimetres												
enumeration	centimetres												
enumeration	metres												
Used by	Attribute unit/@normalTridas												
Source	<pre><xs:simpleType name="normalTridasUnit"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for the units in which data are stored</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="micrometres"/> <xs:enumeration value="1/100th millimetres"/> <xs:enumeration value="1/10th millimetres"/> <xs:enumeration value="millimetres"/> <xs:enumeration value="centimetres"/> <xs:enumeration value="metres"/> </xs:restriction> </xs:simpleType></pre>												
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd												

Simple Type normalTridasRemark

Namespace	http://www.tridas.org/1.2.1																
Annotations	TRiDaS specified controlled vocabulary for remarks attached to rings																
Diagram	<pre>graph LR; normalTridasRemark[normalTridasRemark] --> xsString[xs:string]</pre>																
Type	restriction of xs:string																
Facets	<table> <tr> <td>enumeration</td> <td>Fire damage</td> </tr> <tr> <td>enumeration</td> <td>Frost damage</td> </tr> <tr> <td>enumeration</td> <td>Crack</td> </tr> <tr> <td>enumeration</td> <td>False ring(s)</td> </tr> <tr> <td>enumeration</td> <td>Compression wood</td> </tr> <tr> <td>enumeration</td> <td>Tension wood</td> </tr> <tr> <td>enumeration</td> <td>Traumatic ducts</td> </tr> <tr> <td>enumeration</td> <td>Unspecified injury</td> </tr> </table>	enumeration	Fire damage	enumeration	Frost damage	enumeration	Crack	enumeration	False ring(s)	enumeration	Compression wood	enumeration	Tension wood	enumeration	Traumatic ducts	enumeration	Unspecified injury
enumeration	Fire damage																
enumeration	Frost damage																
enumeration	Crack																
enumeration	False ring(s)																
enumeration	Compression wood																
enumeration	Tension wood																
enumeration	Traumatic ducts																
enumeration	Unspecified injury																

Used by	Attribute	remark/@normalTridas
Source		<pre><xs:simpleType name="normalTridasRemark"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS specified controlled vocabulary for remarks attached to rings</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Fire damage"/> <xs:enumeration value="Frost damage"/> <xs:enumeration value="Crack"/> <xs:enumeration value="False ring(s)"/> <xs:enumeration value="Compression wood"/> <xs:enumeration value="Tension wood"/> <xs:enumeration value="Traumatic ducts"/> <xs:enumeration value="Unspecified injury"/> </xs:restriction> </xs:simpleType></pre>
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Simple Type normalTridasCategory

Namespace	http://www.tridas.org/1.2.1
Annotations	Enumeration of TRiDaS recognised project categories
Diagram	
Type	restriction of xs:string
Facets	enumeration
Used by	Attribute category/@normalTridas
Source	<pre><xs:simpleType name="normalTridasCategory"> <xs:annotation> <xs:documentation xml:lang="EN">Enumeration of TRiDaS recognised project categories</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="AD"/> <xs:enumeration value="BC"/> <xs:enumeration value="BP"/> </xs:restriction> </xs:simpleType></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Simple Type datingSuffix

Namespace	http://www.tridas.org/1.2.1						
Annotations	Suffix to add to a year number						
Diagram							
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td> <td>AD</td> </tr> <tr> <td>enumeration</td> <td>BC</td> </tr> <tr> <td>enumeration</td> <td>BP</td> </tr> </table>	enumeration	AD	enumeration	BC	enumeration	BP
enumeration	AD						
enumeration	BC						
enumeration	BP						
Used by	Attribute year/@suffix						
Source	<pre><xs:simpleType name="datingSuffix"> <xs:annotation> <xs:documentation xml:lang="EN">Suffix to add to a year number</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="AD"/> <xs:enumeration value="BC"/> <xs:enumeration value="BP"/> </xs:restriction> </xs:simpleType></pre>						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd						

Simple Type presenceAbsence

Namespace	http://www.tridas.org/1.2.1
Annotations	Simple presence/absence data type

Diagram					
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td> <td>present</td> </tr> <tr> <td>enumeration</td> <td>absent</td> </tr> </table>	enumeration	present	enumeration	absent
enumeration	present				
enumeration	absent				
Used by	Attributes bark/@presence, lastRingUnderBark/@presence				
Source	<pre><xs:simpleType name="presenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Simple presence/absence data type</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="present"/> <xs:enumeration value="absent"/> </xs:restriction> </xs:simpleType></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd				

Simple Type complexPresenceAbsence

Namespace	http://www.tridas.org/1.2.1										
Annotations	Complex presence/absence data type with additional possibilities										
Diagram											
Type	restriction of xs:string										
Facets	<table> <tr> <td>enumeration</td> <td>unknown</td> </tr> <tr> <td>enumeration</td> <td>not applicable</td> </tr> <tr> <td>enumeration</td> <td>absent</td> </tr> <tr> <td>enumeration</td> <td>complete</td> </tr> <tr> <td>enumeration</td> <td>incomplete</td> </tr> </table>	enumeration	unknown	enumeration	not applicable	enumeration	absent	enumeration	complete	enumeration	incomplete
enumeration	unknown										
enumeration	not applicable										
enumeration	absent										
enumeration	complete										
enumeration	incomplete										
Used by	Attributes heartwood/@presence, pith/@presence, sapwood/@presence										
Source	<pre><xs:simpleType name="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Complex presence/absence data type with additional possibilities</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="unknown"/> <xs:enumeration value="not applicable"/> <xs:enumeration value="absent"/> <xs:enumeration value="complete"/> <xs:enumeration value="incomplete"/> </xs:restriction> </xs:simpleType></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Simple Type certainty

Namespace	http://www.tridas.org/1.2.1										
Annotations	Simple certainty data type										
Diagram											
Type	restriction of xs:string										
Facets	<table> <tr> <td>enumeration</td> <td>unknown</td> </tr> <tr> <td>enumeration</td> <td>exact</td> </tr> <tr> <td>enumeration</td> <td>approximately</td> </tr> <tr> <td>enumeration</td> <td>after</td> </tr> <tr> <td>enumeration</td> <td>before</td> </tr> </table>	enumeration	unknown	enumeration	exact	enumeration	approximately	enumeration	after	enumeration	before
enumeration	unknown										
enumeration	exact										
enumeration	approximately										
enumeration	after										
enumeration	before										
Used by	Attributes date/@certainty, dateTIme/@certainty, year/@certainty										
Source	<pre><xs:simpleType name="certainty"> <xs:annotation> <xs:documentation xml:lang="EN">Simple certainty data type</xs:documentation></pre>										

	<pre></xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="unknown"/> <xs:enumeration value="exact"/> <xs:enumeration value="approximately"/> <xs:enumeration value="after"/> <xs:enumeration value="before"/> </xs:restriction> </xs:simpleType></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Types

Complex Type controlledVoc

Namespace	http://www.tridas.org/1.2.1																																																	
Annotations	A controlled vocabulary is used to limit users to a pick list of values																																																	
Diagram	<pre> classDiagram class controlledVoc { <<Base Type xs:string>> @normalStd @normalId @normal @lang "Type xs:language" } controlledVoc < -- xs:string </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>lang</td> <td>xs:language</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The language this term is in. Default is EN if not specified.</td></tr> <tr> <td>normal</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The normalised name for this entry</td></tr> <tr> <td>normalId</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The ID value in the standard dictionary corresponding to this entry</td></tr> <tr> <td>normalStd</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">The name of the standard used to control this vocabulary</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	lang	xs:language			optional		The language this term is in. Default is EN if not specified.				normal				optional		The normalised name for this entry				normalId				optional		The ID value in the standard dictionary corresponding to this entry				normalStd				optional		The name of the standard used to control this vocabulary			
QName	Type	Fixed	Default	Use																																														
lang	xs:language			optional																																														
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normal				optional																																														
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	The ID value in the standard dictionary corresponding to this entry																																																	
normalStd				optional																																														
	The name of the standard used to control this vocabulary																																																	
Source	<pre> <xs:complexType name="controlledVoc"> <xs:annotation> <xs:documentation xml:lang="EN">A controlled vocabulary is used to limit users to a pick list of values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="normalStd"> <xs:annotation> <xs:documentation xml:lang="EN">The name of the standard used to control this vocabulary</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="normalId"> <xs:annotation> <xs:documentation xml:lang="EN">The ID value in the standard dictionary corresponding to this entry</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="normal"> <xs:annotation> <xs:documentation xml:lang="EN">The normalised name for this entry</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="lang" type="xs:language"> <xs:annotation> <xs:documentation xml:lang="EN">The language this term is in. Default is EN if not specified.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>																																																	

	<pre> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Type dateTime

Namespace	http://www.tridas.org/1.2.1														
Annotations	An extension to the basic dateTime type which includes an optional 'certainty' attribute.														
Diagram	<pre> classDiagram class xs.dateTime { <<@ certainty<> } class xs.dateTime { <<@ attributes<> } xs.dateTime < -- xs.dateTime </pre>														
Type	extension of xs:dateTime														
Used by	Elements createdTimestamp, lastModifiedTimestamp														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use											
certainty	certainty			optional											
Source	<pre> <xs:complexType name="dateTime"> <xs:annotation> <xs:documentation xml:lang="EN">An extension to the basic dateTime type which includes an optional 'certainty' attribute.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:dateTime"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

Complex Type date

Namespace	http://www.tridas.org/1.2.1														
Annotations	An extension to the basic date type which includes an optional 'certainty' attribute.														
Diagram	<pre> classDiagram class xs.date { <<@ certainty<> } class xs.date { <<@ attributes<> } xs.date < -- xs.date </pre>														
Type	extension of xs:date														
Used by	Elements derivationDate, measuringDate, requestDate, samplingDate														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>certainty</td> <td>certainty</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	certainty	certainty			optional
QName	Type	Fixed	Default	Use											
certainty	certainty			optional											
Source	<pre> <xs:complexType name="date"> <xs:annotation> <xs:documentation xml:lang="EN">An extension to the basic date type which includes an optional 'certainty' attribute.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute name="certainty" type="certainty" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd														

Complex Type year

Namespace	http://www.tridas.org/1.2.1
-----------	-----------------------------

Annotations	Data type for storing year. Includes a separate suffix attribute and optional certainty value															
Diagram	<pre> classDiagram class year { <<year Base Type xs:positiveInteger>> } class attributes { <<@ attributes @certainty certainty @suffix suffix Type certainty Type datingSuffix>> } year "1" -- "1" attributes </pre>															
Type	extension of xs:positiveInteger															
Used by	Elements deathYear, firstYear, lastYear, pithYear															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>certainty</td><td>certainty</td><td></td><td></td><td>optional</td></tr> <tr> <td>suffix</td><td>datingSuffix</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	certainty	certainty			optional	suffix	datingSuffix			required
QName	Type	Fixed	Default	Use												
certainty	certainty			optional												
suffix	datingSuffix			required												
Source	<pre> <xs:complexType name="year"> <xs:annotation> <xs:documentation xml:lang="EN">Data type for storing year. Includes a separate suffix attribute and optional certainty value</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:positiveInteger"> <xs:attribute name="certainty" type="certainty" use="optional"/> <xs:attribute name="suffix" use="required" type="datingSuffix"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd															

Complex Type tridasEntity

Namespace	http://www.tridas.org/1.2.1
Annotations	Base data type inherited by all TRiDaS entities. Contains the fields common to all TRiDaS data entities.
Diagram	<pre> classDiagram class tridasEntity { <<tridasEntity Abstract true >> } class title { <<title Type xs:string >> } class identifier { <<identifier Type extension of 'xs:string' >> } class createdTimestamp { <<createdTimestamp Type dateTime >> } class lastModifiedTimestamp { <<lastModifiedTimestamp Type dateTime >> } class comments { <<comments Type xs:string >> } tridasEntity "1" -- "1" title tridasEntity "1" -- "1" identifier tridasEntity "1" -- "1" createdTimestamp tridasEntity "1" -- "1" lastModifiedTimestamp tridasEntity "1" -- "1" comments </pre>
Properties	abstract: true
Used by	Elements element, object, project, radius, sample Complex Type baseSeries
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1}
Children	comments, createdTimestamp, identifier, lastModifiedTimestamp, title
Source	<pre> <xs:complexType name="tridasEntity" abstract="true"> <xs:annotation> <xs:documentation xml:lang="EN">Base data type inherited by all TRiDaS entities. Contains the fields common to all TRiDaS data entities.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="title"/> <xs:element ref="identifier" minOccurs="0"/> <xs:element ref="createdTimestamp" minOccurs="0"/> <xs:element ref="lastModifiedTimestamp" minOccurs="0"/> <xs:element ref="comments" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </pre>

	</xs:complexType>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Type seriesLink

Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> classDiagram class seriesLink { idRef xLink identifier } identifier < -- xs:string </pre>
Used by	Elements datingReference/linkSeries, seriesLinks/series, seriesLinksWithPreferred/preferredSeries
Model	idRef xLink identifier
Children	idRef, identifier, xLink
Source	<pre> <xs:complexType name="seriesLink"> <xs:choice> <xs:element name="idRef"> <xs:complexType> <xs:attribute name="ref" type="xs:IDREF" /> </xs:complexType> </xs:element> <xs:element name="xLink"> <xs:complexType> <xs:attribute ref="xlink:href" /> </xs:complexType> </xs:element> <xs:element ref="identifier"/> </xs:choice> </xs:complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Type seriesLinks

Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> sequenceDiagram series </pre>
Used by	Elements baseSeries/linkSeries, derivedSeries/linkSeries
Model	series*
Children	series
Source	<pre> <xs:complexType name="seriesLinks"> <xs:sequence> <xs:element name="series" type="seriesLink" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Type seriesLinksWithPreferred

