

Schema documentation for PlanTrip.xsd

april 16, 2015

Table of Contents

Namespace: "http://www.apiiim.fr/distributed-journey-planner/1.0/plantrip"	22
Schema(s)	22
Main schema PlanTrip.xsd	22
Included schema dynamicFeature.xsd	22
Included schema feature.xsd	22
Included schema geometryAggregates.xsd	22
Included schema geometryPrimitives.xsd	22
Included schema geometryBasic2d.xsd	23
Included schema geometryBasic0d1d.xsd	23
Included schema measures.xsd	23
Included schema units.xsd	23
Included schema dictionary.xsd	24
Included schema gmlBase.xsd	24
Included schema basicTypes.xsd	24
Included schema temporal.xsd	24
Included schema direction.xsd	25
Included schema topology.xsd	25
Included schema geometryComplexes.xsd	25
Included schema coverage.xsd	25
Included schema valueObjects.xsd	26
Included schema grids.xsd	26
Included schema coordinateReferenceSystems.xsd	26
Included schema coordinateSystems.xsd	27
Included schema referenceSystems.xsd	27
Included schema datums.xsd	27
Included schema coordinateOperations.xsd	27
Included schema observation.xsd	27
Included schema temporalReferenceSystems.xsd	28
Included schema temporalTopology.xsd	28
Included schema deprecatedTypes.xsd	28
Element(s)	28
Element PlanTripRequest	28
Element PlanTripResponse	29
Element StartingSearch	30
Element EndingSearch	30
Element PlanTripCancellationRequest	31
Element PlanTripCancellationResponse	31
Element PlanTripExistenceNotificationResponse	32
Element PlanTripNotificationResponse	33
Element AccessibilityConstraint	34
Complex Type(s)	34
Complex Type PlanTripRequestType	34
Complex Type ErrorType	35
Complex Type PlanTripExistenceNotificationResponseType	35
Complex Type ProviderType	36
Complex Type PlanTripNotificationResponseType	36
Complex Type ComposedTripType	37
Complex Type PartialTripType	38
Complex Type LocationPointType	39
Complex Type PlanTripNotificationStatusType	39
Simple Type(s)	40
Simple Type FieldEnumeration	40
Simple Type StatusTypeEnumeration	40
Simple Type AlgorithmTypeEnumeration	40
Simple Type PlanTripStatusCodeEnumeration	40
Namespace: "http://www.apiiim.fr/distributed-journey-planner/1.0/protocol"	40
Schema(s)	40
Imported schema Protocol.xsd	40
Complex Type(s)	41
Complex Type AbstractRequestType	41
Complex Type AbstractResponseType	41
Complex Type AbstractNotificationResponseType	41
Simple Type(s)	42

Simple Type StatusEnumeration	42
Element Group(s)	42
Element Group StatusGroup	42
Namespace: "http://www.apisim.fr/common/1.0/protocol-framework"	42
Schema(s)	42
Imported schema ProtocolFramework.xsd	42
Element(s)	43
Element ServiceDefaultsType / DefaultLocale	43
Element ServiceDefaultsType / DefaultLocale / DefaultLanguage	43
Element ServiceDefaultsType / DefaultLocale / TimeZoneOffset	43
Element ServiceDefaultsType / DefaultLocationSystem	43
Element ServiceDefaultsType / DefaultSystemOfUnits	43
Element ServiceDefaultsType / geographicOverviewFormats	44
Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat	44
Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / GeographicResourceFormatRef	44
Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / GeographicResourceFormat	45
Complex Type(s)	45
Complex Type ServiceDefaultsType	45
Simple Type(s)	45
Simple Type SystemOfUnits	45
Namespace: "http://www.apisim.fr/common/1.0/itinerary"	45
Schema(s)	45
Imported schema Itinerary.xsd	45
Element(s)	45
Element GeneralSectionGroup / Departure	45
Element EndPointType / TripStopPlace	46
Element EndPointType / DateTime	47
Element EndPointType / Extension	47
Element GeneralSectionGroup / Arrival	47
Element GeneralSectionGroup / Duration	47
Element GeneralSectionGroup / GeographicOverview	48
Element GeneralSectionGroup / GeographicOverview / GeographicResource	48
Element GeneralSectionGroup / GeographicOverview / GeographicResourceFormatRef	48
Element TripType / Distance	48
Element TripType / Disrupted	48
Element TripType / InterchangeNumber	49
Element TripType / CarFootprint	49
Element CarbonFootprintType / TripCO2	49
Element CarbonFootprintType / CarCO2	49
Element CarbonFootprintType / Ratio	50
Element TripType / sections	50
Element SectionType / PartialTripId	50
Element SectionType / PTRide	50
Element PTRideType / PublicTransportMode	52
Element PTRideType / CarPoolInformation	52
Element CarPoolInformationType / DetailedTripUrl	52
Element CarPoolInformationType / ProviderName	53
Element CarPoolInformationType / RoundTrip	53
Element PTRideType / ODTInformation	53
Element ODTInformationType / Url	53
Element ODTInformationType / BookingInformation	53
Element ODTInformationType / BookingInformation / Phone	54
Element ODTInformationType / BookingInformation / BookingMessage	54
Element ODTInformationType / BookingInformation / Language	54
Element PTRideType / Disrupted	54
Element PTRideType / AccessibilityNeedsProvided	55
Element PTRideType / isLastJourney	55
Element PTRideType / StopHeadSign	55
Element PTRideType / JourneyPatternName	55
Element PTRideType / Line	55
Element LineType / Name	56
Element LineType / Number	57
Element LineType / PublishedName	57
Element LineType / RegistrationNumber	57
Element LineType / Comment	57
Element PTRideType / GroupOfLine	57
Element GroupOfLineType / Name	58
Element PTRideType / PTNetwork	58
Element PTNetworkType / Name	59
Element PTNetworkType / VersionDate	59

Element PTNetworkType / RegistrationNumber	59
Element PTNetworkType / Comment	59
Element PTRideType / Company	59
Element CompanyType / Name	60
Element CompanyType / RegistrationNumber	60
Element CompanyType / ShortName	61
Element CompanyType / OrganisationalUnit	61
Element CompanyType / OperatingDepartementName	61
Element CompanyType / Phone	61
Element CompanyType / Code	62
Element CompanyType / Fax	62
Element CompanyType / Email	62
Element PTRideType / Distance	62
Element PTRideType / Comment	62
Element PTRideType / steps	63
Element StepType / Departure	63
Element StepEndPointType / PassThrough	64
Element StepType / Arrival	64
Element StepType / Geometry	64
Element StepType / Duration	66
Element StepType / Distance	66
Element StepType / GuidanceInfo	66
Element GuidanceInfoType / Instruction	66
Element GuidanceInfoType / Language	67
Element GuidanceInfoType / Extension	67
Element StepType / Extension	67
Element PTRideType / Extension	67
Element SectionType / Leg	67
Element LegType / pathLinks	68
Element PathLinkType / Departure	69
Element PathLinkType / Arrival	69
Element PathLinkType / Duration	70
Element PathLinkType / Distance	70
Element PathLinkType / Geometry	70
Element PathLinkType / GuidanceInfo	72
Element PathLinkType / Extension	72
Element LegType / SelfDriveMode	72
Element LegType / Extension	72
Simple Type(s)	73
Simple Type TransportModeEnumeration	73
Simple Type TripPartEnumeration	73
Simple Type PublicTransportModeEnumeration	73
Complex Type(s)	73
Complex Type TripType	73
Complex Type EndPointType	74
Complex Type EndPointExtensionType	74
Complex Type CarbonFootprintType	75
Complex Type SectionType	75
Complex Type PTRideType	75
Complex Type CarPoolInformationType	77
Complex Type ODTInformationType	77
Complex Type LineType	77
Complex Type GroupOfLineType	78
Complex Type PTNetworkType	78
Complex Type CompanyType	79
Complex Type StepType	80
Complex Type StepEndPointType	80
Complex Type GuidanceInfoType	80
Complex Type GuidanceInfoExtensionType	81
Complex Type StepExtensionType	81
Complex Type PTRideExtensionType	81
Complex Type LegType	81
Complex Type PathLinkType	82
Complex Type PathLinkExtensionType	82
Complex Type LegExtensionType	82
Complex Type StepEndPointExtensionType	82
Element Group(s)	82
Element Group GeneralSectionGroup	82
Namespace: "http://www.opengis.net/gml/3.2"	83
Schema(s)	83
Imported schema gml.xsd	83
Element(s)	83

Element <code>gml:metaDataProperty</code>	83
Element <code>gml:AbstractMetaData</code>	84
Element <code>gml:description</code>	84
Element <code>gml:descriptionReference</code>	85
Element <code>gml:identifier</code>	85
Element <code>gml:name</code>	86
Element <code>gml:pos</code>	86
Element <code>gml:pointProperty</code>	87
Element <code>gml:Point</code>	88
Element <code>gml:coordinates</code>	89
Element <code>gml:pointRep</code>	89
Element <code>gml:posList</code>	90
Element <code>gml:(dataSource</code>	91
Element <code>gml: dataSourceReference</code>	91
Element <code>gml:validTime</code>	92
Element <code>gml:AbstractTimePrimitive</code>	92
Element <code>gml:AbstractTimePrimitiveType</code> / <code>gml:relatedTime</code>	94
Element <code>gml:history</code>	94
Element <code>gml:AbstractTimeSlice</code>	95
Element <code>gml:DynamicFeature</code>	96
Element <code>gml:boundedBy</code>	99
Element <code>gml:Envelope</code>	99
Element <code>gml:EnvelopeType</code> / <code>gml:lowerCorner</code>	100
Element <code>gml:EnvelopeType</code> / <code>gml:upperCorner</code>	101
Element <code>gml:Null</code>	101
Element <code>gml:location</code>	101
Element <code>gml:AbstractGeometry</code>	102
Element <code>gml:LocationKeyWord</code>	104
Element <code>gml:LocationString</code>	105
Element <code>gml:DynamicFeatureCollection</code>	105
Element <code>gml:dynamicMembers</code>	107
Element <code>gml:AbstractFeature</code>	107
Element <code>gml:EnvelopeWithTimePeriod</code>	109
Element <code>gml:EnvelopeWithTimePeriodType</code> / <code>gml:beginPosition</code>	110
Element <code>gml:EnvelopeWithTimePeriodType</code> / <code>gml:endPosition</code>	111
Element <code>gml:locationName</code>	111
Element <code>gml:locationReference</code>	111
Element <code>gml:AbstractGeometricAggregate</code>	112
Element <code>gml:geometryMember</code>	114
Element <code>gml:geometryMembers</code>	115
Element <code>gml:MultiGeometry</code>	115
Element <code>gml:pointMember</code>	117
Element <code>gml:pointMembers</code>	117
Element <code>gml:MultiPoint</code>	118
Element <code>gml:curveMember</code>	120
Element <code>gml:AbstractCurve</code>	120
Element <code>gml:curveMembers</code>	122
Element <code>gml:MultiCurve</code>	122
Element <code>gml:surfaceMember</code>	124
Element <code>gml:AbstractSurface</code>	124
Element <code>gml:surfaceMembers</code>	126
Element <code>gml:MultiSurface</code>	126
Element <code>gml:solidMember</code>	128
Element <code>gml:AbstractSolid</code>	128
Element <code>gml:solidMembers</code>	130
Element <code>gml:MultiSolid</code>	130
Element <code>gml:segments</code>	132
Element <code>gml:AbstractCurveSegment</code>	132
Element <code>gml:Curve</code>	134
Element <code>gml:baseCurve</code>	136
Element <code>gml:OrientableCurve</code>	136
Element <code>gml:LineStringSegment</code>	138
Element <code>gml:ArcString</code>	138
Element <code>gml:Arc</code>	139
Element <code>gml:Circle</code>	141
Element <code>gml:ArcStringByBulgeType</code> / <code>gml:bulge</code>	143
Element <code>gml:ArcStringByBulgeType</code> / <code>gml:normal</code>	143
Element <code>gml:ArcStringByBulge</code>	143
Element <code>gml:ArcByBulgeType</code> / <code>gml:bulge</code>	144
Element <code>gml:ArcByBulgeType</code> / <code>gml:normal</code>	145
Element <code>gml:ArcByBulge</code>	145
Element <code>gml:ArcByCenterPointType</code> / <code>gml:radius</code>	147