Namespace	http://www.tridas.org/1.2.1
Diagram	<pre> sequenceDiagram preferredSeries </pre>
Used by	Elements element/linkSeries, object/linkSeries
Model	preferredSeries{0,1}
Children	preferredSeries
Source	<pre> <xs:complexType name="seriesLinksWithPreferred"> <xs:sequence> <xs:element name="preferredSeries" type="seriesLink" minOccurs="0" maxOccurs="1" /> </xs:sequence> </xs:complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Complex Type baseSeries

Namespace	http://www.tridas.org/1.2.1
Annotations	A base type inherited by measurementSeries and derivedSeries.
Diagram	<pre> classDiagram class tridasEntity { title: xs:string identifier: extension of 'xs:string' createdTimestamp: dateTime lastModifiedTimestamp: dateTime comments: xs:string } class baseSeries { @id: xs:ID measuringDate: date derivationDate: date woodCompleteness analyst: xs:string dendrochronologist: xs:string measuringMethod: extension of 'controlledVoc' type: controlledVoc linkSeries: seriesLinks objective: xs:string standardizingMethod: xs:string author: xs:string version: xs:string interpretationType { interpretation interpretationUnsolved } location genericField: extension of 'xs:string' values } tridasEntity < -- baseSeries </pre> <p>The diagram illustrates the inheritance of the <code>baseSeries</code> complex type from the <code>tridasEntity</code> abstract base type. The <code>baseSeries</code> type extends <code>tridasEntity</code> and adds the following attributes:</p> <ul style="list-style-type: none"> <code>@id</code> (Type: <code>xs:ID</code>) <code>measuringDate</code> (Type: <code>date</code>) <code>derivationDate</code> (Type: <code>date</code>) <code>woodCompleteness</code> <code>analyst</code> (Type: <code>xs:string</code>) <code>dendrochronologist</code> (Type: <code>xs:string</code>) <code>measuringMethod</code> (Type: <code>extension of 'controlledVoc'</code>) <code>type</code> (Type: <code>controlledVoc</code>) <code>linkSeries</code> (Type: <code>seriesLinks</code>) <code>objective</code> (Type: <code>xs:string</code>) <code>standardizingMethod</code> (Type: <code>xs:string</code>) <code>author</code> (Type: <code>xs:string</code>) <code>version</code> (Type: <code>xs:string</code>) <code>interpretationType</code> (A complex type containing <code>interpretation</code> and <code>interpretationUnsolved</code>) <code>location</code> <code>genericField</code> (Type: <code>extension of 'xs:string'</code>) <code>values</code>
Type	extension of <code>tridasEntity</code>

Type hierarchy	<ul style="list-style-type: none"> • tridasEntity • baseSeries 										
Properties	abstract: true										
Used by	Elements derivedSeries, measurementSeries										
Model	title , identifier{0,1} , createdTimestamp{0,1} , lastModifiedTimestamp{0,1} , comments{0,1} , measuringDate{0,1} , derivationDate{0,1} , woodCompleteness{0,1} , analyst{0,1} , dendrochronologist{0,1} , measuringMethod{0,1} , type{0,1} , linkSeries{0,1} , objective{0,1} , standardizingMethod{0,1} , author{0,1} , version{0,1} , (interpretation interpretationUnsolved) , location{0,1} , genericField* , values*										
Children	analyst, author, comments, createdTimestamp, dendrochronologist, derivationDate, genericField, identifier, interpretation, interpretationUnsolved, lastModifiedTimestamp, linkSeries, location, measuringDate, measuringMethod, objective, standardizingMethod, title, type, values, version, woodCompleteness										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:ID</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	id	xs:ID			optional
QName	Type	Fixed	Default	Use							
id	xs:ID			optional							
Source	<pre> <xs:complexType name="baseSeries" abstract="true"> <xs:annotation> <xs:documentation xml:lang="EN">A base type inherited by measurementSeries and derivedSeries.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tridasEntity"> <xs:sequence> <xs:element ref="measuringDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="derivationDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="woodCompleteness" minOccurs="0" maxOccurs="1"/> <xs:element ref="analyst" minOccurs="0"/> <xs:element ref="dendrochronologist" minOccurs="0"/> <xs:element ref="measuringMethod" minOccurs="0" maxOccurs="1"/> <xs:element ref="type" minOccurs="0" maxOccurs="1"/> <xs:element name="linkSeries" type="seriesLinks" minOccurs="0" maxOccurs="1"/> <xs:element ref="objective" minOccurs="0"/> <xs:element ref="standardizingMethod" minOccurs="0"/> <xs:element ref="author" minOccurs="0"/> <xs:element ref="version" minOccurs="0"/> <xs:group ref="interpretationType" minOccurs="0"/> <xs:element ref="location" minOccurs="0"/> <xs:element ref="genericField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="values" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:extension> </xs:complexContent> </xs:complexType></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Element Groups

Element Group interpretationType

Namespace	http://www.tridas.org/1.2.1
Annotations	Contains either the 'interpretation' of the series or an 'interpretationUnsolved' placeholder
Diagram	<pre> classDiagram class interpretationType { <<interpretation>> <<interpretationUnsolved>> } interpretationType < -- interpretation interpretationType < -- interpretationUnsolved </pre>
Used by	Complex Type baseSeries Elements derivedSeries, measurementSeries
Model	interpretation interpretationUnsolved
Children	interpretation, interpretationUnsolved
Source	<pre> <xs:group name="interpretationType"> <xs:annotation> <xs:documentation xml:lang="EN">Contains either the 'interpretation' of the series or an 'interpretationUnsolved' placeholder</xs:documentation> </xs:annotation> <xs:choice> <xs:element ref="interpretation"/> <xs:element ref="interpretationUnsolved"/> </xs:choice> </xs:group></pre>

	<pre></xs:choice> </xs:group></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

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

Schemas

Imported schema xlinks.xsd

Namespace	http://www.w3.org/1999/xlink
Annotations	GML 3.0 candidate xlink schema. Copyright (c) 2001 OGC, All Rights Reserved.
Properties	attribute form default: unqualified element form default: unqualified version: 2.0
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd

Attributes

Attribute @xlink:href

Namespace	http://www.w3.org/1999/xlink
Type	anyURI
Properties	content: simple
Used by	Elements file, seriesLink/xLink Attribute Groups xlink:locatorLink, xlink:simpleLink
Source	<code><attribute name="href" type="anyURI" /></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<code><attribute name="role" type="anyURI" /></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<code><attribute name="arcrole" type="anyURI" /></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre><attribute name="title" type="string"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd

Attribute @xlink:show

Namespace	http://www.w3.org/1999/xlink											
Annotations	<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows:</p> <ul style="list-style-type: none"> 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	<table border="1"> <tr><td>enumeration</td><td>new</td></tr> <tr><td>enumeration</td><td>replace</td></tr> <tr><td>enumeration</td><td>embed</td></tr> <tr><td>enumeration</td><td>other</td></tr> <tr><td>enumeration</td><td>none</td></tr> </table>		enumeration	new	enumeration	replace	enumeration	embed	enumeration	other	enumeration	none
enumeration	new											
enumeration	replace											
enumeration	embed											
enumeration	other											
enumeration	none											
Used by	Attribute Groups xlink:arcLink, xlink:simpleLink											
Source	<pre><attribute name="show"> <annotation> <documentation>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="new"/> <enumeration value="replace"/> <enumeration value="embed"/> <enumeration value="other"/> <enumeration value="none"/> </restriction> </simpleType> </attribute></pre>											
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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; it's 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	<table border="1"> <tr><td>enumeration</td><td>onLoad</td></tr> <tr><td>enumeration</td><td>onRequest</td></tr> </table>		enumeration	onLoad	enumeration	onRequest
enumeration	onLoad					
enumeration	onRequest					

	enumeration	other
	enumeration	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; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd	

Attribute @xlink:to

Namespace	http://www.w3.org/1999/xlink	
Type	string	
Properties	content: simple	
Used by	Attribute Group	xlink:arcLink
Source	<pre><attribute name="to" type="string"/></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre><attribute name="type" type="string" fixed="simple" form="qualified"/></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<code><attribute name="type" type="string" fixed="title" form="qualified"/></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<code><attribute name="type" type="string" fixed="none" form="qualified"/></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd

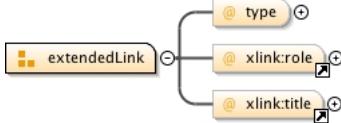
Attribute Groups

Attribute Group xlink:simpleLink

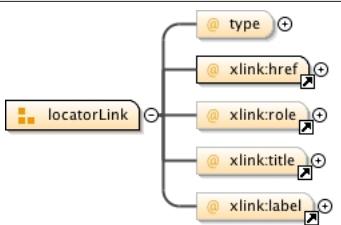
Namespace	http://www.w3.org/1999/xlink																																																						
Diagram																																																							
Used by	Attribute Group gml:AssociationAttributeGroup																																																						
Attributes	<table border="1"> <thead> <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:href</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td 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: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		<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: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: 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:type	string	simple		optional
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>																																																						
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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: 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:type	string	simple		optional																																																			
Source	<pre><attributeGroup name="simpleLink"> <attribute name="type" type="string" fixed="simple" form="qualified"/> <attribute ref="xlink:href" use="optional"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:arcrole" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:show" use="optional"/> <attribute ref="xlink:actuate" use="optional"/> </attributeGroup></pre>																																																						
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd																																																						

Attribute Group xlink:extendedLink

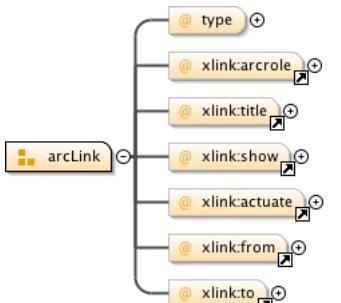
Namespace	http://www.w3.org/1999/xlink				
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Diagram																					
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:role</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>string</td><td>extended</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:role	anyURI			optional	xlink:title	string			optional	xlink:type	string	extended		optional
QName	Type	Fixed	Default	Use																	
xlink:role	anyURI			optional																	
xlink:title	string			optional																	
xlink:type	string	extended		optional																	
Source	<pre><attributeGroup name="extendedLink"> <attribute name="type" type="string" fixed="extended" form="qualified"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:title" use="optional"/> </attributeGroup></pre>																				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd																				

Attribute Group xlink:locatorLink

Namespace	http://www.w3.org/1999/xlink																														
Diagram																															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:href</td><td>anyURI</td><td></td><td></td><td>required</td></tr> <tr> <td>xlink:label</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>string</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>string</td><td>locator</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	xlink:href	anyURI			required	xlink:label	string			optional	xlink:role	anyURI			optional	xlink:title	string			optional	xlink:type	string	locator		optional
QName	Type	Fixed	Default	Use																											
xlink:href	anyURI			required																											
xlink:label	string			optional																											
xlink:role	anyURI			optional																											
xlink:title	string			optional																											
xlink:type	string	locator		optional																											
Source	<pre><attributeGroup name="locatorLink"> <attribute name="type" type="string" fixed="locator" form="qualified"/> <attribute ref="xlink:href" use="required"/> <attribute ref="xlink:role" use="optional"/> <attribute ref="xlink:title" use="optional"/> <attribute ref="xlink:label" use="optional"/> </attributeGroup></pre>																														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd																														

Attribute Group xlink:arcLink

Namespace	http://www.w3.org/1999/xlink										
Diagram											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:actuate</td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> </tbody> </table> <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>	QName	Type	Fixed	Default	Use	xlink:actuate	restriction of string			optional
QName	Type	Fixed	Default	Use							
xlink:actuate	restriction of string			optional							

	QName	Type	Fixed	Default	Use
		onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained			
	xlink:arcrole	anyURI			optional
	xlink:from	string			optional
	xlink:show	restriction of string			optional
		The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained			
	xlink:title	string			optional
	xlink:to	string			optional
	xlink:type	string	arc		optional
Source	<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>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd				

Attribute Group **xlink:resourceLink**

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class resourceLink { @type xlink:role xlink:title xlink:label } </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	<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>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd				

Attribute Group **xlink:titleLink**

Namespace	http://www.w3.org/1999/xlink				
Diagram	<pre> classDiagram class titleLink { @type } </pre>				

Attributes	QName	Type	Fixed	Default	Use
	xlink:type	string	title		optional
Source	<attributeGroup name="titleLink"> <attribute name="type" type="string" fixed="title" form="qualified"/> </attributeGroup>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/xlinks.xsd				

Attribute Group xlink:emptyLink

Namespace	http://www.w3.org/1999/xlink				
Diagram					
Attributes	QName	Type	Fixed	Default	Use
	xlink:type	string	none		optional
Source	<attributeGroup name="emptyLink"> <attribute name="type" type="string" fixed="none" form="qualified"/> </attributeGroup>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Elements

Element gml:Point

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

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

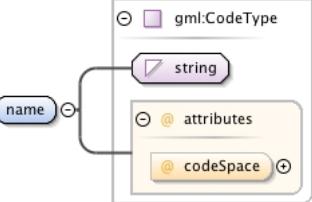
Schema location

file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 for the codeSpace.										
Diagram											
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><code>codeSpace</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>codeSpace</code>	anyURI			optional
QName	Type	Fixed	Default	Use							
<code>codeSpace</code>	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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd										

Element `gml:pos`

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
Used by	Complex Type gml:PointType
Source	<element name="pos" type="gml:DirectPositionType"/>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element gml:Polygon