Element <code>gml:ArcByCenterPointType</code> / <code>gml:startAngle</code>	147
Element <code>gml:ArcByCenterPointType</code> / <code>gml:endAngle</code>	147
Element <code>gml:ArcByCenterPoint</code>	148
Element <code>gml:CircleByCenterPointType</code> / <code>gml:radius</code>	149
Element <code>gml:CircleByCenterPoint</code>	150
Element <code>gml:CubicSplineType</code> / <code>gml:vectorAtStart</code>	152
Element <code>gml:CubicSplineType</code> / <code>gml:vectorAtEnd</code>	152
Element <code>gml:CubicSpline</code>	153
Element <code>gml:BSplineType</code> / <code>gml:degree</code>	153
Element <code>gml:BSplineType</code> / <code>gml:knot</code>	154
Element <code>gml:KnotPropertyType</code> / <code>gml:Knot</code>	154
Element <code>gml:KnotType</code> / <code>gml:value</code>	154
Element <code>gml:KnotType</code> / <code>gml:multiplicity</code>	154
Element <code>gml:KnotType</code> / <code>gml:weight</code>	155
Element <code>gml:BSpline</code>	155
Element <code>gml:BezierType</code> / <code>gml:degree</code>	156
Element <code>gml:BezierType</code> / <code>gml:knot</code>	157
Element <code>gml:Bezier</code>	157
Element <code>gml:OffsetCurveType</code> / <code>gml:offsetBase</code>	159
Element <code>gml:OffsetCurveType</code> / <code>gml:distance</code>	159
Element <code>gml:OffsetCurveType</code> / <code>gml:refDirection</code>	160
Element <code>gml:OffsetCurve</code>	160
Element <code>gml:AffinePlacementType</code> / <code>gml:location</code>	161
Element <code>gml:AffinePlacementType</code> / <code>gml:refDirection</code>	162
Element <code>gml:AffinePlacementType</code> / <code>gml:inDimension</code>	162
Element <code>gml:AffinePlacementType</code> / <code>gml:outDimension</code>	162
Element <code>gml:AffinePlacement</code>	162
Element <code>gml:ClothoidType</code> / <code>gml:refLocation</code>	163
Element <code>gml:ClothoidType</code> / <code>gml:scaleFactor</code>	163
Element <code>gml:ClothoidType</code> / <code>gml:startParameter</code>	163
Element <code>gml:ClothoidType</code> / <code>gml:endParameter</code>	163
Element <code>gml:Clothoid</code>	164
Element <code>gml:GeodesicString</code>	164
Element <code>gml:Geodesic</code>	165
Element <code>gml:patches</code>	166
Element <code>gml:AbstractSurfacePatch</code>	167
Element <code>gml:Surface</code>	168
Element <code>gml:baseSurface</code>	170
Element <code>gml:OrientableSurface</code>	171
Element <code>gml:exterior</code>	172
Element <code>gml:AbstractRing</code>	172
Element <code>gml:interior</code>	173
Element <code>gml:PolygonPatch</code>	173
Element <code>gml:Triangle</code>	174
Element <code>gml:Rectangle</code>	174
Element <code>gml:Ring</code>	175
Element <code>gml:PointGrid</code> / <code>gml:rows</code>	175
Element <code>gml:PointGrid</code> / <code>gml:rows</code> / <code>gml:Row</code>	175
Element <code>gml:AbstractParametricCurveSurface</code>	176
Element <code>gml:AbstractGriddedSurface</code>	177
Element <code>gml:Cone</code>	178
Element <code>gml:Cylinder</code>	178
Element <code>gml:Sphere</code>	179
Element <code>gml:PolyhedralSurface</code>	180
Element <code>gml:TriangulatedSurface</code>	182
Element <code>gml:TinType</code> / <code>gml:stopLines</code>	184
Element <code>gml:TinType</code> / <code>gml:breakLines</code>	184
Element <code>gml:TinType</code> / <code>gml:maxLength</code>	184
Element <code>gml:TinType</code> / <code>gml:controlPoint</code>	185
Element <code>gml:Tin</code>	185
Element <code>gml:solidProperty</code>	187
Element <code>gml:SolidType</code> / <code>gml:exterior</code>	187
Element <code>gml:Shell</code>	188
Element <code>gml:SolidType</code> / <code>gml:interior</code>	188
Element <code>gml:Solid</code>	189
Element <code>gml:surfaceProperty</code>	190
Element <code>gml:Polygon</code>	190
Element <code>gml:LinearRing</code>	192
Element <code>gml:vector</code>	192
Element <code>gml:AbstractGeometricPrimitive</code>	193
Element <code>gml:curveProperty</code>	195
Element <code>gml:LineString</code>	196

Element <code>gml:measure</code>	198
Element <code>gml:angle</code>	198
Element <code>gml:unitOfMeasure</code>	199
Element <code>gml:UnitDefinition</code>	199
Element <code>gml:remarks</code>	201
Element <code>gml:quantityType</code>	201
Element <code>gml:quantityTypeReference</code>	202
Element <code>gml:catalogSymbol</code>	202
Element <code>gml:BaseUnit</code>	203
Element <code>gml:BaseUnitType</code> / <code>gml:unitsSystem</code>	205
Element <code>gml:DerivedUnit</code>	205
Element <code>gml:derivationUnitTerm</code>	207
Element <code>gml:ConventionalUnit</code>	207
Element <code>gml:conversionToPreferredUnit</code>	209
Element <code>gml:ConversionToPreferredUnitType</code> / <code>gml:factor</code>	209
Element <code>gml:ConversionToPreferredUnitType</code> / <code>gml:formula</code>	209
Element <code>gml:FormulaType</code> / <code>gml:a</code>	210
Element <code>gml:FormulaType</code> / <code>gml:b</code>	210
Element <code>gml:FormulaType</code> / <code>gml:c</code>	210
Element <code>gml:FormulaType</code> / <code>gml:d</code>	210
Element <code>gml:roughConversionToPreferredUnit</code>	210
Element <code>gml:Definition</code>	211
Element <code>gml:Dictionary</code>	214
Element <code>gml:dictionaryEntry</code>	216
Element <code>gml:indirectEntry</code>	217
Element <code>gml:DefinitionProxy</code>	217
Element <code>gml:definitionRef</code>	219
Element <code>gml:AbstractObject</code>	219
Element <code>gml:AbstractGML</code>	225
Element <code>gml:abstractAssociationRole</code>	230
Element <code>gml:abstractStrictAssociationRole</code>	231
Element <code>gml:abstractReference</code>	231
Element <code>gml:abstractInlineProperty</code>	232
Element <code>gml:reversePropertyName</code>	232
Element <code>gml:targetElement</code>	233
Element <code>gml:associationName</code>	233
Element <code>gml:defaultCodeSpace</code>	233
Element <code>gml:gmProfileSchema</code>	233
Element <code>gml:AbstractTimeObject</code>	233
Element <code>gml:AbstractTimeComplex</code>	235
Element <code>gml:AbstractTimeGeometricPrimitive</code>	236
Element <code>gml:TimeInstant</code>	237
Element <code>gml:timePosition</code>	238
Element <code>gml:TimePeriod</code>	238
Element <code>gml:TimePeriodType</code> / <code>gml:beginPosition</code>	240
Element <code>gml:TimePeriodType</code> / <code>gml:begin</code>	240
Element <code>gml:TimePeriodType</code> / <code>gml:endPosition</code>	241
Element <code>gml:TimePeriodType</code> / <code>gml:end</code>	241
Element <code>gml:duration</code>	242
Element <code>gml:timeInterval</code>	242
Element <code>gml:direction</code>	243
Element <code>gml:DirectionPropertyType</code> / <code>gml:DirectionVector</code>	243
Element <code>gml:DirectionVectorType</code> / <code>gml:horizontalAngle</code>	243
Element <code>gml:DirectionVectorType</code> / <code>gml:verticalAngle</code>	244
Element <code>gml:DirectionPropertyType</code> / <code>gml:DirectionDescription</code>	244
Element <code>gml:DirectionDescriptionType</code> / <code>gml:compassPoint</code>	245
Element <code>gml:DirectionDescriptionType</code> / <code>gml:keyword</code>	245
Element <code>gml:DirectionDescriptionType</code> / <code>gml:description</code>	245
Element <code>gml:DirectionDescriptionType</code> / <code>gml:reference</code>	245
Element <code>gml:DirectionPropertyType</code> / <code>gml:CompassPoint</code>	246
Element <code>gml:DirectionPropertyType</code> / <code>gml:DirectionKeyword</code>	246
Element <code>gml:DirectionPropertyType</code> / <code>gml:DirectionString</code>	246
Element <code>gml:AbstractTopology</code>	247
Element <code>gml:AbstractTopoPrimitive</code>	249
Element <code>gml:Node</code>	250
Element <code>gml:NodeType</code> / <code>gml:container</code>	252
Element <code>gml:Face</code>	252
Element <code>gml:FaceType</code> / <code>gml:isolated</code>	254
Element <code>gml:directedEdge</code>	255
Element <code>gml:Edge</code>	255
Element <code>gml:EdgeType</code> / <code>gml:container</code>	257
Element <code>gml:TopoSolid</code>	257

Element <code>gml:TopoSolidType</code> / <code>gml:isolated</code>	259
Element <code>gml:directedFace</code>	259
Element <code>gml:directedNode</code>	260
Element <code>gml:directedTopoSolid</code>	261
Element <code>gml:TopoPoint</code>	262
Element <code>gml:topoPointProperty</code>	263
Element <code>gml:TopoCurve</code>	263
Element <code>gml:topoCurveProperty</code>	264
Element <code>gml:TopoSurface</code>	265
Element <code>gml:topoSurfaceProperty</code>	266
Element <code>gml:TopoVolume</code>	267
Element <code>gml:topoVolumeProperty</code>	268
Element <code>gml:maximalComplex</code>	269
Element <code>gml:TopoComplex</code>	269
Element <code>gml:superComplex</code>	271
Element <code>gml:subComplex</code>	271
Element <code>gml:topoPrimitiveMember</code>	272
Element <code>gml:topoPrimitiveMembers</code>	273
Element <code>gml:GeometricComplexType</code> / <code>gml:element</code>	273
Element <code>gml:GeometricComplex</code>	274
Element <code>gml:CompositeCurve</code>	276
Element <code>gml:CompositeSurface</code>	278
Element <code>gml:CompositeSolid</code>	280
Element <code>gml:domainSet</code>	282
Element <code>gml:rangeSet</code>	283
Element <code>gml:ValueArray</code>	283
Element <code>gml:valueComponent</code>	285
Element <code>gml:AbstractValue</code>	285
Element <code>gml:valueComponents</code>	287
Element <code>gml:AbstractScalarValueList</code>	287
Element <code>gml:DataBlock</code>	288
Element <code>gml:rangeParameters</code>	289
Element <code>gml:tupleList</code>	289
Element <code>gml:doubleOrNilReasonTupleList</code>	290
Element <code>gml:File</code>	290
Element <code>gml:FileType</code> / <code>gml:fileName</code>	291
Element <code>gml:FileType</code> / <code>gml:fileReference</code>	291
Element <code>gml:FileType</code> / <code>gml:fileStructure</code>	291
Element <code>gml:FileType</code> / <code>gml:mimeType</code>	291
Element <code>gml:FileType</code> / <code>gml:compression</code>	291
Element <code>gml:AbstractCoverage</code>	292
Element <code>gml:coverageFunction</code>	294
Element <code>gml:MappingRule</code>	294
Element <code>gml:CovarianceMappingRule</code>	295
Element <code>gml:MappingRuleType</code> / <code>gml:ruleDefinition</code>	295
Element <code>gml:MappingRuleType</code> / <code>gml:ruleReference</code>	295
Element <code>gml:GridFunction</code>	296
Element <code>gml:GridFunctionType</code> / <code>gml:sequenceRule</code>	297
Element <code>gml:GridFunctionType</code> / <code>gml:startPoint</code>	297
Element <code>gml:AbstractDiscreteCoverage</code>	297
Element <code>gml:AbstractContinuousCoverage</code>	299
Element <code>gml:MultiPointCoverage</code>	301
Element <code>gml:MultiCurveCoverage</code>	302
Element <code>gml:MultiSurfaceCoverage</code>	304
Element <code>gml:MultiSolidCoverage</code>	306
Element <code>gml:GridCoverage</code>	308
Element <code>gml:RectifiedGridCoverage</code>	310
Element <code>gml:Boolean</code>	311
Element <code>gml:BooleanList</code>	311
Element <code>gml:Category</code>	311
Element <code>gml:CategoryList</code>	312
Element <code>gml:Count</code>	313
Element <code>gml:CountList</code>	313
Element <code>gml:Quantity</code>	313
Element <code>gml:QuantityList</code>	314
Element <code>gml:AbstractScalarValue</code>	315
Element <code>gml:valueProperty</code>	315
Element <code>gml:CompositeValue</code>	316
Element <code>gml:CategoryExtent</code>	318
Element <code>gml:CountExtent</code>	318
Element <code>gml:QuantityExtent</code>	318
Element <code>gml:Grid</code>	319