Namespace	http://www.opengis.net/gml										
Diagram	<p>The diagram illustrates the inheritance path of the <code>gml:PolygonType</code> class. It starts with <code>gml:AbstractSurfaceType</code> as the extension base, which itself inherits from <code>gml:AbstractGeometricPrimitiveType</code>, <code>gml:AbstractGeometryType</code>, and <code>gml:AbstractGMLType</code>. The <code>gml:AbstractGMLType</code> class contains an attribute <code>@ attributes</code> with <code>@ gml:id</code>. The <code>gml:AbstractSurfaceType</code> class also contains <code>gml:StandardObjectProperties</code> with attributes <code>gml:description</code> and <code>gml:name</code>. The <code>gml:AbstractSurfaceType</code> class has a substitution group. The <code>gml:AbstractSurfaceType</code> class is extended by <code>Polygon</code>, which has attributes <code>@ attributes</code> with <code>@ srsName</code>, and associations with <code>gml:exterior</code> and <code>gml:interior</code>.</p>										
Type	<code>gml:PolygonType</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> 										
Properties	content: complex										
Used by	Element locationGeometry										
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>										
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"> <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> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional
QName	Type	Fixed	Default	Use							
<code>gml:id</code>	ID			optional							

	QName	Type	Fixed	Default	Use
		Data type description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			
	srsName	anyURI			optional
		Data type description: In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source	<element name="Polygon" type="gml:PolygonType" substitutionGroup="gml:_Surface"/>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd				

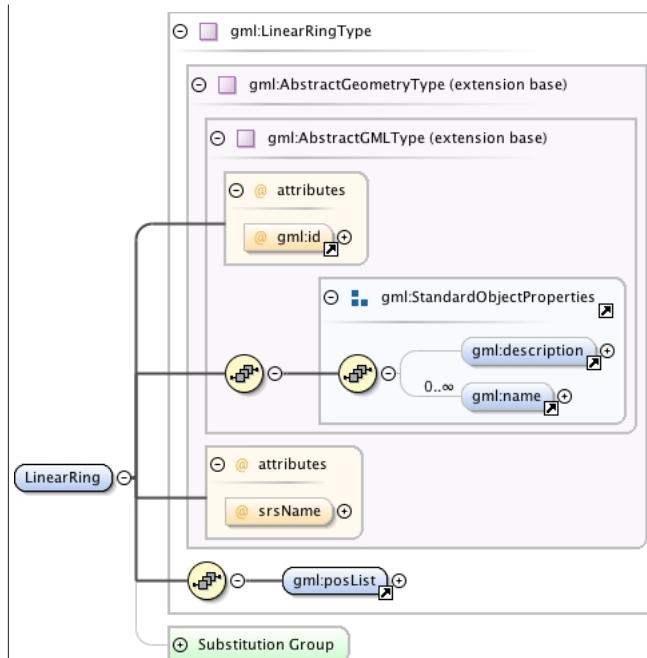
Element gml:exterior

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 gml:AbstractRingPropertyType class gml:LinearRing gml:AbstractRingPropertyType "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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre> <gml:LinearRing gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:LinearRing> </pre>																									
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gml:id	ID			optional																						
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srsName	anyURI			optional																						
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Source	<element name="LinearRing" type="gml:LinearRingType" substitutionGroup="gml:_Geometry"/>																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																									

Element gml:posList

Namespace	http://www.opengis.net/gml
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Diagram	
Type	gml:DirectPositionListType
Type hierarchy	<ul style="list-style-type: none"> • anySimpleType • gml:doubleList • gml:DirectPositionListType
Properties	content: complex
Used by	Complex Types gml:LineStringSegmentType, gml:LineStringType, gml:LinearRingType
Source	<code><element name="posList" type="gml:DirectPositionListType"/></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

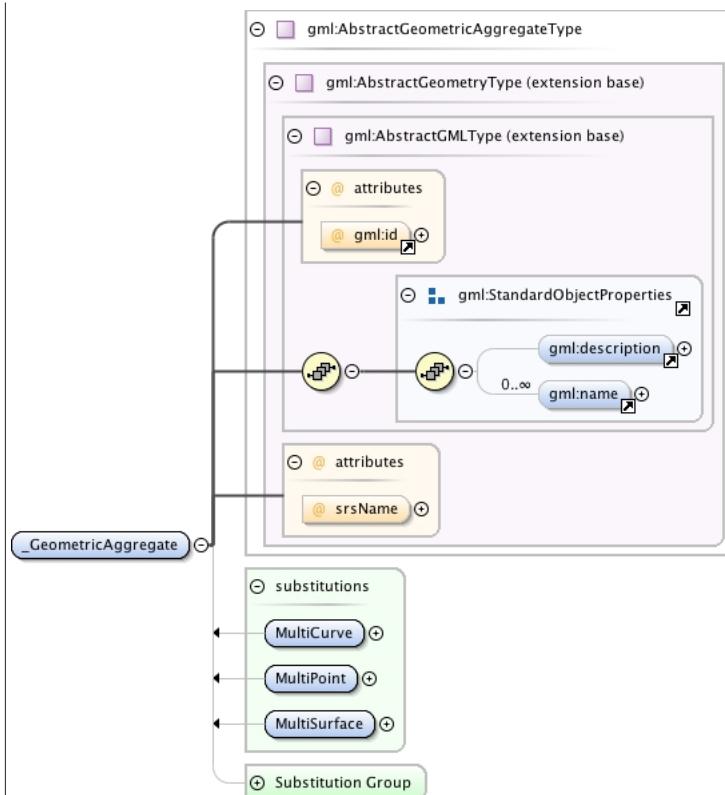
Element **gml:interior**

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	
Type	gml:AbstractRingPropertyType
Properties	content: complex
Used by	Complex Types gml:PolygonPatchType, gml:PolygonType
Model	gml:LinearRing
Children	gml:LinearRing
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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



Type	gm:AbstractGeometricAggregateType															
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:AbstractGeometricAggregateType 															
Properties	<p>content: complex</p> <p>abstract: true</p>															
Used by	Complex Type gm:MultiGeometryPropertyType															
Model	gm:description{0,1} , gm:name*															
Children	gm:description, gm:name															
Instance	<pre><gm:_GeometricAggregate gml:id="" srsName=""> <gm:description>{0,1}</gm:description> <gm:name codeSpace="">{0,unbounded}</gm:name> </gm:_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> <p>gml:id Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p> <p>srsName 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 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><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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:MultiPoint`

Namespace	http://www.opengis.net/gml																									
Diagram	<p>The diagram illustrates the inheritance path of the <code>gml:MultiPoint</code> type. It starts with <code>gml:MultiPoint</code>, which is a specialization of <code>gml:AbstractGeometricAggregateType</code>. This base type is part of the <code>gml:_Geometry</code> substitution group. <code>gml:AbstractGeometricAggregateType</code> itself is an extension of <code>gml:AbstractGeometryType</code>, which is an extension of <code>gml:AbstractGMLType</code>. <code>gml:AbstractGMLType</code> has attributes <code>gml:id</code> and <code>srsName</code>. The <code>gml:AbstractGeometryType</code> base type also contains a <code>gml:StandardObjectProperties</code> block, which includes attributes <code>gml:description</code> and <code>gml:name</code>, both with multiplicity <code>0..∞</code>. Additionally, there is a <code>gml:pointMember</code> association with multiplicity <code>0..∞</code>.</p>																									
Type	<code>gml:MultiPointType</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:AbstractGeometricAggregateType</code> <ul style="list-style-type: none"> • <code>gml:MultiPointType</code> 																									
Properties	content: complex																									
Used by	Complex Type <code>gml:MultiPointPropertyType</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>																									
Instance	<pre><gml:MultiPoint gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiPoint></pre>																									
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QName	Type	Fixed	Default	Use																						
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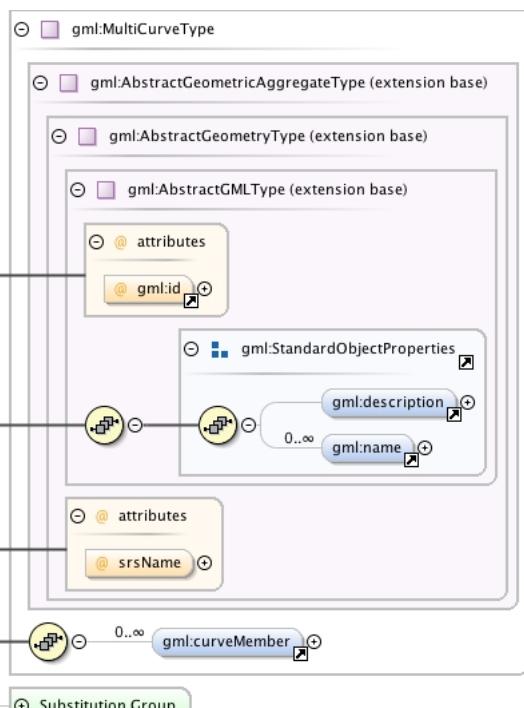
	QName	Type	Fixed	Default	Use
		gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source		<element name="MultiPoint" type="gml:MultiPointType" substitutionGroup="gml:_GeometricAggregate"/>			
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd			

Element gml:pointMember

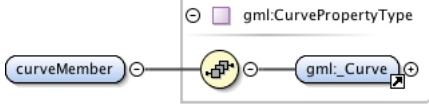
Namespace	http://www.opengis.net/gml
Annotations	This property element contains the Point element.
Diagram	<pre> classDiagram class gml { class PointPropertyType { <<gml:PointPropertyType>> } class MultiPointType { <<gml:MultiPointType>> } } class pointMember { <<gml:pointMember>> } class Point { <<gml:Point>> } PointPropertyType "1..*" -- "0..*" pointMember pointMember "*" -- "1..*" Point </pre>
Type	gml:PointPropertyType
Properties	content: complex
Used by	Complex Type gml:MultiPointType
Model	gml:Point
Children	gml:Point
Instance	<gml:pointMember> <gml:Point gml:id="" srsName="">{1,1}</gml:Point> </gml:pointMember>
Source	<element name="pointMember" type="gml:PointPropertyType"> <annotation> <documentation>This property element contains the Point element.</documentation> </annotation> </element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element gml:MultiCurve

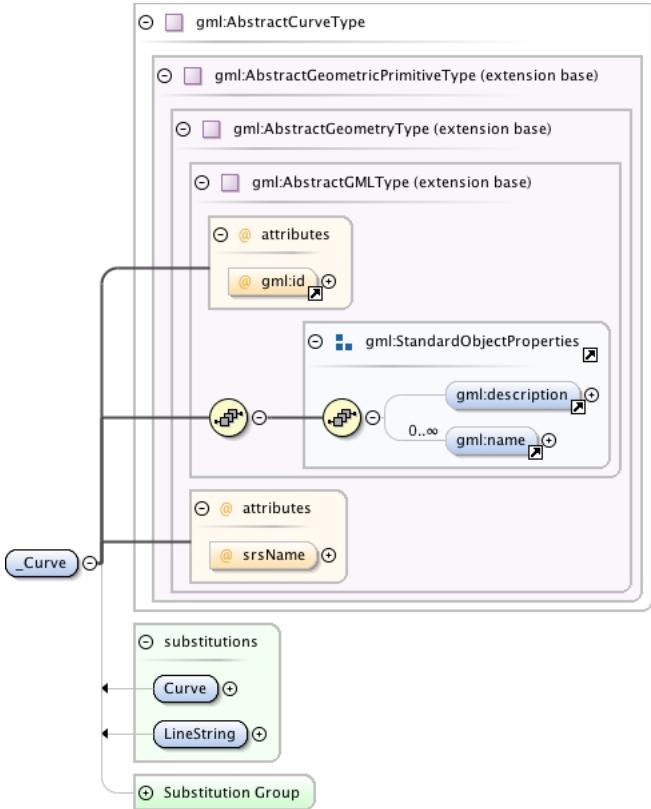
Namespace	http://www.opengis.net/gml
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Diagram																										
Type	gml:MultiCurveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType • gml:MultiCurveType 																									
Properties	content: complex																									
Used by	Complex Type gml:MultiCurvePropertyType																									
Model	gml:description{0,1} , gml:name* , gml:curveMember*																									
Children	gml:curveMember, gml:description, gml:name																									
Instance	<pre><gml:MultiCurve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiCurve></pre>																									
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Source	<pre><element name="MultiCurve" type="gml:MultiCurveType" substitutionGroup="gml:_GeometricAggregate"/></pre>																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	
Type	<code>gml:CurvePropertyType</code>
Properties	content: complex
Used by	Complex Type <code>gml:MultiCurveType</code>
Model	<code>gml:_Curve</code>
Children	<code>gml:_Curve</code>
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

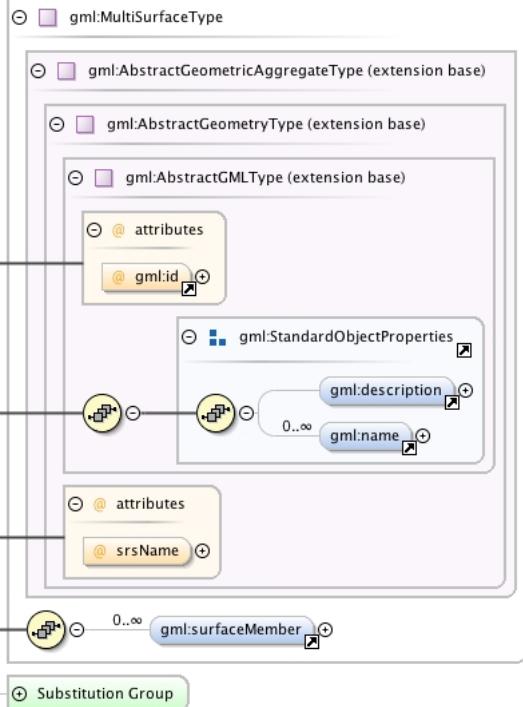
Element `gml:_Curve`

Namespace	http://www.opengis.net/gml
Annotations	The "_Curve" element is the abstract head of the substitution group for all (continuous) curve elements.
Diagram	
Type	<code>gml:AbstractCurveType</code>
Type hierarchy	• <code>gml:AbstractGMLType</code>