Element <code>gml:GridType</code> / <code>gml:limits</code>	321
Element <code>gml:GridLimitsType</code> / <code>gml:GridEnvelope</code>	321
Element <code>gml:GridEnvelopeType</code> / <code>gml:low</code>	321
Element <code>gml:GridEnvelopeType</code> / <code>gml:high</code>	321
Element <code>gml:GridType</code> / <code>gml:axisLabels</code>	321
Element <code>gml:GridType</code> / <code>gml:axisName</code>	322
Element <code>gml:AbstractImplicitGeometry</code>	322
Element <code>gml:RectifiedGrid</code>	324
Element <code>gml:RectifiedGridType</code> / <code>gml:origin</code>	326
Element <code>gml:RectifiedGridType</code> / <code>gml:offsetVector</code>	326
Element <code>gml:AbstractSingleCRS</code>	327
Element <code>gml:domainOfValidity</code>	329
Element <code>gml:scope</code>	329
Element <code>gml:AbstractGeneralDerivedCRS</code>	330
Element <code>gml:conversion</code>	332
Element <code>gml:AbstractGeneralConversion</code>	332
Element <code>gml:operationVersion</code>	335
Element <code>gml:coordinateOperationAccuracy</code>	335
Element <code>gml:sourceCRS</code>	336
Element <code>gml:AbstractCRS</code>	336
Element <code>gml:targetCRS</code>	338
Element <code>gml:CompoundCRS</code>	339
Element <code>gml:componentReferenceSystem</code>	341
Element <code>gml:GeodeticCRS</code>	341
Element <code>gml:ellipsoidalCS</code>	343
Element <code>gml:EllipsoidalCS</code>	343
Element <code>gml:axis</code>	345
Element <code>gml:CoordinateSystemAxis</code>	345
Element <code>gml:axisAbbrev</code>	348
Element <code>gml:axisDirection</code>	348
Element <code>gml:minimumValue</code>	349
Element <code>gml:maximumValue</code>	349
Element <code>gml:rangeMeaning</code>	350
Element <code>gml:cartesianCS</code>	350
Element <code>gml:CartesianCS</code>	351
Element <code>gml:sphericalCS</code>	353
Element <code>gml:SphericalCS</code>	353
Element <code>gml:geodeticDatum</code>	355
Element <code>gml:GeodeticDatum</code>	355
Element <code>gml:anchorDefinition</code>	357
Element <code>gml:realizationEpoch</code>	357
Element <code>gml:primeMeridian</code>	358
Element <code>gml:PrimeMeridian</code>	358
Element <code>gml:greenwichLongitude</code>	359
Element <code>gml:ellipsoid</code>	360
Element <code>gml:Ellipsoid</code>	360
Element <code>gml:semiMajorAxis</code>	361
Element <code>gml:secondDefiningParameter</code>	362
Element <code>gml:SecondDefiningParameter</code>	362
Element <code>gml:SecondDefiningParameter</code> / <code>gml:inverseFlattening</code>	362
Element <code>gml:SecondDefiningParameter</code> / <code>gml:semiMinorAxis</code>	362
Element <code>gml:SecondDefiningParameter</code> / <code>gml:isSphere</code>	363
Element <code>gml:VerticalCRS</code>	363
Element <code>gml:verticalCS</code>	365
Element <code>gml:VerticalCS</code>	365
Element <code>gml:verticalDatum</code>	367
Element <code>gml:VerticalDatum</code>	367
Element <code>gml:ProjectedCRS</code>	369
Element <code>gml:baseGeodeticCRS</code>	371
Element <code>gml:baseGeographicCRS</code>	371
Element <code>gml:GeographicCRS</code>	372
Element <code>gml:usesEllipsoidalCS</code>	374
Element <code>gml:usesGeodeticDatum</code>	374
Element <code>gml:DerivedCRS</code>	375
Element <code>gml:baseCRS</code>	377
Element <code>gml:derivedCRSType</code>	377
Element <code>gml:coordinateSystem</code>	378
Element <code>gml:AbstractCoordinateSystem</code>	379
Element <code>gml:EngineeringCRS</code>	381
Element <code>gml:affineCS</code>	383
Element <code>gml:AffineCS</code>	383
Element <code>gml:cylindricalCS</code>	385

Element <i>gml:CylindricalCS</i>	385
Element <i>gml:linearCS</i>	387
Element <i>gml:LinearCS</i>	387
Element <i>gml:polarCS</i>	389
Element <i>gml:PolarCS</i>	389
Element <i>gml:userDefinedCS</i>	391
Element <i>gml:UserDefinedCS</i>	391
Element <i>gml:engineeringDatum</i>	393
Element <i>gml:EngineeringDatum</i>	393
Element <i>gml:ImageCRS</i>	395
Element <i>gml:usesObliqueCartesianCS</i>	397
Element <i>gml:ObliqueCartesianCS</i>	397
Element <i>gml:imageDatum</i>	399
Element <i>gml:ImageDatum</i>	399
Element <i>gml:pixelInCell</i>	401
Element <i>gml:TemporalCRS</i>	401
Element <i>gml:timeCS</i>	403
Element <i>gml:TimeCS</i>	403
Element <i>gml:usesTemporalCS</i>	405
Element <i>gml:TemporalCS</i>	405
Element <i>gml:temporalDatum</i>	407
Element <i>gml:TemporalDatum</i>	407
Element <i>gml:origin</i>	409
Element <i>gml:AbstractDatum</i>	409
Element <i>gml:AbstractCoordinateOperation</i>	411
Element <i>gml:AbstractSingleOperation</i>	413
Element <i>gml:AbstractGeneralTransformation</i>	415
Element <i>gml:ConcatenatedOperation</i>	417
Element <i>gml:coordOperation</i>	419
Element <i>gml:PassThroughOperation</i>	419
Element <i>gml:modifiedCoordinate</i>	422
Element <i>gml:Conversion</i>	422
Element <i>gml:method</i>	424
Element <i>gml:OperationMethod</i>	424
Element <i>gml:formulaCitation</i>	426
Element <i>gml:formula</i>	426
Element <i>gml:sourceDimensions</i>	427
Element <i>gml:targetDimensions</i>	427
Element <i>gml:parameter</i>	427
Element <i>gml:AbstractGeneralOperationParameter</i>	428
Element <i>gml:minimumOccurs</i>	430
Element <i>gml:parameterValue</i>	430
Element <i>gml:AbstractGeneralParameterValue</i>	430
Element <i>gml:Transformation</i>	431
Element <i>gml:ParameterValue</i>	433
Element <i>gml:value</i>	433
Element <i>gml:dmsAngleValue</i>	434
Element <i>gml:degrees</i>	434
Element <i>gml:decimalMinutes</i>	434
Element <i>gml:minutes</i>	434
Element <i>gml:seconds</i>	434
Element <i>gml:stringValue</i>	434
Element <i>gml:integerValue</i>	435
Element <i>gml:booleanValue</i>	435
Element <i>gml:valueList</i>	435
Element <i>gml:integerValueList</i>	436
Element <i>gml:valueFile</i>	436
Element <i>gml:operationParameter</i>	436
Element <i>gml:OperationParameter</i>	438
Element <i>gml:ParameterValueGroup</i>	440
Element <i>gml:group</i>	440
Element <i>gml:OperationParameterGroup</i>	441
Element <i>gml:maximumOccurs</i>	443
Element <i>gml:Observation</i>	443
Element <i>gml:using</i>	445
Element <i>gml:target</i>	445
Element <i>gml:resultOf</i>	446
Element <i>gml:subject</i>	447
Element <i>gml:DirectedObservation</i>	448
Element <i>gml:DirectedObservationAtDistance</i>	450
Element <i>gml:DirectedObservationAtDistanceType / gml:distance</i>	452
Element <i>gml:TimeReferenceSystem</i>	452

Element <code>gml:TimeReferenceSystemType</code> / <code>gml:domainOfValidity</code>	454
Element <code>gml:TimeCoordinateSystem</code>	454
Element <code>gml:TimeCoordinateSystemType</code> / <code>gml:originPosition</code>	456
Element <code>gml:TimeCoordinateSystemType</code> / <code>gml:origin</code>	456
Element <code>gml:TimeCoordinateSystemType</code> / <code>gml:interval</code>	457
Element <code>gml:TimeCalendar</code>	457
Element <code>gml:TimeCalendarType</code> / <code>gml:referenceFrame</code>	459
Element <code>gml:TimeCalendarEra</code>	459
Element <code>gml:TimeCalendarEraType</code> / <code>gml:referenceEvent</code>	461
Element <code>gml:TimeCalendarEraType</code> / <code>gml:referenceDate</code>	461
Element <code>gml:TimeCalendarEraType</code> / <code>gml:julianReference</code>	461
Element <code>gml:TimeCalendarEraType</code> / <code>gml:epochOfUse</code>	461
Element <code>gml:TimeClock</code>	462
Element <code>gml:TimeClockType</code> / <code>gml:referenceEvent</code>	464
Element <code>gml:TimeClockType</code> / <code>gml:referenceTime</code>	464
Element <code>gml:TimeClockType</code> / <code>gml:utcReference</code>	464
Element <code>gml:TimeClockType</code> / <code>gml:dateBasis</code>	465
Element <code>gml:TimeOrdinalReferenceSystem</code>	465
Element <code>gml:TimeOrdinalReferenceSystemType</code> / <code>gml:component</code>	467
Element <code>gml:TimeOrdinalEra</code>	467
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:relatedTime</code>	469
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:start</code>	469
Element <code>gml:TimeNode</code>	470
Element <code>gml:AbstractTimeTopologyPrimitiveType</code> / <code>gml:complex</code>	471
Element <code>gml:TimeNodeType</code> / <code>gml:previousEdge</code>	472
Element <code>gml:TimeEdge</code>	473
Element <code>gml:TimeEdgeType</code> / <code>gml:start</code>	474
Element <code>gml:TimeEdgeType</code> / <code>gml:end</code>	475
Element <code>gml:TimeEdgeType</code> / <code>gml:extent</code>	476
Element <code>gml:TimeNodeType</code> / <code>gml:nextEdge</code>	476
Element <code>gml:TimeNodeType</code> / <code>gml:position</code>	477
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:end</code>	478
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:extent</code>	478
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:member</code>	479
Element <code>gml:TimeOrdinalEraType</code> / <code>gml:group</code>	480
Element <code>gml:AbstractTimeTopologyPrimitive</code>	480
Element <code>gml:TimeTopologyComplex</code>	482
Element <code>gml:TimeTopologyComplexType</code> / <code>gml:primitive</code>	483
Element <code>gml:anchorPoint</code>	483
Element <code>gml:datumRef</code>	484
Element <code>gml:usesPrimeMeridian</code>	484
Element <code>gml:usesEllipsoid</code>	485
Element <code>gml:geodeticDatumRef</code>	486
Element <code>gml:ellipsoidRef</code>	487
Element <code>gml:primeMeridianRef</code>	487
Element <code>gml:engineeringDatumRef</code>	488
Element <code>gml:imageDatumRef</code>	489
Element <code>gml:verticalDatumRef</code>	489
Element <code>gml:temporalDatumRef</code>	490
Element <code>gml:coordinateOperationRef</code>	490
Element <code>gml:singleOperationRef</code>	491
Element <code>gml:AbstractOperation</code>	492
Element <code>gml:operationRef</code>	494
Element <code>gml:generalConversionRef</code>	494
Element <code>gml:generalTransformationRef</code>	495
Element <code>gml:usesSingleOperation</code>	496
Element <code>gml:concatenatedOperationRef</code>	496
Element <code>gml:usesOperation</code>	497
Element <code>gml:passThroughOperationRef</code>	497
Element <code>gml:usesMethod</code>	498
Element <code>gml:usesValue</code>	499
Element <code>gml:conversionRef</code>	499
Element <code>gml:transformationRef</code>	500
Element <code>gml:valueOfParameter</code>	500
Element <code>gml:includesValue</code>	501
Element <code>gml:valuesOfGroup</code>	502
Element <code>gml:methodFormula</code>	502
Element <code>gml:usesParameter</code>	503
Element <code>gml:operationMethodRef</code>	504
Element <code>gml:abstractGeneralOperationParameterRef</code>	504
Element <code>gml:operationParameterRef</code>	505
Element <code>gml:includesParameter</code>	505

Element <code>gml:operationParameterGroupRef</code>	506
Element <code>gml:referenceSystemRef</code>	507
Element <code>gml:crsRef</code>	507
Element <code>gml:coordinateSystemAxisRef</code>	508
Element <code>gml:usesAxis</code>	509
Element <code>gml:coordinateSystemRef</code>	509
Element <code>gml:ellipsoidalCSRef</code>	510
Element <code>gml:cartesianCSRef</code>	511
Element <code>gml:verticalCSRef</code>	511
Element <code>gml:temporalCSRef</code>	512
Element <code>gml:linearCSRef</code>	512
Element <code>gml:userDefinedCSRef</code>	513
Element <code>gml:sphericalCSRef</code>	513
Element <code>gml:polarCSRef</code>	514
Element <code>gml:cylindricalCSRef</code>	515
Element <code>gml:obliqueCartesianCSRef</code>	515
Element <code>gml:singleCRSRef</code>	516
Element <code>gml:definedByConversion</code>	516
Element <code>gml:includesSingleCRS</code>	517
Element <code>gml:compoundCRSRef</code>	518
Element <code>gml:usesCartesianCS</code>	518
Element <code>gml:usesSphericalCS</code>	519
Element <code>gml:usesVerticalCS</code>	520
Element <code>gml:usesVerticalDatum</code>	521
Element <code>gml:verticalCRSRef</code>	522
Element <code>gml:projectedCRSRef</code>	523
Element <code>gml:usesCS</code>	523
Element <code>gml:derivedCRSRef</code>	524
Element <code>gml:usesEngineeringDatum</code>	525
Element <code>gml:engineeringCRSRef</code>	525
Element <code>gml:usesAffineCS</code>	526
Element <code>gml:usesImageDatum</code>	527
Element <code>gml:imageCRSRef</code>	527
Element <code>gml:usesTimeCS</code>	528
Element <code>gml:usesTemporalDatum</code>	529
Element <code>gml:temporalCRSRef</code>	529
Element <code>gml:geographicCRSRef</code>	530
Element <code>gml:GeocentricCRS</code>	531
Element <code>gml:geocentricCRSRef</code>	533
Element <code>gml:dmsAngle</code>	533
Element <code>gml:member</code>	533
Element <code>gml:members</code>	534
Element <code>gml:Bag</code>	534
Element <code>gml:Array</code>	535
Element <code>gml:GenericMetaData</code>	536
Element <code>gml:priorityLocation</code>	537
Element <code>gml:featureMember</code>	538
Element <code>gml:featureProperty</code>	538
Element <code>gml:featureMembers</code>	539
Element <code>gml:AbstractFeatureCollection</code>	539
Element <code>gml:FeatureCollection</code>	540
Element <code>gml:track</code>	541
Element <code>gml:DefinitionCollection</code>	542
Element <code>gml:definitionMember</code>	544
Element <code>gml:centerOf</code>	545
Element <code>gml:position</code>	545
Element <code>gml:extentOf</code>	546
Element <code>gml:edgeOf</code>	547
Element <code>gml:centerLineOf</code>	547
Element <code>gml:multiLocation</code>	548
Element <code>gml:multiCenterOf</code>	549
Element <code>gml:multiPosition</code>	549
Element <code>gml:multiCenterLineOf</code>	550
Element <code>gml:multiEdgeOf</code>	551
Element <code>gml:multiCoverage</code>	551
Element <code>gml:multiExtentOf</code>	552
Element <code>gml:polygonPatches</code>	553
Element <code>gml:trianglePatches</code>	553
Element <code>gml:multiPointDomain</code>	554
Element <code>gml:multiCurveDomain</code>	554
Element <code>gml:multiSurfaceDomain</code>	555
Element <code>gml:multiSolidDomain</code>	556