	<ul style="list-style-type: none"> • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractCurveType 																									
Properties	content: complex abstract: true																									
Used by	Complex Type gml:CurvePropertyType																									
Model	gml:description{0,1} , gml:name*																									
Children	gml:description, gml:name																									
Instance	<pre><gml:_Curve gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Curve></pre>																									
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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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																									

Element gml:MultiSurface

Namespace	http://www.opengis.net/gml
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Diagram																										
Type	gml:MultiSurfaceType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricAggregateType • gml:MultiSurfaceType 																									
Properties	content: complex																									
Used by	Complex Type gml:MultiSurfacePropertyType																									
Model	gml:description{0,1}, gml:name*, gml:surfaceMember*																									
Children	gml:description, gml:name, gml:surfaceMember																									
Instance	<pre><gml:MultiSurface gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:MultiSurface></pre>																									
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srsName	anyURI			optional																						
	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.																									
Source	<pre><element name="MultiSurface" type="gml:MultiSurfaceType" substitutionGroup="gml:_GeometricAggregate"/></pre>																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	
Type	<code>gml:SurfacePropertyType</code>
Properties	content: complex
Used by	Complex Type <code>gml:MultiSurfaceType</code>
Model	<code>gml:_Surface</code>
Children	<code>gml:_Surface</code>
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre>graph TD AS[gml:AbstractSurfaceType] --> AGP[gml:AbstractGeometricPrimitiveType] AGP --> AGM[gml:AbstractGeometryType] AGM --> AGML[gml:AbstractGMLType] AGML --> attributes1[attributes] attributes1 --> id1[gml:id] AGML --> attributes2[attributes] attributes2 --> srsName1[srsName] AGML --> substitutions1[substitutions] substitutions1 --> Polygon1[Polygon] substitutions1 --> Surface1[Surface] AGML --> SG[Substitution Group]</pre>
Type	<code>gml:AbstractSurfaceType</code>
Type hierarchy	• <code>gml:AbstractGMLType</code>

	<ul style="list-style-type: none"> • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType • gml:AbstractSurfaceType 																									
Properties	content: complex abstract: true																									
Used by	Complex Type gml:SurfacePropertyType																									
Model	gml:description{0,1} , gml:name*																									
Children	gml:description, gml:name																									
Instance	<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></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="_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></pre>																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																									

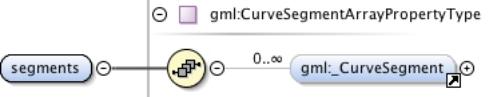
Element gml:Curve

Namespace	http://www.opengis.net/gml
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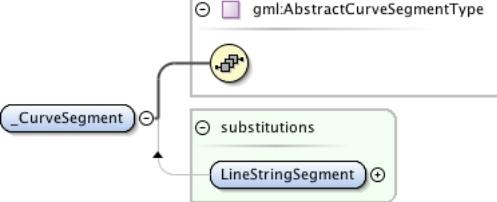
Diagram																										
Type	gml:CurveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:AbstractGeometricPrimitiveType <ul style="list-style-type: none"> • gml:AbstractCurveType <ul style="list-style-type: none"> • gml: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	<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 position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				srsName	anyURI			optional		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
QName	Type	Fixed	Default	Use																						
gml:id	ID			optional																						
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srsName	anyURI			optional																						
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Source	<pre><element name="Curve" type="gml:CurveType" substitutionGroup="gml:_Curve"/></pre>																									

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd
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Element `gml:segments`

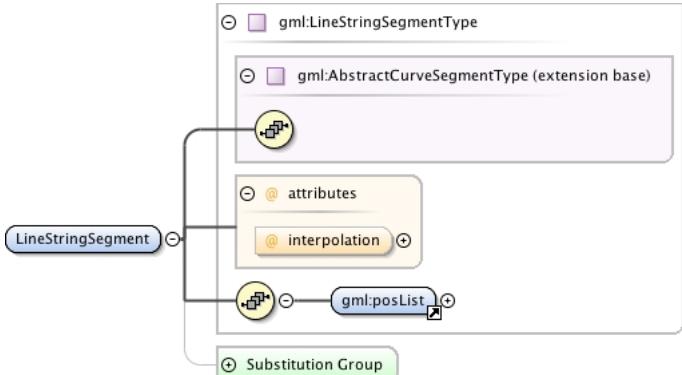
Namespace	http://www.opengis.net/gml
Annotations	This property element contains a list of curve segments. The order of the elements is significant and shall be preserved when processing the array.
Diagram	
Type	<code>gml:CurveSegmentArrayPropertyType</code>
Properties	content: complex
Used by	Complex Type <code>gml:CurveType</code>
Model	<code>gml:_CurveSegment*</code>
Children	<code>gml:_CurveSegment</code>
Instance	<code><gml:segments> <gml:_CurveSegment>{0,unbounded}</gml:_CurveSegment> </gml:segments></code>
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:_CurveSegment`

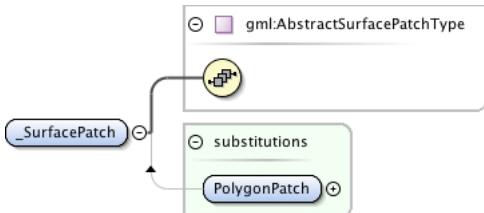
Namespace	http://www.opengis.net/gml
Annotations	The <code>_CurveSegment</code> element is the abstract head of the substitution group for all curve segment elements, i.e. continuous segments of the same interpolation mechanism.
Diagram	
Type	<code>gml:AbstractCurveSegmentType</code>
Properties	content: complex abstract: true
Used by	Complex Type <code>gml:CurveSegmentArrayPropertyType</code>
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:LineStringSegment`

Namespace	http://www.opengis.net/gml
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Diagram																
Type	gml:LineStringSegmentType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractCurveSegmentType <ul style="list-style-type: none"> • 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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd															

Element gml:_SurfacePatch

Namespace	http://www.opengis.net/gml
Annotations	The "_SurfacePatch" element is the abstract head of the substitution group for all surface patch elements describing a continuous portion of a surface.
Diagram	
Type	gml:AbstractSurfacePatchType
Properties	<p>content: complex</p> <p>abstract: true</p>
Used by	Complex Type gml:SurfacePatchArrayPropertyType
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>

	</element>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	A UML class diagram fragment. At the top is a box labeled "gml:SurfacePatchArrayPropertyType". Below it is a box labeled "gml:_SurfacePatch". A line connects "gml:patches" to "gml:_SurfacePatch", with a multiplicity "0..∞" on the line. There are also lines connecting "gml:patches" to "gml:SurfacePatchArrayPropertyType" and "gml:_SurfacePatch" to "gml:SurfacePatchArrayPropertyType".
Type	gml:SurfacePatchArrayPropertyType
Properties	content: complex
Used by	Complex Type gml:SurfaceType
Model	gml:_SurfacePatch*
Children	gml:_SurfacePatch
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:PolygonPatch`

Namespace	http://www.opengis.net/gml										
Diagram	A UML class diagram fragment. At the top is a box labeled "gml:PolygonPatchType". Below it is a box labeled "gml:AbstractSurfacePatchType (extension base)". A line connects "gml:PolygonPatch" to "gml:AbstractSurfacePatchType". Inside the "gml:AbstractSurfacePatchType" box, there is a section for attributes with a box labeled "@ interpolation". Below the base class box is another box labeled "Substitution Group". Lines connect "gml:exterior" and "gml:interior" to "gml:AbstractSurfacePatchType".										
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> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:SurfaceInterpolationType			optional
QName	Type	Fixed	Default	Use							
interpolation	gml:SurfaceInterpolationType			optional							

	QName	Type	Fixed	Default	Use
		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		<element name="PolygonPatch" type="gml:PolygonPatchType" substitutionGroup="gml:_SurfacePatch"/>			
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd			

Element **gml:Surface**

Namespace	http://www.opengis.net/gml										
Diagram	<pre> classDiagram class gml:SurfaceType { <<Surface>> @id @srsName @description patches } class gml:AbstractSurfaceType { <<AbstractSurfaceType>> } class gml:AbstractGeometryPrimitiveType { <<AbstractGeometryPrimitiveType>> } class gml:AbstractGeometryType { <<AbstractGeometryType>> } class gml:AbstractGMLType { <<AbstractGMLType>> } gml:SurfaceType < -- gml:AbstractSurfaceType gml:AbstractSurfaceType < -- gml:AbstractGeometryPrimitiveType gml:AbstractGeometryPrimitiveType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGMLType gml:SurfaceType --> @id gml:SurfaceType --> @srsName gml:SurfaceType --> @description gml:SurfaceType --> patches </pre>										
Type	gml:SurfaceType										
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 <ul style="list-style-type: none"> • 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> </tbody> </table> <p>Database handle for the object. It is of XML type ID,</p>	QName	Type	Fixed	Default	Use	gml:id	ID			optional
QName	Type	Fixed	Default	Use							
gml:id	ID			optional							

QName	Type	Fixed	Default	Use
		so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
srsName	anyURI			optional
	In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
Source	<element name="Surface" type="gml:SurfaceType" substitutionGroup="gml:_Surface" />			
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd			

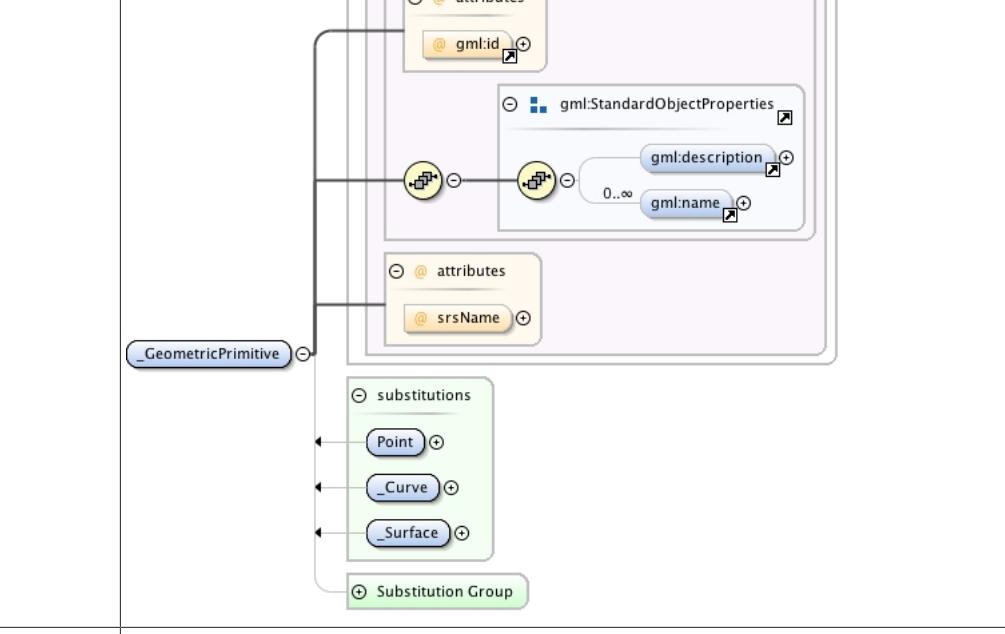
Element gml:_Geometry

Namespace	http://www.opengis.net/gml				
Annotations	The "_Geometry" element is the abstract head of the substitution group for all geometry elements of GML 3. This includes pre-defined and user-defined geometry elements. Any geometry element must be a direct or indirect extension/restriction of AbstractGeometryType and must be directly or indirectly in the substitution group of "_Geometry".				
Diagram	<pre> classDiagram class gml:AbstractGeometryType class gml:AbstractGMLType { <<extension base>> @attributes gml:id gml:StandardObjectProperties { gml:description gml:name } @attributes srsName } class _Geometry { <<substitution>> LinearRing GeometricAggregate GeometricPrimitive } gml:AbstractGeometryType < -- gml:AbstractGMLType gml:AbstractGMLType < -- _Geometry </pre>				
Type	gml:AbstractGeometryType				
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractGeometryType 				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>abstract:</td> <td>true</td> </tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
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
	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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	 <pre> classDiagram class gml:_GeometricPrimitive { <<gml:AbstractGeometricPrimitiveType>> <<gml:AbstractGeometryType (extension base)>> <<gml:AbstractGMLType (extension base)>> @gml:id @srsName gml:description gml:name } class gml:StandardObjectProperties { <<gml:AbstractGMLType (extension base)>> attributes gml:description gml:name } class gml:SubstitutionGroup { <<gml:AbstractGMLType (extension base)>> substitutions Point Curve Surface } </pre>																									
Type	gml:AbstractGeometricPrimitiveType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • gml:AbstractGeometricPrimitiveType 																									
Properties	<p>content: complex</p> <p>abstract: true</p>																									
Model	gml:description{0,1} , gml:name*																									
Children	gml:description, gml:name																									
Instance	<pre> <gml:_GeometricPrimitive gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_GeometricPrimitive> </pre>																									
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 position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				srsName	anyURI			optional		In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
QName	Type	Fixed	Default	Use																						
gml:id	ID			optional																						
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srsName	anyURI			optional																						
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Source	<pre> <element name="GeometricPrimitive" type="gml:AbstractGeometricPrimitiveType" abstract="true" substitutionGroup="gml:_Geometry"> <annotation> </pre>																									