Element <code>gml:gridDomain</code>	557
Element <code>gml:rectifiedGridDomain</code>	558
Element <code>gml:generalOperationParameter</code>	559
Element <code>gml:MovingObjectStatus</code>	560
Element <code>gml:MovingObjectStatusType</code> / <code>gml:position</code>	562
Element <code>gml:MovingObjectStatusType</code> / <code>gml:speed</code>	562
Element <code>gml:MovingObjectStatusType</code> / <code>gml:bearing</code>	563
Element <code>gml:MovingObjectStatusType</code> / <code>gml:acceleration</code>	564
Element <code>gml:MovingObjectStatusType</code> / <code>gml:elevation</code>	564
Element <code>gml:status</code>	564
Element <code>gml:statusReference</code>	565
Element <code>gml:topoComplexProperty</code>	565
Element <code>gml:multiPointProperty</code>	566
Element <code>gml:multiCurveProperty</code>	567
Element <code>gml:multiSurfaceProperty</code>	567
Element <code>gml:multiSolidProperty</code>	568
Element <code>gml:multiGeometryProperty</code>	569
Element <code>gml:pointArrayProperty</code>	569
Element <code>gml:curveArrayProperty</code>	570
Element <code>gml:surfaceArrayProperty</code>	570
Element <code>gml:solidArrayProperty</code>	571
Complex Type(s)	571
Complex Type <code>gml:LineStringType</code>	571
Complex Type <code>gml:AbstractCurveType</code>	573
Complex Type <code>gml:AbstractGeometricPrimitiveType</code>	573
Complex Type <code>gml:AbstractGeometryType</code>	574
Complex Type <code>gml:AbstractGMLType</code>	575
Complex Type <code>gml:MetaDataPropertyType</code>	576
Complex Type <code>gml:AbstractMetaDataType</code>	577
Complex Type <code>gml:StringOrRefType</code>	577
Complex Type <code>gml:ReferenceType</code>	577
Complex Type <code>gml:CodeWithAuthorityType</code>	578
Complex Type <code>gml:CodeType</code>	578
Complex Type <code>gml:DirectPositionType</code>	579
Complex Type <code>gml:PointPropertyType</code>	579
Complex Type <code>gml:PointType</code>	580
Complex Type <code>gml:CoordinatesType</code>	581
Complex Type <code>gml:DirectPositionListType</code>	581
Complex Type <code>gml:TimePrimitivePropertyType</code>	582
Complex Type <code>gml:AbstractTimePrimitiveType</code>	582
Complex Type <code>gml:AbstractTimeObjectType</code>	583
Complex Type <code>gml:RelatedTimeType</code>	584
Complex Type <code>gml:HistoryPropertyType</code>	585
Complex Type <code>gml:AbstractTimeSliceType</code>	585
Complex Type <code>gml:DynamicFeatureType</code>	586
Complex Type <code>gml:AbstractFeatureType</code>	587
Complex Type <code>gml:BoundingShapeType</code>	588
Complex Type <code>gml:EnvelopeType</code>	588
Complex Type <code>gml:LocationPropertyType</code>	589
Complex Type <code>gml:DynamicFeatureCollectionType</code>	589
Complex Type <code>gml:DynamicFeatureMemberType</code>	590
Complex Type <code>gml:AbstractFeatureMemberType</code>	591
Complex Type <code>gml:FeaturePropertyType</code>	591
Complex Type <code>gml:EnvelopeWithTimePeriodType</code>	592
Complex Type <code>gml:TimePositionType</code>	593
Complex Type <code>gml:AbstractGeometricAggregateType</code>	593
Complex Type <code>gml:MultiGeometryType</code>	594
Complex Type <code>gml:GeometryPropertyType</code>	596
Complex Type <code>gml:GeometryArrayPropertyType</code>	596
Complex Type <code>gml:MultiGeometryPropertyType</code>	596
Complex Type <code>gml:MultiPointType</code>	597
Complex Type <code>gml:PointArrayPropertyType</code>	599
Complex Type <code>gml:MultiPointPropertyType</code>	599
Complex Type <code>gml:MultiCurveType</code>	599
Complex Type <code>gml:CurvePropertyType</code>	601
Complex Type <code>gml:CurveArrayPropertyType</code>	601
Complex Type <code>gml:MultiCurvePropertyType</code>	601
Complex Type <code>gml:MultiSurfaceType</code>	602
Complex Type <code>gml:SurfacePropertyType</code>	604
Complex Type <code>gml:AbstractSurfaceType</code>	604
Complex Type <code>gml:SurfaceArrayPropertyType</code>	605
Complex Type <code>gml:MultiSurfacePropertyType</code>	606

Complex Type gml:MultiSolidType	606
Complex Type gml:Solid.PropertyType	608
Complex Type gml:AbstractSolidType	608
Complex Type gml:SolidArray.PropertyType	609
Complex Type gml:MultiSolid.PropertyType	610
Complex Type gml:CurveType	610
Complex Type gml:CurveSegmentArray.PropertyType	611
Complex Type gml:AbstractCurveSegmentType	612
Complex Type gml:OrientableCurveType	612
Complex Type gml:LineStringSegmentType	613
Complex Type gml:ArcStringType	614
Complex Type gml:ArcType	615
Complex Type gml:CircleType	615
Complex Type gml:ArcStringByBulgeType	616
Complex Type gml:VectorType	617
Complex Type gml:ArcByBulgeType	618
Complex Type gml:ArcByCenterPointType	618
Complex Type gml:LengthType	619
Complex Type gml:MeasureType	620
Complex Type gml:AngleType	620
Complex Type gml:CircleByCenterPointType	620
Complex Type gml:CubicSplineType	621
Complex Type gml:BSplineType	622
Complex Type gml:Knot.PropertyType	623
Complex Type gml:KnotType	623
Complex Type gml:BezierType	623
Complex Type gml:OffsetCurveType	624
Complex Type gml:AffinePlacementType	625
Complex Type gml:ClothoidType	625
Complex Type gml:GeodesicStringType	626
Complex Type gml:GeodesicType	626
Complex Type gml:SurfaceType	627
Complex Type gml:SurfacePatchArray.PropertyType	628
Complex Type gml:AbstractSurfacePatchType	629
Complex Type gml:OrientableSurfaceType	629
Complex Type gml:PolygonPatchType	630
Complex Type gml:AbstractRing.PropertyType	630
Complex Type gml:AbstractRingType	630
Complex Type gml:TriangleType	630
Complex Type gml:RectangleType	631
Complex Type gml:RingType	631
Complex Type gml:Ring.PropertyType	631
Complex Type gml:AbstractParametricCurveSurfaceType	632
Complex Type gml:AbstractGriddedSurfaceType	632
Complex Type gml:ConeType	632
Complex Type gml:CylinderType	633
Complex Type gml:SphereType	634
Complex Type gml:TimType	635
Complex Type gml:LineStringSegmentArray.PropertyType	637
Complex Type gml:SolidType	637
Complex Type gml:Shell.PropertyType	638
Complex Type gml:ShellType	638
Complex Type gml:PolygonType	638
Complex Type gml:LinearRingType	640
Complex Type gml:LinearRing.PropertyType	640
Complex Type gml:GeometricPrimitive.PropertyType	640
Complex Type gml:ScaleType	641
Complex Type gml:TimeType	641
Complex Type gml:GridLengthType	641
Complex Type gml:AreaType	642
Complex Type gml:VolumeType	642
Complex Type gml:SpeedType	642
Complex Type gml:UnitOfMeasureType	643
Complex Type gml:UnitDefinitionType	643
Complex Type gml:DefinitionType	645
Complex Type gml:DefinitionBaseType	646
Complex Type gml:BaseUnitType	647
Complex Type gml:DerivedUnitType	649
Complex Type gml:DerivationUnitTermType	651
Complex Type gml:ConventionalUnitType	651
Complex Type gml:ConversionToPreferredUnitType	653
Complex Type gml:FormulaType	653

Complex Type <code>gml:DictionaryType</code>	653
Complex Type <code>gml:DictionaryEntryType</code>	655
Complex Type <code>gml:AbstractMemberType</code>	655
Complex Type <code>gml:IndirectEntryType</code>	656
Complex Type <code>gml:DefinitionProxyType</code>	656
Complex Type <code>gml:AssociationRoleType</code>	657
Complex Type <code>gml:InlinePropertyType</code>	658
Complex Type <code>gml:AbstractMetadataPropertyType</code>	658
Complex Type <code>gml:CodeListType</code>	659
Complex Type <code>gml:CodeOrNilReasonListType</code>	659
Complex Type <code>gml:MeasureListType</code>	659
Complex Type <code>gml:MeasureOrNilReasonListType</code>	659
Complex Type <code>gml:AbstractTimeComplexType</code>	660
Complex Type <code>gml:AbstractTimeGeometricPrimitiveType</code>	660
Complex Type <code>gml:TimeInstantType</code>	661
Complex Type <code>gml:TimeInstantPropertyType</code>	662
Complex Type <code>gml:TimePeriodType</code>	663
Complex Type <code>gml:TimeIntervalLengthType</code>	664
Complex Type <code>gml:TimePeriodPropertyType</code>	665
Complex Type <code>gml:DirectionPropertyType</code>	665
Complex Type <code>gml:DirectionVectorType</code>	666
Complex Type <code>gml:DirectionDescriptionType</code>	666
Complex Type <code>gml:AbstractTopologyType</code>	666
Complex Type <code>gml:AbstractTopoPrimitiveType</code>	667
Complex Type <code>gml:NodeOrEdgePropertyType</code>	668
Complex Type <code>gml:NodeType</code>	669
Complex Type <code>gml:FaceOrTopoSolidPropertyType</code>	670
Complex Type <code>gml:FaceType</code>	670
Complex Type <code>gml:NodePropertyType</code>	672
Complex Type <code>gml:DirectedEdgePropertyType</code>	672
Complex Type <code>gml:EdgeType</code>	673
Complex Type <code>gml:TopoSolidPropertyType</code>	674
Complex Type <code>gml:TopoSolidType</code>	675
Complex Type <code>gml:DirectedFacePropertyType</code>	677
Complex Type <code>gml:DirectedNodePropertyType</code>	677
Complex Type <code>gml:DirectedTopoSolidPropertyType</code>	678
Complex Type <code>gml:TopoPointType</code>	678
Complex Type <code>gml:TopoPointPropertyType</code>	679
Complex Type <code>gml:TopoCurveType</code>	679
Complex Type <code>gml:TopoCurvePropertyType</code>	680
Complex Type <code>gml:TopoSurfaceType</code>	681
Complex Type <code>gml:TopoSurfacePropertyType</code>	681
Complex Type <code>gml:TopoVolumeType</code>	682
Complex Type <code>gml:TopoVolumePropertyType</code>	683
Complex Type <code>gml:TopoComplexType</code>	683
Complex Type <code>gml:TopoComplexPropertyType</code>	685
Complex Type <code>gml:TopoPrimitiveMemberType</code>	685
Complex Type <code>gml:TopoPrimitiveArrayType</code>	686
Complex Type <code>gml:GeometricComplexType</code>	686
Complex Type <code>gml:GeometricComplexPropertyType</code>	687
Complex Type <code>gml:CompositeCurveType</code>	687
Complex Type <code>gml:CompositeSurfaceType</code>	688
Complex Type <code>gml:CompositeSolidType</code>	690
Complex Type <code>gml:AbstractCoverageType</code>	691
Complex Type <code>gml:DomainSetType</code>	691
Complex Type <code>gml:RangeSetType</code>	692
Complex Type <code>gml:ValueArrayType</code>	692
Complex Type <code>gml:CompositeValueType</code>	693
Complex Type <code>gml:ValuePropertyType</code>	694
Complex Type <code>gml:ValueArrayPropertyType</code>	695
Complex Type <code>gml:DataBlockType</code>	696
Complex Type <code>gml:FileType</code>	696
Complex Type <code>gml:DiscreteCoverageType</code>	696
Complex Type <code>gml:CovarianceFunctionType</code>	697
Complex Type <code>gml:MappingRuleType</code>	698
Complex Type <code>gml:GridFunctionType</code>	698
Complex Type <code>gml:SequenceRuleType</code>	698
Complex Type <code>gml:AbstractContinuousCoverageType</code>	698
Complex Type <code>gml:CategoryExtentType</code>	699
Complex Type <code>gml:QuantityExtentType</code>	700
Complex Type <code>gml:BooleanPropertyType</code>	700
Complex Type <code>gml:CategoryPropertyType</code>	701