	<pre><documentation>The "_GeometricPrimitive" element is the abstract head of the substitution group for all (pre- and user-defined) geometric primitives.</documentation> </annotation> </element></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:LineString`

Namespace	http://www.opengis.net/gml																									
Diagram	<pre> classDiagram class gml:LineStringType { <<gml:AbstractCurveType (extension base)>> <<gml:AbstractGeometricPrimitiveType (extension base)>> <<gml:AbstractGeometryType (extension base)>> <<gml:AbstractGMLType (extension base)>> @attributes @id srsName StandardObjectProperties { gml:description gml:name } gml:posList } class LineString { <<gml:LineStringType>> } LineString < -- gml:LineStringType </pre>																									
Type	<code>gml:LineStringType</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> • <code>gml:LineStringType</code> 																									
Properties	content: complex																									
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>																									
Instance	<pre> <gml:LineString gml:id="" srsName=""> <gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:LineString> </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> <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</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			
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.																									
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	QName	Type	Fixed	Default	Use
		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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd			

Element **gml:Envelope**

Namespace	http://www.opengis.net/gml														
Diagram	<pre> classDiagram class gml { class EnvelopeType { attribute srsName : anyURI attribute lowerCorner : DirectPositionType attribute upperCorner : 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	<gml:Envelope srsName=""> <gml:lowerCorner>{1,1}</gml:lowerCorner> <gml:upperCorner>{1,1}</gml:upperCorner> </gml:Envelope>														
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> </tbody> </table>	QName	Type	Fixed	Default	Use	srsName	anyURI			required	<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.</p>			
QName	Type	Fixed	Default	Use											
srsName	anyURI			required											
Source	<element name="Envelope" type="gml:EnvelopeType" />														
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd														

Element **gml:EnvelopeType / gml:lowerCorner**

Namespace	http://www.opengis.net/gml				
Diagram	<pre> classDiagram class gml { class DirectPositionType { attribute lowerCorner : doubleList } } </pre>				
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd				

Element `gml:EnvelopeType / gml:upperCorner`

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml { class DirectPositionType class doubleList } class gml { class EnvelopeType class upperCorner { --> doubleList } } </pre>
Type	<code>gml:DirectPositionType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>anySimpleType</code> <ul style="list-style-type: none"> • <code>gml:doubleList</code> <ul style="list-style-type: none"> • <code>gml:DirectPositionType</code>
Properties	content: complex
Source	<code><element name="upperCorner" type="gml:DirectPositionType"/></code>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element `gml:_Feature`

Namespace	http://www.opengis.net/gml
Diagram	<pre> classDiagram class gml { class AbstractFeatureType class AbstractFeatureBaseType class AbstractGMLType class _Feature { <> disjointInheritance >--> AbstractFeatureType <> disjointInheritance >--> AbstractGMLType <> disjointInheritance >--> AbstractFeatureBaseType <> substitutionGroup --> AbstractFeatureType } class StandardObjectProperties class description class name class boundedBy } </pre>
Type	<code>gml:AbstractFeatureType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureBaseType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:boundedBy{0,1}</code>
Children	<code>gml:boundedBy</code> , <code>gml:description</code> , <code>gml:name</code>
Instance	<code><gml:_Feature gml:id=""></code>

	<pre><gml:description>{0,1}</gml:description> <gml:name codeSpace="">{0,unbounded}</gml:name> </gml:_Feature></pre>				
Attributes	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><element name="_Feature" type="gml:AbstractFeatureType" abstract="true" substitutionGroup="gml:_GML"/></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd				

Element gml:boundedBy

Namespace	http://www.opengis.net/gml	
Diagram	<pre> classDiagram class BoundingShapeType { <<gml:BoundingShapeType>> } class Envelope { <<gml:Envelope>> } BoundingShapeType "1" *-- "1" Envelope : boundedBy </pre>	
Type	gml:BoundingShapeType	
Properties	content: complex	
Used by	Complex Type	gml:AbstractFeatureType
Model	gml:Envelope	
Children	gml:Envelope	
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd	

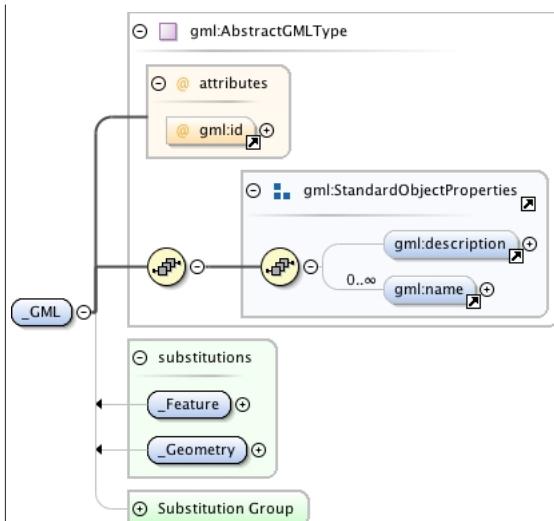
Element gml:_Object

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 Object { <<_Object>> } class GML { <<_GML>> } Object "1" *-- "1" 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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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

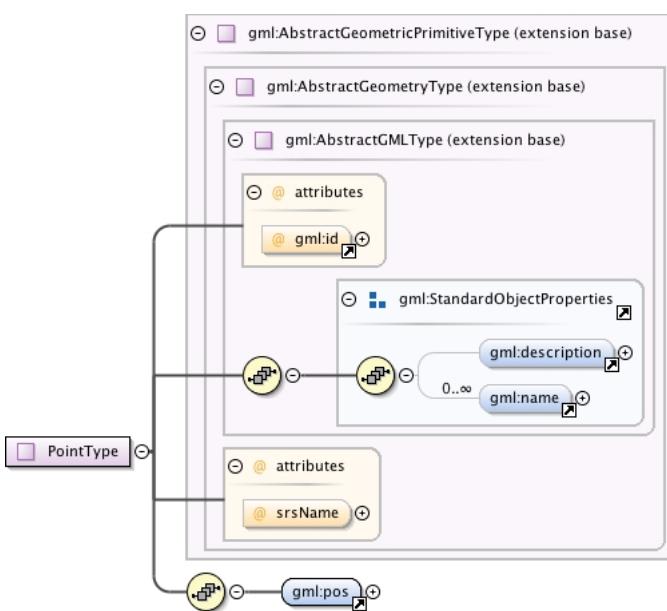


Type	gml:AbstractGMLType																			
Properties	<p>content: complex</p> <p>abstract: true</p>																			
Model	gml:description{0,1} , gml:name*																			
Children	gml:description, gml:name																			
Instance	<pre> <gml:_GML gml:id=""> <gml:description>{0,1}</gml:description> <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> <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.							
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Source	<pre> <element name="_GML" type="gml:AbstractGMLType" abstract="true" substitutionGroup="gml:_Object"> <annotation> <documentation>Global element which acts as the head of a substitution group that may include any element which is a GML feature, object, geometry or complex value</documentation> </annotation> </element> </pre>																			
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																			

Complex Types

Complex Type gml:PointType

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

Diagram																										
Type	extension of <code>gml:AbstractGeometricPrimitiveType</code>																									
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractGeometryType</code> <code>gml:AbstractGeometricPrimitiveType</code> <code>gml:PointType</code> 																									
Used by	<code>Element</code> <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>																									
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QName	Type	Fixed	Default	Use																						
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Source	<pre><complexType name="PointType"> <annotation> <documentation>A Point is defined by a single coordinate tuple.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricPrimitiveType"> <sequence> <element ref="gml:pos"/> </sequence> </extension> </complexContent> </complexType></pre>																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																									

Complex Type `gml:AbstractGeometricPrimitiveType`

Namespace	http://www.opengis.net/gml															
Annotations	<p>This is the abstract root type of the geometric primitives. A geometric primitive is a geometric object that is not decomposed further into other primitives in the system. All primitives are oriented in the direction implied by the sequence of their coordinate tuples.</p>															
Diagram	<pre> classDiagram class gml:AbstractGeometryType { <<extension base="gml:AbstractGMLType">> } class gml:AbstractGMLType { <<@ attributes @gml:id >> <<@ attributes @srsName >> <<gml:StandardObjectProperties >> <<gml:description>> <<0..>> <<gml:name>> } class AbstractGeometricPrimitiveType { <<extension base="gml:AbstractGeometryType">> } </pre>															
Type	extension of <code>gml:AbstractGeometryType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>gml:AbstractGeometricPrimitiveType</code> 															
Properties	abstract: true															
Used by	<table> <tr> <td>Complex Types</td> <td><code>gml:AbstractCurveType</code>, <code>gml:AbstractSurfaceType</code>, <code>gml:PointType</code></td> </tr> <tr> <td>Element</td> <td><code>gml:_GeometricPrimitive</code></td> </tr> </table>	Complex Types	<code>gml:AbstractCurveType</code> , <code>gml:AbstractSurfaceType</code> , <code>gml:PointType</code>	Element	<code>gml:_GeometricPrimitive</code>											
Complex Types	<code>gml:AbstractCurveType</code> , <code>gml:AbstractSurfaceType</code> , <code>gml:PointType</code>															
Element	<code>gml:_GeometricPrimitive</code>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>															
Children	<code>gml:description</code> , <code>gml:name</code>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>srsName</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table> <p><code>gml:id</code>: 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><code>srsName</code>: 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.</p>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional	<code>srsName</code>	anyURI			optional
QName	Type	Fixed	Default	Use												
<code>gml:id</code>	ID			optional												
<code>srsName</code>	anyURI			optional												
Source	<pre> <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> </pre>															

	</complexType>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type **gml:AbstractGeometryType**

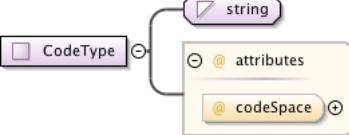
Namespace	http://www.opengis.net/gml																									
Annotations	All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an identifying attribute ("gml:id"), a name (attribute "name") and a description (attribute "description"). It may 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 { <<extension base>> @attributes @gml:id <<StandardObjectProperties>> gml:description gml:name } class gml:AbstractGeometryType { <<AbstractGeometryType>> @attributes @srsName } gml:AbstractGMLType < -- gml:AbstractGeometryType </pre>																									
Type	extension of gml:AbstractGMLType																									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType 																									
Properties	abstract: true																									
Used by	<table> <tr> <td>Complex Types</td> <td>gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType</td> </tr> <tr> <td>Element</td> <td>gml:_Geometry</td> </tr> </table>	Complex Types	gml:AbstractGeometricAggregateType, gml:AbstractGeometricPrimitiveType, gml:LinearRingType	Element	gml:_Geometry																					
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Element	gml:_Geometry																									
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>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>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> <td></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> <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 </documentation> </annotation> </pre>																									

	<p>with a spatial reference system (attribute "srsName"). The following rules shall be adhered:</p> <ul style="list-style-type: none"> - 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> <pre> </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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

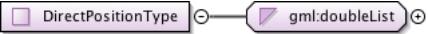
Complex Type gml:AbstractGMLType

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	<pre> classDiagram class AbstractGMLType { <<Abstract GML type>> -attributes +gml:StandardObjectProperties } class StandardObjectProperties { +gml:description +gml:name } AbstractGMLType "1" -- "0..1" StandardObjectProperties : + StandardObjectProperties "*" -- "0..1" gml:description : + StandardObjectProperties "*" -- "0..1" gml:name : + </pre>															
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 <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>codeSpace</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>codeSpace</code>	anyURI			optional
QName	Type	Fixed	Default	Use							
<code>codeSpace</code>	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 for the term, such as the organisation who assigned the value, or the dictionary from which it is taken. A text string with an optional codeSpace attribute.</documentation> </annotation> <simpleContent> <extension base="string"> <attribute name="codeSpace" type="anyURI" use="optional"/> </extension> </simpleContent> </complexType></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 <code>gml:doubleList</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>anySimpleType</code> • <code>gml:doubleList</code> • <code>gml:DirectPositionType</code>
Used by	Elements <code>gml:EnvelopeType/gml:lowerCorner</code> , <code>gml:EnvelopeType/gml:upperCorner</code> , <code>gml:pos</code>
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type `gml:PolygonType`

Namespace	http://www.opengis.net/gml
Annotations	A Polygon is a special surface that is defined by a single surface patch. The boundary of this patch is coplanar and the polygon uses planar interpolation in its interior. It

	is backwards compatible with the Polygon of GML 2.																									
Diagram																										
Type	extension of gm:AbstractSurfaceType																									
Type hierarchy	<ul style="list-style-type: none"> • gm:AbstractGMLType • gm:AbstractGeometryType • gm:AbstractGeometryPrimitiveType • gm:AbstractSurfaceType • gm:PolygonType 																									
Used by	Element gm:Polygon																									
Model	gm:description{0,1} , gm:name* , gm:exterior{0,1} , gm:interior*																									
Children	gm:description, gm:exterior, gm:interior, gm: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>Data type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Data type: anyURI Description: 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 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> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:id	ID			optional		Data type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				srsName	anyURI			optional		Data type: anyURI Description: 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 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 type: ID Description: Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.																									
srsName	anyURI			optional																						
	Data type: anyURI Description: 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 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> <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="gm:AbstractSurfaceType"> ... </extension> </complexContent> </complexType> </pre>																									