Complex Type <code>gml:QuantityPropertyType</code>	701
Complex Type <code>gml:CountPropertyType</code>	701
Complex Type <code>gml:GridType</code>	702
Complex Type <code>gml:GridLimitsType</code>	703
Complex Type <code>gml:GridEnvelopeType</code>	704
Complex Type <code>gml:RectifiedGridType</code>	704
Complex Type <code>gml:AbstractCRSType</code>	705
Complex Type <code>gml:IdentifiedObjectType</code>	707
Complex Type <code>gml:SingleCRSPROPERTYType</code>	708
Complex Type <code>gml:AbstractGeneralDerivedCRSType</code>	709
Complex Type <code>gml:GeneralConversionPROPERTYType</code>	711
Complex Type <code>gml:AbstractGeneralConversionType</code>	711
Complex Type <code>gml:AbstractCoordinateOperationType</code>	713
Complex Type <code>gml:CRSPROPERTYType</code>	715
Complex Type <code>gml:CompoundCRSType</code>	715
Complex Type <code>gml:CompoundCRSPROPERTYType</code>	717
Complex Type <code>gml:GeodeticCRSType</code>	717
Complex Type <code>gml:EllipsoidalCSPROPERTYType</code>	719
Complex Type <code>gml:EllipsoidalCSType</code>	719
Complex Type <code>gml:AbstractCoordinateSystemType</code>	721
Complex Type <code>gml:CoordinateSystemAxisPROPERTYType</code>	723
Complex Type <code>gml:CoordinateSystemAxisType</code>	723
Complex Type <code>gml:CartesianCSPROPERTYType</code>	725
Complex Type <code>gml:CartesianCSType</code>	725
Complex Type <code>gml:SphericalCSPROPERTYType</code>	727
Complex Type <code>gml:SphericalCSType</code>	727
Complex Type <code>gml:GeodeticDatumPROPERTYType</code>	729
Complex Type <code>gml:GeodeticDatumType</code>	729
Complex Type <code>gml:AbstractDatumType</code>	731
Complex Type <code>gml:PrimeMeridianPROPERTYType</code>	733
Complex Type <code>gml:PrimeMeridianType</code>	733
Complex Type <code>gml:EllipsoidPROPERTYType</code>	735
Complex Type <code>gml:EllipsoidType</code>	735
Complex Type <code>gml:GeodeticCRSPROPERTYType</code>	737
Complex Type <code>gml:VerticalCRSType</code>	737
Complex Type <code>gml:VerticalCSPROPERTYType</code>	739
Complex Type <code>gml:VerticalCSType</code>	739
Complex Type <code>gml:VerticalDatumPROPERTYType</code>	741
Complex Type <code>gml:VerticalDatumType</code>	741
Complex Type <code>gml:VerticalCRSPROPERTYType</code>	743
Complex Type <code>gml:ProjectedCRSType</code>	743
Complex Type <code>gml:GeographicCRSPROPERTYType</code>	745
Complex Type <code>gml:GeographicCRSType</code>	745
Complex Type <code>gml:ProjectedCRSPROPERTYType</code>	747
Complex Type <code>gml:DerivedCRSType</code>	747
Complex Type <code>gml:CoordinateSystemPROPERTYType</code>	749
Complex Type <code>gml:DerivedCRSPROPERTYType</code>	749
Complex Type <code>gml:EngineeringCRSType</code>	750
Complex Type <code>gml:AffineCSPROPERTYType</code>	752
Complex Type <code>gml:AffineCSType</code>	752
Complex Type <code>gml:CylindricalCSPROPERTYType</code>	754
Complex Type <code>gml:CylindricalCSType</code>	754
Complex Type <code>gml:LinearCSPROPERTYType</code>	756
Complex Type <code>gml:LinearCSType</code>	756
Complex Type <code>gml:PolarCSPROPERTYType</code>	758
Complex Type <code>gml:PolarCSType</code>	758
Complex Type <code>gml:UserDefinedCSPROPERTYType</code>	760
Complex Type <code>gml:UserDefinedCSType</code>	760
Complex Type <code>gml:EngineeringDatumPROPERTYType</code>	762
Complex Type <code>gml:EngineeringDatumType</code>	762
Complex Type <code>gml:EngineeringCRSPROPERTYType</code>	764
Complex Type <code>gml:ImageCRSType</code>	764
Complex Type <code>gml:ObliqueCartesianCSPROPERTYType</code>	766
Complex Type <code>gml:ObliqueCartesianCSType</code>	766
Complex Type <code>gml:ImageDatumPROPERTYType</code>	768
Complex Type <code>gml:ImageDatumType</code>	768
Complex Type <code>gml:ImageCRSPROPERTYType</code>	770
Complex Type <code>gml:TemporalCRSType</code>	770
Complex Type <code>gml:TimeCSPROPERTYType</code>	772
Complex Type <code>gml:TimeCSType</code>	772
Complex Type <code>gml:TemporalCSPROPERTYType</code>	774
Complex Type <code>gml:TemporalCSType</code>	774

Complex Type <code>gml:TemporalDatumPropertyType</code>	776
Complex Type <code>gml:TemporalDatumType</code>	776
Complex Type <code>gml:TemporalDatum BaseType</code>	778
Complex Type <code>gml:TemporalCRSPropertyType</code>	780
Complex Type <code>gml:DatumPropertyType</code>	780
Complex Type <code>gml:CoordinateOperationPropertyType</code>	781
Complex Type <code>gml:SingleOperationPropertyType</code>	781
Complex Type <code>gml:AbstractGeneralTransformationType</code>	782
Complex Type <code>gml:GeneralTransformationPropertyType</code>	784
Complex Type <code>gml:ConcatenatedOperationType</code>	784
Complex Type <code>gml:ConcatenatedOperationPropertyType</code>	786
Complex Type <code>gml:PassThroughOperationType</code>	786
Complex Type <code>gml:PassThroughOperationPropertyType</code>	788
Complex Type <code>gml:ConversionType</code>	788
Complex Type <code>gml:OperationMethodPropertyType</code>	790
Complex Type <code>gml:OperationMethodType</code>	790
Complex Type <code>gml:AbstractGeneralOperationParameterPropertyType</code>	792
Complex Type <code>gml:AbstractGeneralOperationParameterType</code>	792
Complex Type <code>gml:AbstractGeneralParameterValuePropertyType</code>	793
Complex Type <code>gml:AbstractGeneralParameterValueType</code>	794
Complex Type <code>gml:ConversionPropertyType</code>	794
Complex Type <code>gml:TransformationType</code>	794
Complex Type <code>gml:TransformationPropertyType</code>	796
Complex Type <code>gml:ParameterValue</code>	796
Complex Type <code>gml:DMSAngleType</code>	797
Complex Type <code>gml:DegreesType</code>	797
Complex Type <code>gml:OperationParameterPropertyType</code>	798
Complex Type <code>gml:OperationParameterType</code>	798
Complex Type <code>gml:ParameterValueGroupType</code>	800
Complex Type <code>gml:OperationParameterGroupPropertyType</code>	800
Complex Type <code>gml:OperationParameterGroupType</code>	800
Complex Type <code>gml:ObservationType</code>	802
Complex Type <code>gml:ProcedurePropertyType</code>	802
Complex Type <code>gml:TargetPropertyType</code>	803
Complex Type <code>gml:ResultType</code>	804
Complex Type <code>gml:DirectedObservationType</code>	804
Complex Type <code>gml:DirectedObservationAtDistanceType</code>	805
Complex Type <code>gml:TimeReferenceSystemType</code>	806
Complex Type <code>gml:TimeCoordinateSystemType</code>	807
Complex Type <code>gml:TimeCalendarType</code>	809
Complex Type <code>gml:TimeCalendarEraPropertyType</code>	810
Complex Type <code>gml:TimeCalendarEraType</code>	810
Complex Type <code>gml:TimeCalendar.PropertyType</code>	812
Complex Type <code>gml:TimeClockType</code>	812
Complex Type <code>gml:TimeClock.PropertyType</code>	814
Complex Type <code>gml:TimeOrdinalReferenceSystemType</code>	814
Complex Type <code>gml:TimeOrdinalEraPropertyType</code>	815
Complex Type <code>gml:TimeOrdinalEraType</code>	816
Complex Type <code>gml:TimeNode.PropertyType</code>	818
Complex Type <code>gml:TimeNodeType</code>	818
Complex Type <code>gml:AbstractTimeTopologyPrimitiveType</code>	819
Complex Type <code>gml:TimeEdgePropertyType</code>	820
Complex Type <code>gml:TimeEdgeType</code>	821
Complex Type <code>gml:TimeTopologyPrimitive.PropertyType</code>	821
Complex Type <code>gml:TimeTopologyComplexType</code>	822
Complex Type <code>gml:TimeTopologyComplex.PropertyType</code>	823
Complex Type <code>gml:OperationPropertyType</code>	823
Complex Type <code>gml:GeocentricCRSType</code>	824
Complex Type <code>gml:GeocentricCRSPropertyType</code>	826
Complex Type <code>gml:AngleChoiceType</code>	826
Complex Type <code>gml:ArrayAssociationType</code>	826
Complex Type <code>gml:BagType</code>	826
Complex Type <code>gml:ArrayType</code>	827
Complex Type <code>gml:GenericMetaDataType</code>	828
Complex Type <code>gml:PriorityLocationPropertyType</code>	829
Complex Type <code>gml:FeatureArrayPropertyType</code>	829
Complex Type <code>gml:BoundedFeatureType</code>	829
Complex Type <code>gml:AbstractFeatureCollectionType</code>	831
Complex Type <code>gml:FeatureCollectionType</code>	831
Complex Type <code>gml:MovingObjectStatusType</code>	832
Simple Type(s)	833
Simple Type <code>gml:NilReasonType</code>	833

Simple Type gml:NCNameList	834
Simple Type gml:doubleList	834
Simple Type gml:TimePositionUnion	834
Simple Type gml:TimeIndeterminateValueType	835
Simple Type gml:AggregationType	835
Simple Type gml:SignType	835
Simple Type gml:CurveInterpolationType	835
Simple Type gml:UomIdentifier	835
Simple Type gml:KnotTypesType	836
Simple Type gml:SurfaceInterpolationType	836
Simple Type gml:NilReasonEnumeration	836
Simple Type gml:booleanOrNilReason	836
Simple Type gml:doubleOrNilReason	836
Simple Type gml:integerOrNilReason	837
Simple Type gml:NameOrNilReason	837
Simple Type gml:stringOrNilReason	837
Simple Type gml:UomSymbol	837
Simple Type gml:UomURI	838
Simple Type gml:booleanList	838
Simple Type gml:integerList	838
Simple Type gml:NameList	838
Simple Type gml:QNameList	838
Simple Type gml:booleanOrNilReasonList	839
Simple Type gml:NameOrNilReasonList	839
Simple Type gml:doubleOrNilReasonList	839
Simple Type gml:integerOrNilReasonList	839
Simple Type gml:TimeUnitType	839
Simple Type gml:CalDate	839
Simple Type gml:CompassPointEnumeration	840
Simple Type gml:SequenceRuleEnumeration	840
Simple Type gml:IncrementOrder	840
Simple Type gml:AxisDirectionList	840
Simple Type gml:AxisDirection	840
Simple Type gml:CountExtentType	841
Simple Type gml:DegreeValueType	841
Simple Type gml:DecimalMinutesType	841
Simple Type gml:ArcMinutesType	841
Simple Type gml:ArcSecondsType	841
Simple Type gml:SuccessionType	841
Attribute(s)	841
Attribute @gml:id	841
Attribute @gml:remoteSchema	842
Attribute @gml:uom	842
Element Group(s)	842
Element Group gml:StandardObjectProperties	842
Element Group gml:dynamicProperties	842
Element Group gml:geometricPositionGroup	843
Element Group gml:PointGrid	843
Element Group gml:geometricPositionListGroup	843
Element Group gml:timeLength	843
Element Group gml:Value	843
Attribute Group(s)	844
Attribute Group gml:AssociationAttributeGroup	844
Attribute Group gml:OwnershipAttributeGroup	844
Attribute Group gml:SRSReferenceGroup	845
Attribute Group gml:SRSInformationGroup	845
Attribute Group gml:AggregationAttributeGroup	845
Attribute Group gml:referenceSystem	846
Namespace: "http://www.w3.org/1999/xlink"	846
Schema(s)	846
Imported schema xlink.xsd	846
Element(s)	846
Element xlink:title	846
Element xlink:resource	847
Element xlink:locator	847
Element xlink:arc	848
Simple Type(s)	848
Simple Type xlink:typeType	848
Simple Type xlink:hrefType	848
Simple Type xlink:roleType	848
Simple Type xlink:arcroleType	849
Simple Type xlink:titleAttrType	849

Simple Type xlink:showType	849
Simple Type xlink:actuateType	849
Simple Type xlink:labelType	849
Simple Type xlink:fromType	849
Simple Type xlink:toType	849
Complex Type(s)	850
Complex Type xlink:simple	850
Complex Type xlink:titleEltType	850
Complex Type xlink:resourceType	850
Complex Type xlink:locatorType	851
Complex Type xlink:arcType	851
Complex Type xlink:extended	851
Attribute(s)	852
Attribute @xlink:type	852
Attribute @xlink:href	852
Attribute @xlink:role	852
Attribute @xlink:arcrole	852
Attribute @xlink:title	852
Attribute @xlink:show	852
Attribute @xlink:actuate	853
Attribute @xlink:label	853
Attribute @xlink:from	853
Attribute @xlink:to	853
Element Group(s)	853
Element Group xlink:simpleModel	853
Element Group xlink:extendedModel	853
Element Group xlink:titleModel	853
Element Group xlink:resourceModel	853
Element Group xlink:locatorModel	853
Element Group xlink:arcModel	854
Attribute Group(s)	854
Attribute Group xlink:simpleAttrs	854
Attribute Group xlink:extendedAttrs	854
Attribute Group xlink:titleAttrs	854
Attribute Group xlink:resourceAttrs	855
Attribute Group xlink:locatorAttrs	855
Attribute Group xlink:arcAttrs	855
Namespace: "http://www.w3.org/XML/1998/namespace"	856
Schema(s)	856
Imported schema xml.xsd	856
Attribute(s)	856
Attribute @xml:lang	856
Attribute @xml:space	856
Attribute @xml:base	857
Attribute @xml:id	857
Attribute Group(s)	857
Attribute Group xml:specialAttrs	857
Namespace: "http://www.apiiim.fr/common/1.0/site"	857
Schema(s)	857
Imported schema Site.xsd	857
Complex Type(s)	858
Complex Type TripStopPlaceType	858
Complex Type PlaceType	858
Complex Type PlaceTypeExtensionType	859
Namespace: "http://www.netex.org.uk/netex"	859
Schema(s)	859
Imported schema PublicationDeliverySimplified.xsd	859
Element(s)	859
Element LocationStructure / Longitude	859
Element LocationStructure / Latitude	859
Element PublicationDeliveryType / dataObjects	860
Element PublicationDeliveryType / dataObjects / frameValidityConditions	860
Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition	860
Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition / FromDate	860
Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition / ToDate	860
Element PublicationDeliveryType / dataObjects / CompositeFrame	860
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames	860
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame	861

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces	861
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace	861
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / ParentZoneRef	861
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / placeTypes	861
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / placeTypes / TypeOfPlaceRef	862
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / quays	862
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / quays / Quay	862
Element QuayType / Name	862
Element QuayType / Description	863
Element QuayType / PrivateCode	863
Element QuayType / Centroid	863
Element QuayType / Centroid / Location	863
Element QuayType / PostalAddress	863
Element QuayType / PostalAddress / CountryRef	864
Element QuayType / PostalAddress / AddressLine1	864
Element QuayType / PostalAddress / PostCode	864
Element QuayType / TransportMode	864
Element QuayType / QuayType	864
Complex Type(s)	865
Complex Type LocationStructure	865
Complex Type PublicationDeliveryType	865
Complex Type QuayType	865
Simple Type(s)	865
Simple Type AccessModeEnumeration	865
Simple Type VehicleModeEnumeration	866
Simple Type QuayTypeEnumeration	866
Namespace: "http://www.apiisim.fr/common/1.0/itinerary-request"	866
Schema(s)	866
Imported schema ItineraryRequest.xsd	866
Complex Type(s)	866
Complex Type LocationPointType	866
Complex Type SelfDriveConditionType	866
Simple Type(s)	866
Simple Type AlgorithmTypeEnumeration	866
Element Group(s)	867
Element Group ItineraryRequestParametersGroup	867
Namespace: ""	867
Element(s)	867
Element PlanTripRequestType / Departure	867
Element LocationPointType / PlaceTypeId	867
Element LocationPointType / Position	868
Element PlanTripRequestType / Arrival	868
Element PlanTripRequestType / MaxTrips	868
Element ItineraryRequestParametersGroup / DepartureTime	868
Element ItineraryRequestParametersGroup / ArrivalTime	869
Element ItineraryRequestParametersGroup / Algorithm	869
Element ItineraryRequestParametersGroup / modes	869
Element ItineraryRequestParametersGroup / selfDriveConditions	869
Element SelfDriveConditionType / SelfDriveMode	870
Element SelfDriveConditionType / TripPart	870
Element ItineraryRequestParametersGroup / AccessibilityConstraint	870
Element ItineraryRequestParametersGroup / Language	870
Element AbstractResponseType / RequestId	870
Element StatusGroup / Status	871
Element StatusGroup / Comment	871
Element PlanTripResponse / clientRequestId	871
Element PlanTripResponse / errors	871
Element ErrorType / Field	872
Element ErrorType / Message	872
Element StartingSearch / MaxComposedTripSearched	872
Element EndingSearch / MaxComposedTripSearched	872
Element EndingSearch / ExistenceNotificationsSent	872
Element EndingSearch / NotificationsSent	873
Element EndingSearch / Runtime	873
Element PlanTripCancellationRequest / RequestId	873

Element AbstractNotificationResponseType / RuntimeDuration	873
Element AbstractNotificationResponseType / ResponseDefaults	873
Element PlanTripExistenceNotificationResponseType / ComposedTripId	874
Element PlanTripExistenceNotificationResponseType / DepartureTime	874
Element PlanTripExistenceNotificationResponseType / ArrivalTime	874
Element PlanTripExistenceNotificationResponseType / Duration	874
Element PlanTripExistenceNotificationResponseType / Departure	875
Element PlanTripExistenceNotificationResponseType / Arrival	875
Element PlanTripExistenceNotificationResponseType / providers	875
Element ProviderType / Name	876
Element ProviderType / Url	876
Element PlanTripNotificationResponseType / ComposedTrip	876
Element PlaceType / Position	877
Element PlaceType / Name	878
Element PlaceType / CityCode	878
Element PlaceType / CityName	878
Element PlaceType / POITypeName	878
Element PlaceType / Language	879
Element PlaceType / TypeOfPlaceRef	879
Element PlaceType / Extension	879
Element TripStopPlaceType / Parent	879
Element ComposedTripType / partialTrips	880
Element PartialTripType / Provider	881
Element PartialTripType / Distance	881
Element LocationPointType / Longitude	882
Element LocationPointType / Latitude	882
Element PlanTripNotificationStatusType / PlanTripNotificationStatusCode	882
Attribute(s)	882
Attribute AbstractRequestType / @clientRequestId	882
Attribute ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / @default	882
Attribute PlaceType / @id	883
Attribute LineType / @id	883
Attribute LineType / @companyRef	883
Attribute LineType / @ptNetworkRef	883
Attribute LineType / @groupOfLineRef	883
Attribute GroupOfLineType / @id	883
Attribute PTNetworkType / @id	883
Attribute CompanyType / @id	883
Attribute gml:AssociationAttributeGroup / @nilReason	884
Attribute gml:MetaDataType / @about	884
Attribute gml:OwnershipAttributeGroup / @owns	884
Attribute gml:CodeType / @codeSpace	884
Attribute gml:CodeWithAuthorityType / @codeSpace	884
Attribute gml:SRSReferenceGroup / @srsName	884
Attribute gml:SRSReferenceGroup / @srsDimension	884
Attribute gml:SRSInformationGroup / @axisLabels	884
Attribute gml:SRSInformationGroup / @uomLabels	884
Attribute gml:CoordinatesType / @decimal	884
Attribute gml:CoordinatesType / @cs	885
Attribute gml:CoordinatesType / @ts	885
Attribute gml:DirectPositionListType / @count	885
Attribute StepType / @id	885
Attribute PTRideType / @lineRef	885
Attribute PTRideType / @companyRef	885
Attribute PTRideType / @ptNetworkRef	885
Attribute PTRideType / @vehicleJourneyRef	885
Attribute PTRideType / @groupOfLineRef	886
Attribute PathLinkType / @id	886
Attribute TripType / @id	886
Attribute PartialTripType / @id	886
Attribute LocationPointType / @id	886
Attribute gml:RelatedTimeType / @relativePosition	886
Attribute gml:BoundingShapeType / @nilReason	886
Attribute gml:TimePositionType / @frame	886
Attribute gml:TimePositionType / @calendarEraName	886
Attribute gml:TimePositionType / @indeterminatePosition	887
Attribute gml:EnvelopeWithTimePeriodType / @frame	887
Attribute gml:AggregationAttributeGroup / @aggregationType	887
Attribute gml:AbstractCurveSegmentType / @numDerivativesAtStart	887
Attribute gml:AbstractCurveSegmentType / @numDerivativesAtEnd	887
Attribute gml:AbstractCurveSegmentType / @numDerivativeInterior	887

Attribute gml:OrientableCurveType / @orientation	887
Attribute gml:LineStringSegmentType / @interpolation	887
Attribute gml:ArcStringType / @interpolation	887
Attribute gml:ArcStringType / @numArc	888
Attribute gml:ArcType / @numArc	888
Attribute gml:ArcStringByBulgeType / @interpolation	888
Attribute gml:ArcStringByBulgeType / @numArc	888
Attribute gml:ArcByBulgeType / @numArc	888
Attribute gml:MeasureType / @uom	888
Attribute gml:ArcByCenterPointType / @interpolation	888
Attribute gml:ArcByCenterPointType / @numArc	888
Attribute gml:CubicSplineType / @interpolation	888
Attribute gml:CubicSplineType / @degree	889
Attribute gml:BSplineType / @interpolation	889
Attribute gml:BSplineType / @isPolynomial	889
Attribute gml:BSplineType / @knotType	889
Attribute gml:BezierType / @interpolation	889
Attribute gml:BezierType / @isPolynomial	889
Attribute gml:BezierType / @knotType	889
Attribute gml:ClothoidType / @interpolation	889
Attribute gml:GeodesicStringType / @interpolation	889
Attribute gml:OrientableSurfaceType / @orientation	890
Attribute gml:PolygonPatchType / @interpolation	890
Attribute gml:TriangleType / @interpolation	890
Attribute gml:RectangleType / @interpolation	890
Attribute gml:AbstractGriddedSurfaceType / @rows	890
Attribute gml:AbstractGriddedSurfaceType / @columns	890
Attribute gml:ConeType / @horizontalCurveType	890
Attribute gml:ConeType / @verticalCurveType	890
Attribute gml:CylinderType / @horizontalCurveType	890
Attribute gml:CylinderType / @verticalCurveType	890
Attribute gml:SphereType / @horizontalCurveType	891
Attribute gml:SphereType / @verticalCurveType	891
Attribute gml:UnitOfMeasureType / @uom	891
Attribute gml:DerivationUnitTermType / @exponent	891
Attribute gml:CodeListType / @codeSpace	891
Attribute gml:CodeOrNilReasonListType / @codeSpace	891
Attribute gml:MeasureListType / @uom	891
Attribute gml:MeasureOrNilReasonListType / @uom	891
Attribute gml:AbstractTimeGeometricPrimitiveType / @frame	891
Attribute gml:TimeIntervalLengthType / @unit	892
Attribute gml:TimeIntervalLengthType / @radix	892
Attribute gml:TimeIntervalLengthType / @factor	892
Attribute gml:DirectedFacePropertyType / @orientation	892
Attribute gml:TopoSolidType / @universal	892
Attribute gml:DirectedNodePropertyType / @orientation	892
Attribute gml:DirectedEdgePropertyType / @orientation	892
Attribute gml:DirectedTopoSolidPropertyType / @orientation	892
Attribute gml:FaceType / @universal	892
Attribute gml:TopoComplexType / @isMaximal	893
Attribute gml:referenceSystem / @codeSpace	893
Attribute gml:referenceSystem / @uom	893
Attribute gml:SequenceRuleType / @order	893
Attribute gml:SequenceRuleType / @axisOrder	893
Attribute gml:Boolean / @nilReason	893
Attribute gml:Category / @nilReason	893
Attribute gml:Count / @nilReason	893
Attribute gml:Quantity / @nilReason	894
Attribute gml:GridType / @dimension	894
Attribute gml:CoordinateSystemAxisType / @uom	894
Attribute gml:DegreesType / @direction	894
Attribute gml:PriorityLocationPropertyType / @priority	894
Attribute QuayType / PostalAddress / CountryRef / @ref	894
Attribute QuayType / PostalAddress / @created	894
Attribute QuayType / PostalAddress / @id	894
Attribute QuayType / PostalAddress / @version	894
Attribute QuayType / @id	895
Attribute QuayType / @version	895
Attribute PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / @id	895
Attribute PublicationDeliveryType / @version	895

Namespace: "http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip"**Schema(s)****Main schema PlanTrip.xsd**

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Properties	attribute form default: unqualified element form default: unqualified version: 0.10

Included schema dynamicFeature.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 15.6. A number of types and relationships are defined to represent the time-varying properties of geographic features. In a comprehensive treatment of spatiotemporal modeling, Langran (see Bibliography) distinguished three principal temporal entities: states, events, and evidence; the schema specified in the following Subclauses incorporates elements for each. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema feature.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 9. A GML feature is a (representation of a) identifiable real-world object in a selected domain of discourse. The feature schema provides a framework for the creation of GML features and feature collections. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema geometryAggregates.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 12.3. Geometric aggregates (i.e. instances of a subtype of <code>gml:AbstractGeometricAggregateType</code>) are arbitrary aggregations of geometry elements. They are not assumed to have any additional internal structure and are used to "collect" pieces of geometry of a specified type. Application schemas may use aggregates for features that use multiple geometric objects in their representations. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema geometryPrimitives.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 11. Beside the "simple" geometric primitives specified in the previous Clause, this Clause specifies additional primitives to describe real world situations which require a more expressive geometry model. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified

version:	3.2.1.2
----------	---------

Included schema **geometryBasic2d.xsd**

Namespace	http://www.apiiSIM.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 10. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema **geometryBasic0d1d.xsd**