	<pre> <sequence> <element ref="gml:exterior" minOccurs="0"/> <element ref="gml:interior" minOccurs="0" maxOccurs="unbounded" /> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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																										
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:AbstractSurfaceType</code> 																									
Used by	<p>Complex Types <code>gml:PolygonType</code>, <code>gml:SurfaceType</code></p> <p>Element <code>gml:_Surface</code></p>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td><code>srsName</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				<code>srsName</code>	anyURI			optional		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
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="AbstractSurfaceType"> <annotation> <documentation>An abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricPrimitiveType"/> </complexContent> </complexType></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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"> • gml:LinearRingType
Used by	Element gml:LinearRing

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	<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	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd					

Complex Type gml:DirectPositionListType

Namespace	http://www.opengis.net/gml				
Annotations	DirectPositionList instances hold the coordinates for a sequence of direct positions within the same coordinate reference system (CRS).				
Diagram	<pre> classDiagram class DirectPositionListType class gml::doubleList DirectPositionListType < -- gml::doubleList </pre>				
Type	extension of gml:doubleList				
Type hierarchy	<ul style="list-style-type: none"> • anySimpleType • gml:doubleList • gml:DirectPositionListType 				
Used by	Element gml:posList				
Source	<pre><complexType name="DirectPositionListType"> <annotation> <documentation>DirectPositionList instances hold the coordinates for a sequence of direct positions within the same coordinate reference system (CRS).</documentation> </annotation> <simpleContent> <extension base="gml:doubleList"/> </simpleContent> </complexType></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd				

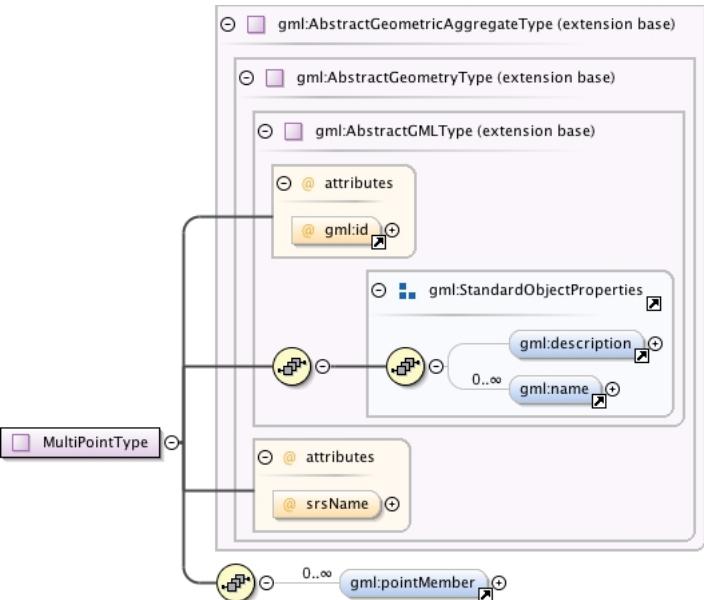
Complex Type `gml:AbstractGeometricAggregateType`

Namespace	http://www.opengis.net/gml																									
Annotations	This is the abstract root type of the geometric aggregates.																									
Diagram	<pre> classDiagram class gml:AbstractGeometryType { <<extension base="gml:AbstractGMLType">> } class gml:AbstractGMLType { <<@ attributes>> <<@ id>> <<StandardObjectProperties>> <<@ attributes>> <<@ srsName>> } class gml:AbstractGeometricAggregateType { <<extension base="gml:AbstractGeometryType">> } gml:AbstractGMLType < -- gml:AbstractGeometryType gml:AbstractGeometryType < -- gml:AbstractGeometricAggregateType gml:AbstractGMLType "0..>" --> gml:AbstractGeometryType : <<StandardObjectProperties>> gml:AbstractGMLType "0..>" --> gml:AbstractGeometryType : <<@ attributes>> gml:AbstractGMLType "0..>" --> gml:AbstractGeometryType : <<@ srsName>> gml:AbstractGMLType "0..>" --> gml:AbstractGeometryType : <<description>> gml:AbstractGMLType "0..>" --> gml:AbstractGeometryType : <<name>> </pre>																									
Type	extension of <code>gml:AbstractGeometryType</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>gml:AbstractGeometricAggregateType</code> 																									
Properties	abstract: true																									
Used by	<table border="1"> <tr> <td>Element</td> <td><code>gml:_GeometricAggregate</code></td> </tr> <tr> <td>Complex Types</td> <td><code>gml:MultiCurveType</code>, <code>gml:MultiPointType</code>, <code>gml:MultiSurfaceType</code></td> </tr> </table>	Element	<code>gml:_GeometricAggregate</code>	Complex Types	<code>gml:MultiCurveType</code> , <code>gml:MultiPointType</code> , <code>gml:MultiSurfaceType</code>																					
Element	<code>gml:_GeometricAggregate</code>																									
Complex Types	<code>gml:MultiCurveType</code> , <code>gml:MultiPointType</code> , <code>gml:MultiSurfaceType</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td><code>srsName</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.				<code>srsName</code>	anyURI			optional		In general this reference points to a CRS instance of <code>gml:CoordinateReferenceSystemType</code> (see <code>coordinateReferenceSystems.xsd</code>). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.			
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Source	<pre> <complexType name="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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd																									

Complex Type `gml:MultiGeometryPropertyType`

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	
Model	<code>gml:_GeometricAggregate</code>
Children	<code>gml:_GeometricAggregate</code>
Source	<pre><complexType name="MultiGeometryPropertyType"> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type `gml:MultiPointType`

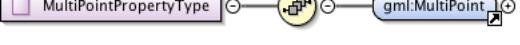
Namespace	http://www.opengis.net/gml										
Annotations	A MultiPoint is defined by one or more Points, referenced through pointMember elements.										
Diagram											
Type	extension of <code>gml:AbstractGeometricAggregateType</code>										
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>gml:AbstractGeometricAggregateType</code> • <code>gml: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>ID</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table> <p>Database handle for the object. It is of XML type ID,</p>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			optional
QName	Type	Fixed	Default	Use							
<code>gml:id</code>	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="MultiPointType"> <annotation> <documentation>A MultiPoint is defined by one or more Points, referenced through pointMember elements.</documentation> </annotation> <complexContent> <extension base="gml:AbstractGeometricAggregateType"> <sequence> <element ref="gml:pointMember" minOccurs="0" maxOccurs="unbounded"/> </sequence> </extension> </complexContent> </complexType>			
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd			

Complex Type gml:Point.PropertyType

Namespace	http://www.opengis.net/gml
Annotations	A property that has a point as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Used by	Element gml:pointMember
Model	gml:Point
Children	gml:Point
Source	<complexType name="Point.PropertyType"> <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>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type gml:MultiPoint.PropertyType

Namespace	http://www.opengis.net/gml
Annotations	A property that has a collection of points as its value domain shall contain an appropriate geometry element encapsulated in an element of this type.
Diagram	
Model	gml:MultiPoint
Children	gml:MultiPoint
Source	<complexType name="MultiPoint.PropertyType"> <annotation>

	<pre> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre> classDiagram class MultiCurveType { @id @srsName gml:curveMember *--> Curve } class StandardObjectProperties { gml:description gml:name } class AbstractGeometricAggregateType { gml:curveMember *--> MultiCurveType } class AbstractGeometryType { attributes } class AbstractGMLType { attributes } MultiCurveType < -- StandardObjectProperties MultiCurveType < -- AbstractGeometricAggregateType MultiCurveType < -- AbstractGeometryType StandardObjectProperties < -- AbstractGMLType StandardObjectProperties < -- AbstractGeometryType AbstractGeometricAggregateType < -- AbstractGMLType AbstractGeometricAggregateType < -- AbstractGeometryType </pre>																									
Type	extension of gml:AbstractGeometricAggregateType																									
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 <ul style="list-style-type: none"> • gml:MultiCurveType 																									
Used by	Element gml:MultiCurve																									
Model	gml:description{0,1}, gml:name*, gml:curveMember*																									
Children	gml:curveMember, 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> <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			
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	QName	Type	Fixed	Default	Use
			position level only in rare cases.		
Source		<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>			
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	
Used by	Element gml:curveMember
Model	gml:_Curve
Children	gml:_Curve
Source	<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>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	

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:AbstractCurveType</code> 																									
Properties	<code>abstract: true</code>																									
Used by	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Element</td> <td style="padding: 2px;"><code>gml:_Curve</code></td> </tr> <tr> <td style="padding: 2px;">Complex Types</td> <td style="padding: 2px;"><code>gml:CurveType</code>, <code>gml:LineStringType</code></td> </tr> </table>	Element	<code>gml:_Curve</code>	Complex Types	<code>gml:CurveType</code> , <code>gml:LineStringType</code>																					
Element	<code>gml:_Curve</code>																									
Complex Types	<code>gml:CurveType</code> , <code>gml:LineStringType</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code>																									
Children	<code>gml:description</code> , <code>gml:name</code>																									
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<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 style="font-family: monospace; font-size: 0.8em; margin: 0;"> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<code>gml:MultiCurve</code>
Children	<code>gml:MultiCurve</code>
Source	<pre style="font-family: monospace; font-size: 0.8em; margin: 0;"> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre> classDiagram class MultiSurfaceType { @id @srsName sequence StandardObjectProperties { description name } <--> surfaceMembers } class AbstractGeometricAggregateType { < -- MultiSurfaceType sequence StandardObjectProperties { description name } <--> surfaceMembers } class AbstractGeometryType { < -- AbstractGeometricAggregateType } class AbstractGMLType { < -- AbstractGeometryType } class attributes { @id @srsName } class StandardObjectProperties { description name } </pre>																									
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:MultiSurfaceType</code> 																									
Used by	Element <code>gml:MultiSurface</code>																									
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>																									
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																						
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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="gml:AbstractGeometricAggregateType"> <sequence> <element ref="gml:surfaceMember" minOccurs="0" maxOccurs="unbounded" /> </sequence> </extension> </complexContent> </complexType> </pre>																									

	<pre> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

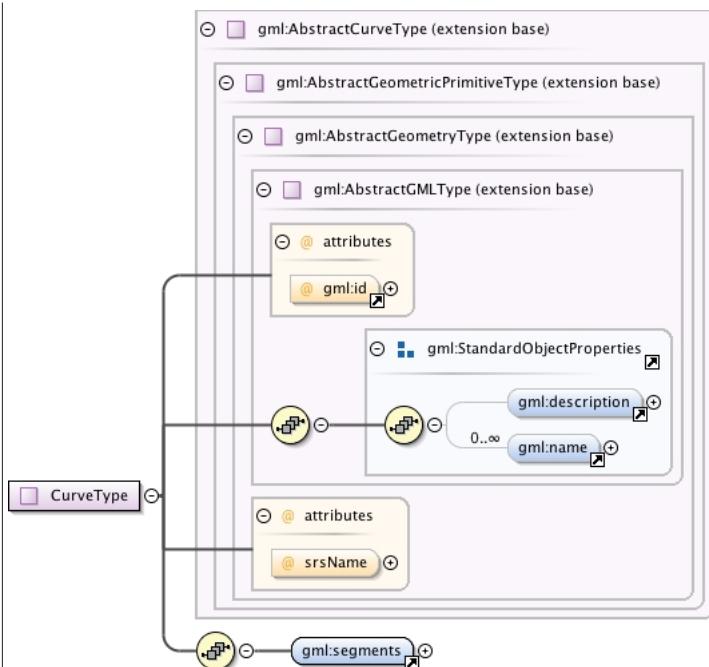
Complex Type **gml:MultiSurfacePropertyType**

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	
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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.</p> <p>The orientation of the curve is positive.</p>

Diagram



Type	extension of <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> <code>gml:CurveType</code> 																									
Used by	Element <code>gml:Curve</code>																									
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:segments</code>																									
Children	<code>gml:description</code> , <code>gml:name</code> , <code>gml:segments</code>																									
Attributes	<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																						
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Source	<pre> <complexType name="CurveType"> <annotation> <documentation>Curve is a 1-dimensional primitive. Curves are continuous, connected, and have a measurable length in terms of the coordinate system. A curve is composed of one or more curve segments. The curve segments are connected to one another, with the end point of each segment except the last being the start point of the next segment in the segment list. The orientation of the curve is positive.</documentation> </annotation> <complexContent> <extension base="gml:AbstractCurveType"> <sequence> </pre>																									

```

        <element ref="gml:segments">
          <annotation>
            <documentation>This element encapsulates the segments of the curve.</documentation>
          </annotation>
        </element>
      </sequence>
    </extension>
  </complexContent>
</complexType>

```

Schema location file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type gml:CurveSegmentArrayPropertyType

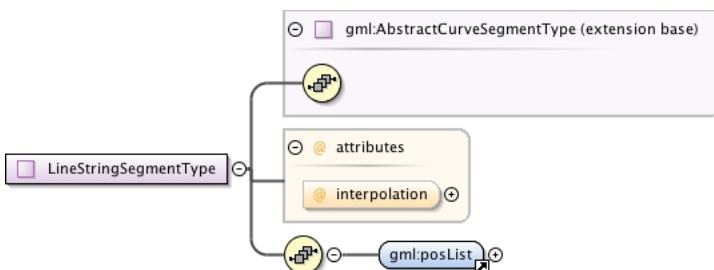
Namespace	http://www.opengis.net/gml
Annotations	A container for an array of curve segments.
Diagram	
Used by	Element gml:segments
Model	gml:_CurveSegment*
Children	gml:_CurveSegment
Source	<pre> <complexType name="CurveSegmentArrayPropertyType"> <annotation> <documentation>A container for an array of curve segments.</documentation> </annotation> <sequence> <element ref="gml:_CurveSegment" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type gml:AbstractCurveSegmentType