Namespace	http://www.apiiSIM.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 10. Any geometry element that inherits the semantics of AbstractGeometryType may be viewed as a set of direct positions. All of the classes derived from AbstractGeometryType inherit an optional association to a coordinate reference system. All direct positions shall directly or indirectly be associated with a coordinate reference system. When geometry elements are aggregated in another geometry element (such as a MultiGeometry or GeometricComplex), which already has a coordinate reference system specified, then these elements are assumed to be in that same coordinate reference system unless otherwise specified. The geometry model distinguishes geometric primitives, aggregates and complexes. Geometric primitives, i.e. instances of a subtype of AbstractGeometricPrimitiveType, will be open, that is, they will not contain their boundary points; curves will not contain their end points, surfaces will not contain their boundary curves, and solids will not contain their bounding surfaces. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema **measures.xsd**

Namespace	http://www.apiiSIM.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 17.3. gml:MeasureType is defined in the basicTypes schema. The measure types defined here correspond with a set of convenience measure types described in ISO/TS 19103. The XML implementation is based on the XML Schema simple type "double" which supports both decimal and scientific notation, and includes an XML attribute "uom" which refers to the units of measure for the value. Note that, there is no requirement to store values using any particular format, and applications receiving elements of this type may choose to coerce the data to any other type as convenient. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema **units.xsd**

Namespace	http://www.apiiSIM.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 17.2. Several GML Schema components concern or require a reference scale or units of measure. Units are required for quantities that may occur as values of properties of feature types, as the results of observations, in the range parameters of a coverage, and for measures used in Coordinate Reference System definitions. The basic unit definition is an extension of the general gml:Definition element defined in 16.2.1. Three specialized elements for unit definition are further derived from this. This model is based on the SI system of units [ISO 1000], which distinguishes between Base Units and Derived Units. - Base Units are the preferred units for a set of orthogonal fundamental quantities which define the particular system of units, which may not be derived by combination of other base units. - Derived Units are the preferred units for other quantities in the system, which may be defined by algebraic combination of the base units. In some application areas Conventional units are used, which may be converted to the preferred units using a scaling factor or a formula which defines a re-scaling and offset. The set of preferred units for all physical quantity types in a particular system of units is composed of the union of its base units and derived units. Unit definitions are substitutable for the gml:Definition element declared as part of the dictionary model. A dictionary that contains only unit definitions and references to unit definitions is a units dictionary. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema dictionary.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip						
Annotations	<p>See ISO/DIS 19136 Clause 16. Many applications require definitions of terms which are used within instance documents as the values of certain properties or as reference information to tie properties to standard information values in some way. Units of measure and descriptions of measurable phenomena are two particular examples. It will often be convenient to use definitions provided by external authorities. These may already be packaged for delivery in various ways, both online and offline. In order that they may be referred to from GML documents it is generally necessary that a URI be available for each definition. Where this is the case then it is usually preferable to refer to these directly. Alternatively, it may be convenient or necessary to capture definitions in XML, either embedded within an instance document containing features or as a separate document. The definitions may be transcriptions from an external source, or may be new definitions for a local purpose. In order to support this case, some simple components are provided in GML in the form of - a generic <code>gml:Definition</code>, which may serve as the basis for more specialized definitions - a generic <code>gml:Dictionary</code>, which allows a set of definitions or references to definitions to be collected. These components may be used directly, but also serve as the basis for more specialised definition elements in GML, in particular: coordinate operations, coordinate reference systems, datums, temporal reference systems, and units of measure. Note that the GML definition and dictionary components implement a simple nested hierarchy of definitions with identifiers. The latter provide handles which may be used in the description of more complex relationships between terms. However, the GML dictionary components are not intended to provide direct support for complex taxonomies, ontologies or thesauri. Specialised XML tools are available to satisfy the more sophisticated requirements. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .</p>						
Properties	<table> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema gmlBase.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip						
Annotations	<p>See ISO/DIS 19136 7.2. The <code>gmlBase</code> schema components establish the GML model and syntax, in particular - a root XML type from which XML types for all GML objects should be derived, - a pattern and components for GML properties, - patterns for collections and arrays, and components for generic collections and arrays, - components for associating metadata with GML objects, - components for constructing definitions and dictionaries. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .</p>						
Properties	<table> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema basicTypes.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip						
Annotations	<p>See ISO/DIS 19136 8.2. W3C XML Schema provides a set of built-in "simple" types which define methods for representing values as literals without internal markup. These are described in W3C XML Schema Part 2:2001. Because GML is an XML encoding in which instances are described using XML Schema, these simple types shall be used as far as possible and practical for the representation of data types. W3C XML Schema also provides methods for defining - new simple types by restriction and combination of the built-in types, and - complex types, with simple content, but which also have XML attributes. In many places where a suitable built-in simple type is not available, simple content types derived using the XML Schema mechanisms are used for the representation of data types in GML. A set of these simple content types that are required by several GML components are defined in the <code>basicTypes</code> schema, as well as some elements based on them. These are primarily based around components needed to record amounts, counts, flags and terms, together with support for exceptions or null values. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .</p>						
Properties	<table> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema temporal.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	<p>See ISO/DIS 19136 15.2. The GML temporal schemas include components for describing temporal geometry and topology, temporal reference systems, and the temporal characteristics of geographic data. The model underlying the representation constitutes a profile of the conceptual schema described in ISO 19108. The underlying spatiotemporal model strives to accommodate both feature-level and attribute-level time stamping; basic support for tracking moving objects is also included. Time is measured on two types of scales: interval and ordinal. An interval scale offers a basis for measuring duration, an ordinal</p>

scale provides information only about relative position in time. Two other ISO standards are relevant to describing temporal objects: ISO 8601 describes encodings for time instants and time periods, as text strings with particular structure and punctuation; ISO 11404 provides a detailed description of time intervals as part of a general discussion of language independent datatypes. The temporal schemas cover two interrelated topics and provide basic schema components for representing temporal instants and periods, temporal topology, and reference systems; more specialized schema components defines components used for dynamic features. Instances of temporal geometric types are used as values for the temporal properties of geographic features. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit <http://www.opengeospatial.org/legal/>.

Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema direction.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 18. The direction schema components provide the GML Application Schema developer with a standard property element to describe direction, and associated objects that may be used to express orientation, direction, heading, bearing or other directional aspects of geographic features. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema topology.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 Clause 14. Topology is the branch of mathematics describing the properties of objects which are invariant under continuous deformation. For example, a circle is topologically equivalent to an ellipse because one can be transformed into the other by stretching. In geographic modelling, the foremost use of topology is in accelerating computational geometry. The constructs of topology allow characterisation of the spatial relationships between objects using simple combinatorial or algebraic algorithms. Topology, realised by the appropriate geometry, also allows a compact and unambiguous mechanism for expressing shared geometry among geographic features. There are four instantiable classes of primitive topology objects, one for each dimension up to 3D. In addition, topological complexes are supported, too. There is strong symmetry in the (topological boundary and coboundary) relationships between topology primitives of adjacent dimensions. Topology primitives are bounded by directed primitives of one lower dimension. The coboundary of each topology primitive is formed from directed topology primitives of one higher dimension. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema geometryComplexes.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 12.2. Geometric complexes (i.e. instances of <code>gml:GeometricComplexType</code>) are closed collections of geometric primitives, i.e. they will contain their boundaries. A geometric complex (<code>gml:GeometricComplex</code>) is defined by ISO 19107:2003, 6.6.1 as "a set of primitive geometric objects (in a common coordinate system) whose interiors are disjoint. Further, if a primitive is in a geometric complex, then there exists a set of primitives in that complex whose point-wise union is the boundary of this first primitive." A geometric composite (<code>gml:CompositeCurve</code> , <code>gml:CompositeSurface</code> and <code>gml:CompositeSolid</code>) represents a geometric complex with an underlying core geometry that is isomorphic to a primitive, i.e. it can be viewed as a primitive and as a complex. See ISO 19107:2003, 6.1 and 6.6.3 for more details on the nature of composite geometries. Geometric complexes and composites are intended to be used in application schemas where the sharing of geometry is important. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema coverage.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
-----------	---------------------------------------------------------------------------------------------------------------------------------------------

Annotations	See ISO/DIS 19136 20.3. A coverage incorporates a mapping from a spatiotemporal domain to a range set, the latter providing the set in which the attribute values live. The range set may be an arbitrary set including discrete lists, integer or floating point ranges, and multi-dimensional vector spaces. A coverage can be viewed as the graph of the coverage function $f: A \rightarrow B$, that is as the set of ordered pairs $\{(x, f(x)) \mid x \in A\}$. This view is especially applicable to the GML encoding of a coverage. In the case of a discrete coverage, the domain set A is partitioned into a collection of subsets (typically a disjoint collection) $A = \bigcup_{i=1}^n A_i$ and the function f is constant on each A_i . For a spatial domain, the A_i are geometry elements, hence the coverage can be viewed as a collection of (geometry,value) pairs, where the value is an element of the range set. If the spatial domain A is a topological space then the coverage can be viewed as a collection of (topology,value) pairs, where the topology element in the pair is a topological n-chain (in GML terms this is a <code>gml:TopoPoint</code> , <code>gml:TopoCurve</code> , <code>gml:TopoSurface</code> or <code>gml:TopoSolid</code>). A coverage is implemented as a GML feature. We can thus speak of a "temperature distribution feature", or a "remotely sensed image feature", or a "soil distribution feature". As is the case for any GML object, a coverage object may also be the value of a property of a feature. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .						
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema `valueObjects.xsd`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip						
Annotations	See ISO/DIS 19136 17.5. The elements declared in this Clause build on other GML schema components, in particular <code>gml:AbstractTimeObject</code> , <code>gml:AbstractGeometry</code> , and the following types: <code>gml:MeasureType</code> , <code>gml:MeasureListType</code> , <code>gml:CodeType</code> , <code>gml:CodeOrNilReasonListType</code> , <code>gml:BooleanOrNilReasonListType</code> , <code>gml:IntegerOrNilReasonList</code> . Of particular interest are elements that are the heads of substitution groups, and one named choice group. These are the primary reasons for the value objects schema, since they may act as variables in the definition of content models, such as Observations, when it is desired to permit alternative value types to occur some of which may have complex content such as arrays, geometry and time objects, and where it is useful not to prescribe the actual value type in advance. The members of the groups include quantities, category classifications, boolean, count, temporal and spatial values, and aggregates of these. The value objects are defined in a hierarchy. The following relationships are defined: - Concrete elements <code>gml:Quantity</code> , <code>gml:Category</code> , <code>gml:Count</code> and <code>gml:Boolean</code> are substitutable for the abstract element <code>gml:AbstractScalarValue</code> . - Concrete elements <code>gml:QuantityList</code> , <code>gml:CategoryList</code> , <code>gml:CountList</code> and <code>gml:BooleanList</code> are substitutable for the abstract element <code>gml:AbstractScalarValueList</code> . - Concrete element <code>gml:ValueArray</code> is substitutable for the concrete element <code>gml:CompositeValue</code> . - Abstract elements <code>gml:AbstractScalarValue</code> and <code>gml:AbstractScalarValueList</code> , and concrete elements <code>gml:CompositeValue</code> , <code>gml:ValueExtent</code> , <code>gml:CategoryExtent</code> , <code>gml:CountExtent</code> and <code>gml:QuantityExtent</code> are substitutable for abstract element <code>gml:AbstractValue</code> . - Abstract elements <code>gml:AbstractValue</code> , <code>gml:AbstractTimeObject</code> and <code>gml:AbstractGeometry</code> are all in a choice group named <code>gml:Value</code> , which is used for compositing in <code>gml:CompositeValue</code> and <code>gml:ValueExtent</code> . - Schemas which need values may use the abstract element <code>gml:AbstractValue</code> in a content model in order to permit any of the <code>gml:AbstractScalarValues</code> , <code>gml:AbstractScalarValueLists</code> , <code>gml:CompositeValue</code> or <code>gml:ValueExtent</code> to occur in an instance, or the named group <code>gml:Value</code> to also permit <code>gml:AbstractTimeObjects</code> , <code>gml:AbstractGeometries</code> . GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .						
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema `grids.xsd`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip						
Annotations	See ISO/DIS 19136 20.2. An implicit description of geometry is one in which the items of the geometry do not explicitly appear in the encoding. Instead, a compact notation records a set of parameters, and a set of objects may be generated using a rule with these parameters. This Clause provides grid geometries that are used in the description of gridded coverages and other applications. In GML two grid structures are defined, namely <code>gml:Grid</code> and <code>gml:RectifiedGrid</code> . GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .						
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>3.2.1.2</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	3.2.1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	3.2.1.2						

Included schema `coordinateReferenceSystems.xsd`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 13.3. The spatial-temporal coordinate reference systems schema components are divided into two logical parts. One part defines elements and types for XML encoding of abstract coordinate reference systems definitions. The larger part defines specialized constructs for XML encoding of definitions of the multiple concrete types of spatial-temporal coordinate reference systems. These schema components encode the Coordinate Reference System packages of the UML Models of ISO 19111 Clause 8

	and ISO/DIS 19136 D.3.10, with the exception of the abstract "SC_CRS" class. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema coordinateSystems.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 13.4. The coordinate systems schema components can be divided into three logical parts, which define elements and types for XML encoding of the definitions of: - Coordinate system axes - Abstract coordinate system - Multiple concrete types of spatial-temporal coordinate systems These schema components encode the Coordinate System packages of the UML Models of ISO 19111 Clause 9 and ISO/DIS 19136 D.3.10. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema referenceSystems.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 13.2. The reference systems schema components have two logical parts, which define elements and types for XML encoding of the definitions of: - Identified Object, inherited by the ten types of GML objects used for coordinate reference systems and coordinate operations - High-level part of the definitions of coordinate reference systems This schema encodes the Identified Object and Reference System packages of the UML Model for ISO 19111. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema datums.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 13.5 The datums schema components can be divided into three logical parts, which define elements and types for XML encoding of the definitions of: - Abstract datum - Geodetic datums, including ellipsoid and prime meridian - Multiple other concrete types of spatial or temporal datums These schema components encode the Datum packages of the UML Models of ISO 19111 Clause 10 and ISO/DIS 19136 D.3.10. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema coordinateOperations.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 13.6. The spatial or temporal coordinate operations schema components can be divided into five logical parts, which define elements and types for XML encoding of the definitions of: - Multiple abstract coordinate operations - Multiple concrete types of coordinate operations, including Transformations and Conversions - Abstract and concrete parameter values and groups - Operation methods - Abstract and concrete operation parameters and groups These schema component encodes the Coordinate Operation package of the UML Model for ISO 19111 Clause 11. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified
	element form default: qualified
	version: 3.2.1.2