Namespace	http://www.opengis.net/gml
Annotations	Curve segment defines a homogeneous segment of a curve.
Diagram	
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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> <ul style="list-style-type: none"> • <code>gml:LineStringSegmentType</code> 															
Used by	Element <code>gml:LineStringSegment</code>															
Model	<code>gml:posList</code>															
Children	<code>gml:posList</code>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>interpolation</td><td><code>gml:CurveInterpolationType</code></td><td>fixed</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	<code>gml:CurveInterpolationType</code>	fixed		optional		The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".			
QName	Type	Fixed	Default	Use												
interpolation	<code>gml:CurveInterpolationType</code>	fixed		optional												
	The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".															
Source	<pre><complexType name="LineStringSegmentType"> <annotation> <documentation>A LineStringSegment is a curve segment that is defined by two or more coordinate tuples, with linear interpolation between them. Note: LineStringSegment implements GM_LineString of ISO 19107.</documentation> </annotation> <complexContent> <extension base="gml:AbstractCurveSegmentType"> <sequence> <element ref="gml:posList" /> </sequence> <attribute name="interpolation" type="gml:CurveInterpolationType" fixed="linear"> <annotation> <documentation>The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".</documentation> </annotation> </attribute> </extension> </complexContent> </complexType></pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd															

Complex Type `gml:AbstractSurfacePatchType`

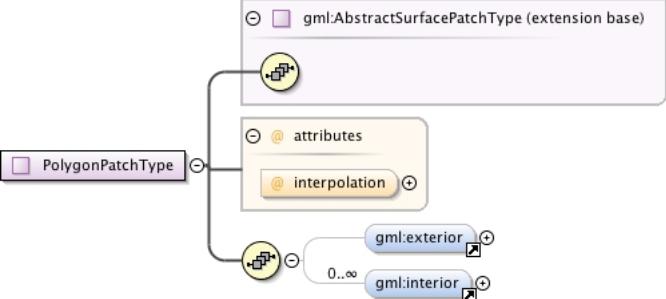
Namespace	http://www.opengis.net/gml
Annotations	A surface patch defines a homogenous portion of a surface.
Diagram	
Properties	<code>abstract: true</code>
Used by	Element <code>gml:_SurfacePatch</code> Complex Type <code>gml:PolygonPatchType</code>
Model	
Source	<pre><complexType name="AbstractSurfacePatchType"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

	</complexType>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Complex Type `gml:SurfacePatchArrayType`

Namespace	http://www.opengis.net/gml
Annotations	A container for an array of surface patches.
Diagram	
Used by	Element <code>gml:patches</code>
Model	<code>gml:_SurfacePatch*</code>
Children	<code>gml:_SurfacePatch</code>
Source	<pre> <complexType name="SurfacePatchArrayType"> <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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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																
Type	extension of <code>gml:AbstractSurfacePatchType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractSurfacePatchType</code> • <code>gml:PolygonPatchType</code> 															
Used by	Element <code>gml:PolygonPatch</code>															
Model	<code>gml:exterior{0,1}</code> , <code>gml:interior*</code>															
Children	<code>gml:exterior</code> , <code>gml:interior</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>interpolation</code></td> <td><code>gml:SurfaceInterpolationType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">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	<code>interpolation</code>	<code>gml:SurfaceInterpolationType</code>			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												
<code>interpolation</code>	<code>gml:SurfaceInterpolationType</code>			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> <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> </pre>															

```

</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>

```

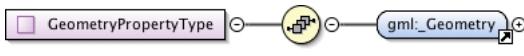
Schema location file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

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	<pre> classDiagram class gml:AbstractSurfaceType { <<extension base>> } class gml:AbstractGeometricPrimitiveType { <<extension base>> } class gml:AbstractGeometryType { <<extension base>> } class gml:AbstractGMLType { <<extension base>> } class SurfaceType { <<@ id, @ srsName>> --> gml:AbstractSurfaceType --> gml:AbstractGeometricPrimitiveType --> gml:AbstractGeometryType --> gml:AbstractGMLType --> gml:StandardObjectProperties --> gml:patches } class gml:StandardObjectProperties { <<0..>> gml:description gml:name } </pre>
Type	extension of gml:AbstractSurfaceType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType <ul style="list-style-type: none"> • gml:AbstractGeometricPrimitiveType <ul style="list-style-type: none"> • gml:AbstractSurfaceType

	<ul style="list-style-type: none"> • <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	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="SurfaceType"> <annotation> <documentation>A Surface is a 2-dimensional primitive and is composed of one or more surface patches. The surface patches are connected to one another. The orientation of the surface is positive ("up"). The orientation of a surface chooses an "up" direction through the choice of the upward normal, which, if the surface is not a cycle, is the side of the surface from which the exterior boundary appears counterclockwise. Reversal of the surface orientation reverses the curve orientation of each boundary component, and interchanges the conceptual "up" and "down" direction of the surface. If the surface is the boundary of a solid, the "up" direction is usually outward. For closed surfaces, which have no boundary, the up direction is that of the surface patches, which must be consistent with one another. Its included surface patches describe the interior structure of the Surface.</documentation> </annotation> <complexContent> <extension base="gml:AbstractSurfaceType"> <sequence> <element ref="gml:patches"> <annotation> <documentation>This element encapsulates the patches of the surface.</documentation> </annotation> </element> </sequence> </extension> </complexContent> </complexType></pre>								
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd								

Complex Type `gml:GeometryPropertyType`

Namespace	http://www.opengis.net/gml
Annotations	A geometric property shall contain any geometry element encapsulated in an element of this type.
Diagram	
Model	<code>gml:_Geometry</code>
Children	<code>gml:_Geometry</code>
Source	<pre><complexType name="GeometryPropertyType"> <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></pre>

	</complexType>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre> classDiagram class gml:AbstractCurveType { <<extension base>> } class gml:AbstractGeometryType { <<extension base>> } class gml:AbstractGeometricPrimitiveType { <<extension base>> } class gml:AbstractGMLType { <<extension base>> } class LineStringType { <<extension of gml:AbstractCurveType>> <<@ attributes>> <<@ id>> <<@ srsName>> <<gml:StandardObjectProperties>> <<gml:description>> <<gml:name>> <<gml:posList>> } </pre>																									
Type	extension of <code>gml:AbstractCurveType</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:AbstractCurveType</code> <ul style="list-style-type: none"> • <code>gml:LineStringType</code> 																									
Used by	Element <code>gml:LineString</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 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 </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			
QName	Type	Fixed	Default	Use																						
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<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																									

	QName	Type	Fixed	Default	Use				
		that this attribute will be specified at the direct position level only in rare cases.							
Source	<pre><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> <complexContent> <extension base="gml:AbstractCurveType"> <sequence> <element ref="gml:posList" /> </sequence> </extension> </complexContent> </complexType></pre>								
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd								

Complex Type gml:EnvelopeType

Namespace	http://www.opengis.net/gml														
Annotations	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).														
Diagram	<pre> classDiagram class EnvelopeType { @ attributes @ srsName lowerCorner 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> </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											
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 { <<extension base>> <<restriction base>> <<@ attributes>> <<@ gml:id>> <<gml:StandardObjectProperties>> <<gml:description>> <<gml:name>> } class gml:AbstractGMLType { <<@ attributes>> <<@ gml:id>> <<gml:StandardObjectProperties>> <<gml:description>> <<gml:name>> } class gml:AbstractFeatureType { <<gml:boundedBy>> } gml:AbstractFeatureType < -- gml:AbstractFeatureBaseType gml:AbstractFeatureBaseType < -- gml:AbstractGMLType </pre>															
Type	extension of <code>gml:AbstractFeatureBaseType</code>															
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureBaseType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code> 															
Properties	abstract: true															
Used by	Element <code>gml:_Feature</code>															
Model	<code>gml:description{0,1}</code> , <code>gml:name*</code> , <code>gml:boundedBy{0,1}</code>															
Children	<code>gml:boundedBy</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>required</td></tr> <tr> <td></td><td></td><td colspan="3">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:id</code>	ID			required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
QName	Type	Fixed	Default	Use												
<code>gml:id</code>	ID			required												
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.														
Source	<pre> <complexType name="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> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 { <<restriction base>> <<@ attributes>> <<@ gml:id>> } class gml:StandardObjectProperties { <<sequence>> <<group ref=gml:StandardObjectProperties>> <<attribute ref=gml:id use=required>> <<attribute ref=gml:description>> <<attribute ref=gml:name>> } class AbstractFeatureBaseType { <<restriction base=gml:AbstractGMLType>> <<@ attributes>> <<@ gml:id>> } gml:AbstractGMLType < -- gml:AbstractFeatureBaseType gml:StandardObjectProperties < -- gml:StandardObjectProperties </pre>															
Type	restriction of gml:AbstractGMLType															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • 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> <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="AbstractFeatureBaseType"> <annotation> <documentation>A abstract feature base type, that shall include an identifying attribute ('id').</documentation> </annotation> <complexContent> <restriction base="gml:AbstractGMLType"> <sequence> <group ref="gml:StandardObjectProperties"/> </sequence> <attribute ref="gml:id" use="required"/> </restriction> </complexContent> </complexType> </pre>															
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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																																																										
Attributes	QName	Type	Fixed	Default	Use																																																					
<table border="1"> <tr> <td>xlink:actuate</td> <td>restriction of string</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="5">The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained</td></tr> <tr> <td>xlink:arcrole</td> <td>anyURI</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>anyURI</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>restriction of string</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="5">The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained</td></tr> <tr> <td>xlink:title</td> <td>string</td> <td></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>string</td> <td>simple</td> <td></td> <td></td> <td>optional</td> </tr> </table>					xlink:actuate	restriction of string				optional		The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained					xlink:arcrole	anyURI				optional	xlink:href	anyURI				optional	xlink:role	anyURI				optional	xlink:show	restriction of string				optional		The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained					xlink:title	string				optional	xlink:type	string	simple			optional
xlink:actuate	restriction of string				optional																																																					
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xlink:title	string				optional																																																					
xlink:type	string	simple			optional																																																					
Source	<pre><complexType name="ReferenceType"> <annotation> <documentation>A pattern or base for derived types used to specify complex types corresponding to a UML aggregation association. An instance of this type serves as a pointer to a remote Object.</documentation> </annotation> <attributeGroup ref="gml:AssociationAttributeGroup" /> </complexType></pre>																																																									
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 { <<extension of double>> <<attribute @attributes>> <<attribute @uom>> } MeasureType < -- double </pre>														
Type	extension of double														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>anyURI</code></td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	<code>uom</code>	<code>anyURI</code>			required
QName	Type	Fixed	Default	Use											
<code>uom</code>	<code>anyURI</code>			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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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 { <<list itemType="double">> } doubleList < -- double </pre>				
Type	list of double				
Used by	Complex Types <code>gml:DirectPositionListType</code> , <code>gml:DirectPositionType</code>				
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<pre> classDiagram class CurveInterpolationType { <<restriction of string>> } CurveInterpolationType < -- string </pre>				
Type	restriction of string				
Facets	enumeration linear				
Used by	Attribute <code>gml:LineStringSegmentType/@interpolation</code>				
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> </simpleType> </pre>				

	<pre> <restriction base="string"> <enumeration value="linear" /> </restriction> </simpleType> </pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	A UML class diagram fragment showing a class named "SurfaceInterpolationType" with a multiplicity of 1..1 at its end, connected to a class named "string" with a multiplicity of 0..1 at its end, via a directed association line with a hollow diamond symbol at the start of the line.
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	A UML class diagram fragment showing a class named "NCNameList" with a multiplicity of 0..1 at its end, connected to a class named "NCName" with a multiplicity of 1..* at its end, via a directed association line with a hollow diamond symbol at the start of the line.
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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Attributes

Attribute @gml:id

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

	</annotation> </attribute>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Element Groups

Element Group `gml:StandardObjectProperties`

Namespace	http://www.opengis.net/gml	
Annotations	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.	
Diagram	<pre> classDiagram class StandardObjectProperties { <<StandardObjectProperties>> <<gml:description>> <<gml:name>> } StandardObjectProperties "0..oo" --> "0..oo" gml:description StandardObjectProperties "0..oo" --> "0..oo" gml:name </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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd	

Attribute Groups

Attribute Group `gml:AssociationAttributeGroup`

Namespace	http://www.opengis.net/gml	
Annotations	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.	
Diagram	<pre> classDiagram class AssociationAttributeGroup { <<AssociationAttributeGroup>> <<xlink:simpleLink>> } AssociationAttributeGroup --> xlink:simpleLink class xlink:simpleLink { @ type @ xlink:href @ xlink:role @ xlink:arcrole @ xlink:title @ xlink:show @ xlink:actuate } </pre>	

Used by	Complex Type	gml:ReferenceType			
Attributes	QName xlink:actuate	Type restriction of string	Fixed 	Default 	Use optional
	<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p>				
	xlink:arcrole	anyURI			optional
	xlink: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; it's value should be treated as follows:</p> <p>new - load ending resource in a new window, frame, pane, or other presentation context</p> <p>replace - load the resource in the same window, frame, pane, or other presentation context</p> <p>embed - load ending resource in place of the presentation of the starting resource</p> <p>other - behavior is unconstrained; examine other markup in the link for hints</p> <p>none - behavior is unconstrained</p>				
	xlink:title	string			optional
	xlink:type	string	simple		optional
Source	<pre><attributeGroup name="AssociationAttributeGroup"> <annotation> <documentation>Attribute group used to enable property elements to refer to their value remotely. It contains the simple link components from xlink.xsd, with all members optional. These attributes can be attached to any element, thus allowing it to act as a pointer.</documentation> </annotation> <attributeGroup ref="xlink:simpleLink"/> </attributeGroup></pre>				
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd				

Namespace: ""

Attributes

Attribute controlledVoc / @normalStd

Namespace	No namespace
Annotations	The name of the standard used to control this vocabulary
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="normalStd"> <xs:annotation> <xs:documentation xml:lang="EN">The name of the standard used to control this vocabulary</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute controlledVoc / @normalId

Namespace	No namespace
Annotations	The ID value in the standard dictionary corresponding to this entry
Used by	Complex Type controlledVoc

Source	<pre><xs:attribute name="normalId"> <xs:annotation> <xs:documentation xml:lang="EN">The ID value in the standard dictionary corresponding to this entry</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute controlledVoc / @normal

Namespace	No namespace
Annotations	The normalised name for this entry
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="normal"> <xs:annotation> <xs:documentation xml:lang="EN">The normalised name for this entry</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute controlledVoc / @lang

Namespace	No namespace
Annotations	The language this term is in. Default is EN if not specified.
Type	xs:language
Properties	content: simple
Used by	Complex Type controlledVoc
Source	<pre><xs:attribute name="lang" type="xs:language"> <xs:annotation> <xs:documentation xml:lang="EN">The language this term is in. Default is EN if not specified.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute dateTime / @certainty

Namespace	No namespace										
Type	certainty										
Properties	use: optional										
Facets	<table border="1"> <tr> <td>enumeration</td> <td>unknown</td> </tr> <tr> <td>enumeration</td> <td>exact</td> </tr> <tr> <td>enumeration</td> <td>approximately</td> </tr> <tr> <td>enumeration</td> <td>after</td> </tr> <tr> <td>enumeration</td> <td>before</td> </tr> </table>	enumeration	unknown	enumeration	exact	enumeration	approximately	enumeration	after	enumeration	before
enumeration	unknown										
enumeration	exact										
enumeration	approximately										
enumeration	after										
enumeration	before										
Used by	Complex Type dateTime										
Source	<pre><xs:attribute name="certainty" type="certainty" use="optional"/></pre>										
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd										

Attribute date / @certainty

Namespace	No namespace						
Type	certainty						
Properties	use: optional						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>unknown</td> </tr> <tr> <td>enumeration</td> <td>exact</td> </tr> <tr> <td>enumeration</td> <td>approximately</td> </tr> </table>	enumeration	unknown	enumeration	exact	enumeration	approximately
enumeration	unknown						
enumeration	exact						
enumeration	approximately						

	enumeration	after
	enumeration	before
Used by	Complex Type	date
Source	<xs:attribute name="certainty" type="certainty" use="optional"/>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute year / @certainty

Namespace	No namespace	
Type	certainty	
Properties	use: optional	
Facets	enumeration	unknown
	enumeration	exact
	enumeration	approximately
	enumeration	after
	enumeration	before
Used by	Complex Type	year
Source	<xs:attribute name="certainty" type="certainty" use="optional"/>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute year / @suffix

Namespace	No namespace	
Type	datingSuffix	
Properties	use: required	
Facets	enumeration	AD
	enumeration	BC
	enumeration	BP
Used by	Complex Type	year
Source	<xs:attribute name="suffix" use="required" type="datingSuffix"/>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute identifier / @domain

Namespace	No namespace	
Annotations	The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.	
Properties	use: required	
Used by	Element	identifier
Source	<xs:attribute name="domain" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">The domain which this identifier is applicable to. Could be the URL of the organisation's server or the name of the organisation as long as it is not ambiguous.</xs:documentation> </xs:annotation> </xs:attribute>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute idRef / seriesLink / @ref

Namespace	No namespace	
Type	xs:IDREF	
Properties	content: simple	

Used by	Element	seriesLink/idRef
Source		<xs:attribute name="ref" type="xs:IDREF" />
Schema location		file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute gml:CodeType / @codeSpace

Namespace	No namespace	
Type	anyURI	
Properties	use: optional	
Used by	Complex Type	gml:CodeType
Source	<attribute name="codeSpace" type="anyURI" use="optional" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<attribute name="srsName" type="anyURI" use="optional"> <annotation> <documentation>In general this reference points to a CRS instance of gml:CoordinateReferenceSystemType (see coordinateReferenceSystems.xsd). For well known references it is not required that the CRS description exists at the location the URI points to. If no srsName attribute is given, the CRS must be specified as part of the larger context this geometry element is part of, e.g. a geometric element like point, curve, etc. It is expected that this attribute will be specified at the direct position level only in rare cases.</documentation> </annotation> </attribute>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd	

Attribute genericField / @name

Namespace	No namespace	
Annotations	Name of the field.	
Properties	use: required	
Used by	Element	genericField
Source	<xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Name of the field.</xs:documentation> </xs:annotation> </xs:attribute>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute genericField / @type

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

Facets	enumeration	<code>xs:string</code>
	enumeration	<code>xs:boolean</code>
	enumeration	<code>xs:int</code>
	enumeration	<code>xs:float</code>
	enumeration	<code>xs:date</code>
	enumeration	<code>xs:dateTime</code>
	enumeration	<code>xs:duration</code>
Used by	Element	<code>genericField</code>
Source	<pre><xs:attribute name="type" use="optional"> <xs:annotation> <xs:documentation>The data type that this field contains.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="xs:string"/> <xs:enumeration value="xs:boolean"/> <xs:enumeration value="xs:int"/> <xs:enumeration value="xs:float"/> <xs:enumeration value="xs:date"/> <xs:enumeration value="xs:dateTime"/> <xs:enumeration value="xs:duration"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute name / laboratory / @acronym

Namespace	No namespace
Annotations	Acronym of the laboratory.
Properties	use: optional
Used by	Element <code>laboratory/name</code>
Source	<pre><xs:attribute name="acronym" use="optional"> <xs:annotation> <xs:documentation>Acronym of the laboratory.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute category / @normalTridas

Namespace	No namespace
Annotations	TRiDaS controlled vocabulary of research categories.
Type	<code>normalTridasCategory</code>
Properties	content: simple
Facets	enumeration
Used by	Element <code>category</code>
Source	<pre><xs:attribute name="normalTridas" type="normalTridasCategory"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary of research categories.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute shape / @normalTridas

Namespace	No namespace
Type	<code>normalTridasShape</code>
Properties	content: simple

Facets	enumeration	Whole section
	enumeration	Half section
	enumeration	Third section
	enumeration	Quarter section
	enumeration	Wedge where radius is smaller than circumference
	enumeration	Wedge where radius equals the circumference
	enumeration	Wedge where radius is bigger than the circumference
	enumeration	Beam straightened on one side
	enumeration	Squared beam from whole section
	enumeration	Squared beam from half section
	enumeration	Squared beam from quarter section
	enumeration	Plank cut on one side
	enumeration	Radial plank through pith
	enumeration	Radial plank up to pith
	enumeration	Tangential plank not including pith with breadth larger than a quarter section
	enumeration	Plank not including pith with breadth smaller than a quarter section
	enumeration	Small part of section
	enumeration	Part of undetermined section
	enumeration	Unknown
Used by	Element	shape
Source	<xs:attribute name="normalTridas" type="normalTridasShape" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute unit / @normalTridas

Namespace	No namespace
Type	normalTridasUnit
Properties	content: simple
Facets	enumeration micrometres
	enumeration 1/100th millimetres
	enumeration 1/10th millimetres
	enumeration millimetres
	enumeration centimetres
	enumeration metres
Used by	Element unit
Source	<xs:attribute name="normalTridas" type="normalTridasUnit" />

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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Attribute pith / @presence

Namespace	No namespace	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration	unknown
	enumeration	not applicable
	enumeration	absent
	enumeration	complete
	enumeration	incomplete
Used by	Element	pith
Source	<xs:attribute name="presence" use="required" type="complexPresenceAbsence" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute heartwood / @presence

Namespace	No namespace	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration	unknown
	enumeration	not applicable
	enumeration	absent
	enumeration	complete
	enumeration	incomplete
Used by	Element	heartwood
Source	<xs:attribute name="presence" use="required" type="complexPresenceAbsence" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute lastRingUnderBark / @presence

Namespace	No namespace	
Type	presenceAbsence	
Properties	use: required	
Facets	enumeration	present
	enumeration	absent
Used by	Element	lastRingUnderBark
Source	<xs:attribute name="presence" type="presenceAbsence" use="required" />	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute sapwood / @presence

Namespace	No namespace	
Annotations	Whether the sapwood is present or not	
Type	complexPresenceAbsence	
Properties	use: required	
Facets	enumeration	unknown
	enumeration	not applicable
	enumeration	absent
	enumeration	complete

	enumeration	incomplete
Used by	Element	sapwood
Source	<pre><xs:attribute name="presence" use="required" type="complexPresenceAbsence"> <xs:annotation> <xs:documentation xml:lang="EN">Whether the sapwood is present or not</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute bark / @presence

Namespace	No namespace	
Type	presenceAbsence	
Properties	use: required	
Facets	enumeration	present
	enumeration	absent
Used by	Element	bark
Source	<pre><xs:attribute name="presence" use="required" type="presenceAbsence"/></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute measuringMethod / @normalTridas

Namespace	No namespace	
Annotations	TRiDaS controlled vocabulary for the method of measuring.	
Type	normalTridasMeasuringMethod	
Properties	content: simple	
Facets	enumeration	Measuring platform
	enumeration	Hand lens and graticule
Used by	Element	measuringMethod
Source	<pre><xs:attribute name="normalTridas" type="normalTridasMeasuringMethod"> <xs:annotation> <xs:documentation>TRiDaS controlled vocabulary for the method of measuring.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute dating / @type

Namespace	No namespace	
Annotations	Field to denote dating type	
Type	normalTridasDatingType	
Properties	use: required	
Facets	enumeration	Absolute
	enumeration	Dated with uncertainty
	enumeration	Relative
	enumeration	Radiocarbon
Used by	Element	dating
Source	<pre><xs:attribute name="type" type="normalTridasDatingType" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">Field to denote dating type</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute variable / @normalTridas

Namespace	No namespace	
Type	normalTridasVariable	
Properties	content: simple	
Facets	enumeration	Ring width
	enumeration	Earlywood width
	enumeration	Latewood width
	enumeration	Ring density
	enumeration	Earlywood density
	enumeration	Latewood density
	enumeration	Maximum density
	enumeration	Latewood percent
Used by	Element	variable
Source	<xs:attribute name="normalTridas" type="normalTridasVariable"/>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute remark / @normalTridas

Namespace	No namespace	
Annotations	TRiDaS controlled vocabulary for specific remarks.	
Type	normalTridasRemark	
Properties	content: simple	
Facets	enumeration	Fire damage
	enumeration	Frost damage
	enumeration	Crack
	enumeration	False ring(s)
	enumeration	Compression wood
	enumeration	Tension wood
	enumeration	Traumatic ducts
	enumeration	Unspecified injury
Used by	Element	remark
Source	<xs:attribute name="normalTridas" type="normalTridasRemark"> <xs:annotation> <xs:documentation xml:lang="EN">TRiDaS controlled vocabulary for specific remarks.</xs:documentation> </xs:annotation> </xs:attribute>	
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd	

Attribute remark / @inheritedCount

Namespace	No namespace	
Annotations	In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.	
Type	xs:int	
Properties	content: simple	
Used by	Element	remark
Source	<xs:attribute name="inheritedCount" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="EN">In derivedSeries this shows the number of constituent measurementSeries that this remark is found in.</xs:documentation> </xs:annotation> </xs:attribute>	

Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd
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Attribute value / @value

Namespace	No namespace
Annotations	A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.
Type	xs:string
Properties	use: required
Used by	Element value
Source	<pre><xs:attribute name="value" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="EN">A value is the result of a single ring measurement. The type of measurement this is along with the units used are recorded in the 'values' container in the associated measurement- or derivedSeries.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute value / @count

Namespace	No namespace
Annotations	Optional field to denote how many underlying values went to create this value in a derivedSeries
Type	xs:int
Properties	use: optional
Used by	Element value
Source	<pre><xs:attribute name="count" type="xs:int" use="optional"> <xs:annotation> <xs:documentation xml:lang="EN">Optional field to denote how many underlying values went to create this value in a derivedSeries</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute baseSeries / @id

Namespace	No namespace
Type	xs:ID
Properties	content: simple
Used by	Complex Type baseSeries
Source	<pre><xs:attribute name="id" type="xs:ID"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute measurementSeries / @id

Namespace	No namespace
Type	xs:ID
Properties	content: simple
Used by	Element measurementSeries
Source	<pre><xs:attribute name="id" type="xs:ID"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.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:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/tridas-1.2.1.xsd

Attribute gml:LineStringSegmentType / @interpolation

Namespace	No namespace
Annotations	The attribute "interpolation" specifies the curve interpolation mechanism used for this segment. This mechanism uses the control points and control parameters to determine the position of this curve segment. For a LineStringSegment the interpolation is fixed as "linear".
Type	gml:CurveInterpolationType
Properties	fixed: linear
Facets	enumeration linear
Used by	Complex Type gml:LineStringSegmentType
Source	<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>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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	<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>

	</attribute>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/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>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd

Attribute gml:MeasureType / @uom

Namespace	No namespace
Type	anyURI
Properties	use: required
Used by	Complex Type gml:MeasureType
Source	<pre><attribute name="uom" type="anyURI" use="required"/></pre>
Schema location	file:/Users/peterbrewer/dev/sourceforge/tridas/XMLSchema/1.2.1/gmlsf.xsd