Included schema observation.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
-----------	---------------------------------------------------------------------------------------------------------------------------------------------

Annotations	See ISO/DIS 19136 Clause 19. A GML observation models the act of observing, often with a camera, a person or some form of instrument. An observation feature describes the "metadata" associated with an information capture event, together with a value for the result of the observation. This covers a broad range of cases, from a tourist photo (not the photo but the act of taking the photo), to images acquired by space borne sensors or the measurement of a temperature 5 meters below the surfaces of a lake. The basic structures introduced in this schema are intended to serve as the foundation for more comprehensive schemas for scientific, technical and engineering measurement schemas. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema temporalReferenceSystems.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 15.5. A value in the time domain is measured relative to a temporal reference system. Common types of reference systems include calendars, ordinal temporal reference systems, and temporal coordinate systems (time elapsed since some epoch). The primary temporal reference system for use with geographic information is the Gregorian Calendar and 24 hour local or Coordinated Universal Time (UTC), but special applications may entail the use of alternative reference systems. The Julian day numbering system is a temporal coordinate system that has an origin earlier than any known calendar, at noon on 1 January 4713 BC in the Julian proleptic calendar, and is useful in transformations between dates in different calendars. In GML seven concrete elements are used to describe temporal reference systems: <code>gml:TimeReferenceSystem</code> , <code>gml:TimeCoordinateSystem</code> , <code>gml:TimeCalendar</code> , <code>gml:TimeCalendarEra</code> , <code>gml:TimeClock</code> , <code>gml:TimeOrdinalReferenceSystem</code> , and <code>gml:TimeOrdinalEra</code> . GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema temporalTopology.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	See ISO/DIS 19136 15.3. Temporal topology is described in terms of time complexes, nodes, and edges, and the connectivity between these. Temporal topology does not directly provide information about temporal position. It is used in the case of describing a lineage or a history (e.g. a family tree expressing evolution of species, an ecological cycle, a lineage of lands or buildings, or a history of separation and merger of administrative boundaries). The following Subclauses specifies the temporal topology as temporal characteristics of features in compliance with ISO 19108. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Included schema deprecatedTypes.xsd

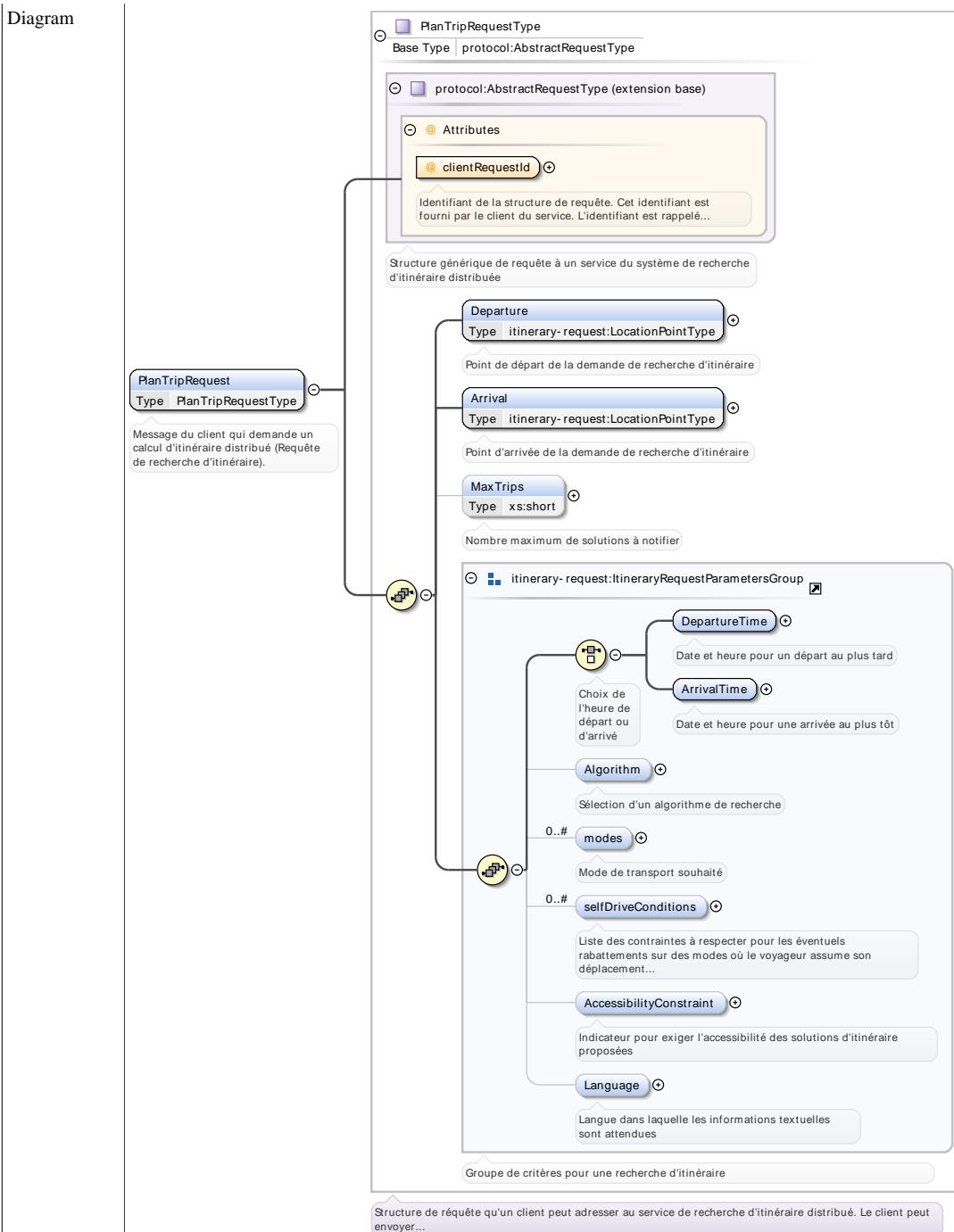
Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	All global schema components that are part of the GML schema, but were deprecated. See Annex I. GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Element(s)

Element PlanTripRequest

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du client qui demande un calcul d'itinéraire distribué (Requête de recherche d'itinéraire).

Diagram

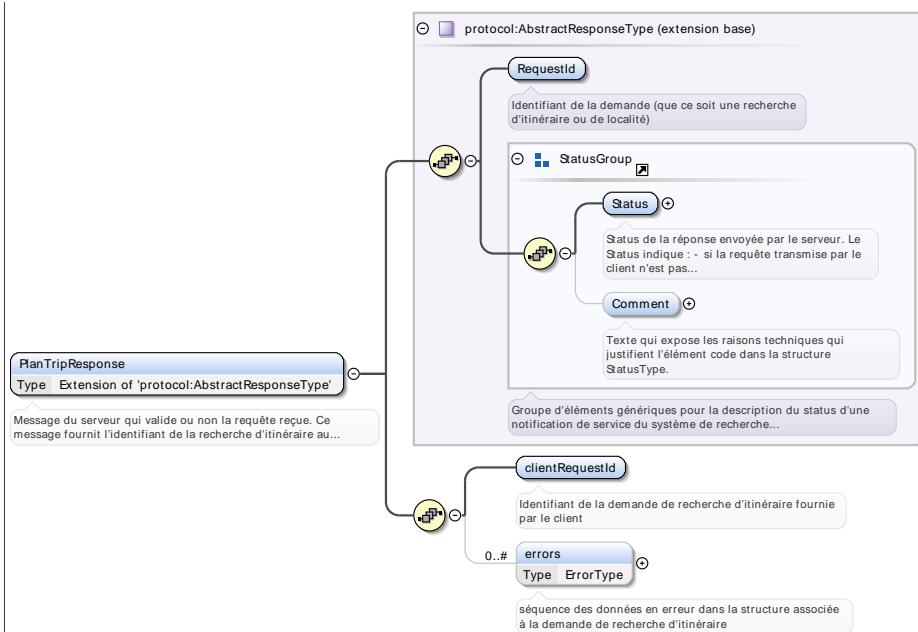


Type	PlanTripRequestType									
Properties	content: complex									
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> <tr> <td><code>clientRequestId</code></td> <td>xs:string</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément <code>RequestId</code>) du service.</td></tr> </table>	QName	Type	Use	<code>clientRequestId</code>	xs:string	required		Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément <code>RequestId</code>) du service.	
QName	Type	Use								
<code>clientRequestId</code>	xs:string	required								
	Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément <code>RequestId</code>) du service.									

Element PlanTripResponse

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur qui valide ou non la requête reçue. Ce message fournit l'identifiant de la recherche d'itinéraire au niveau du serveur. Le message rappelle également l'identifiant de la demande de recherche d'itinéraire, utilisé dans la requête envoyée par le client.

Diagram



Type extension of AbstractResponseType

Properties content: complex

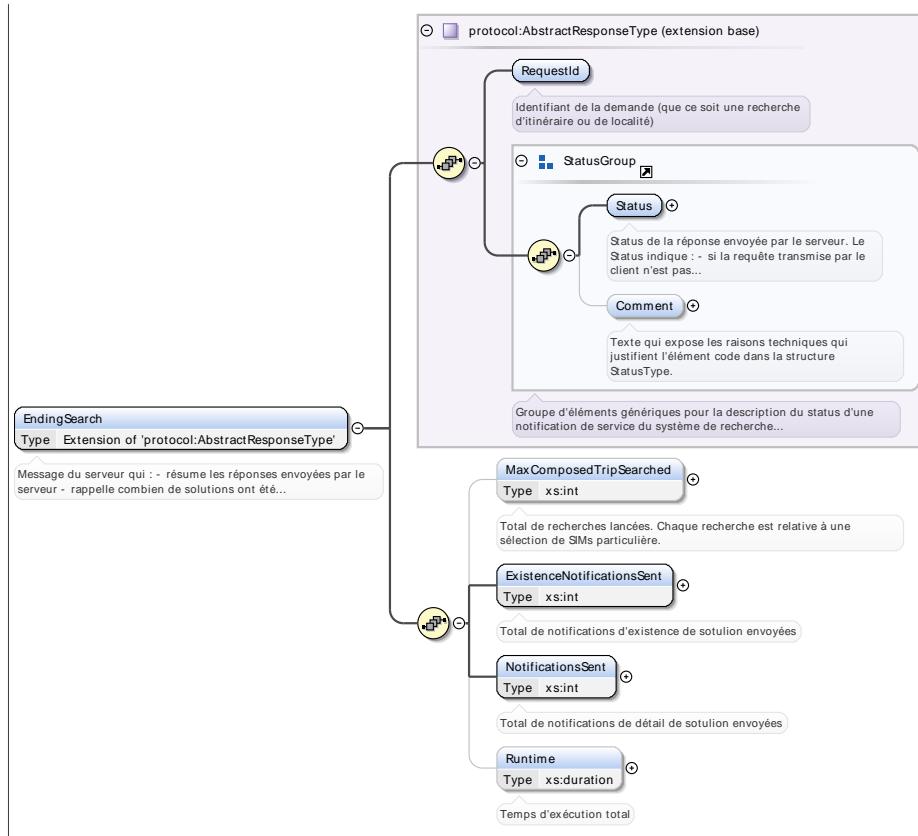
Element StartingSearch

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur qui annonce combien de solutions sont recherchées en parallèle sur le serveur. Chaque solution s'applique à une sélection de SIMs spécifique
Diagram	<p>Diagram illustrating the structure of the StartingSearch element:</p> <ul style="list-style-type: none"> Protocol Extension: protocol:AbstractResponseType (extension base) Attributes: <ul style="list-style-type: none"> RequestId: Identifier de la demande (que ce soit une recherche d'itinéraire ou de localité) StatusGroup (containing Status and Comment): <ul style="list-style-type: none"> Status: Status de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas... Comment: Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType. MaxComposedTripSearched (Type: Restriction of xs:int): <ul style="list-style-type: none"> Total de recherches lancées. Chaque recherche est relative à une sélection de SIMs particulière.
Type	extension of AbstractResponseType
Properties	content: complex

Element EndingSearch

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur qui : - résume les réponses envoyées par le serveur - rappelle combien de solutions ont été recherchées Cet élément signale également tout erreur interne qui pourrait survenir sur le serveur au cours de la recherche.

Diagram



Type extension of AbstractResponseType

Properties content: complex

Element PlanTripCancellationRequest

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du client qui demande l'annulation d'une requête de calcul d'itinéraire distribué
Diagram	<p>PlanTripCancellationRequest RequestId Identifiant de la recherche d'itinéraire. C'est l'identifiant produit par le fournisseur du service.</p>
Properties	content: complex

Element PlanTripCancellationResponse

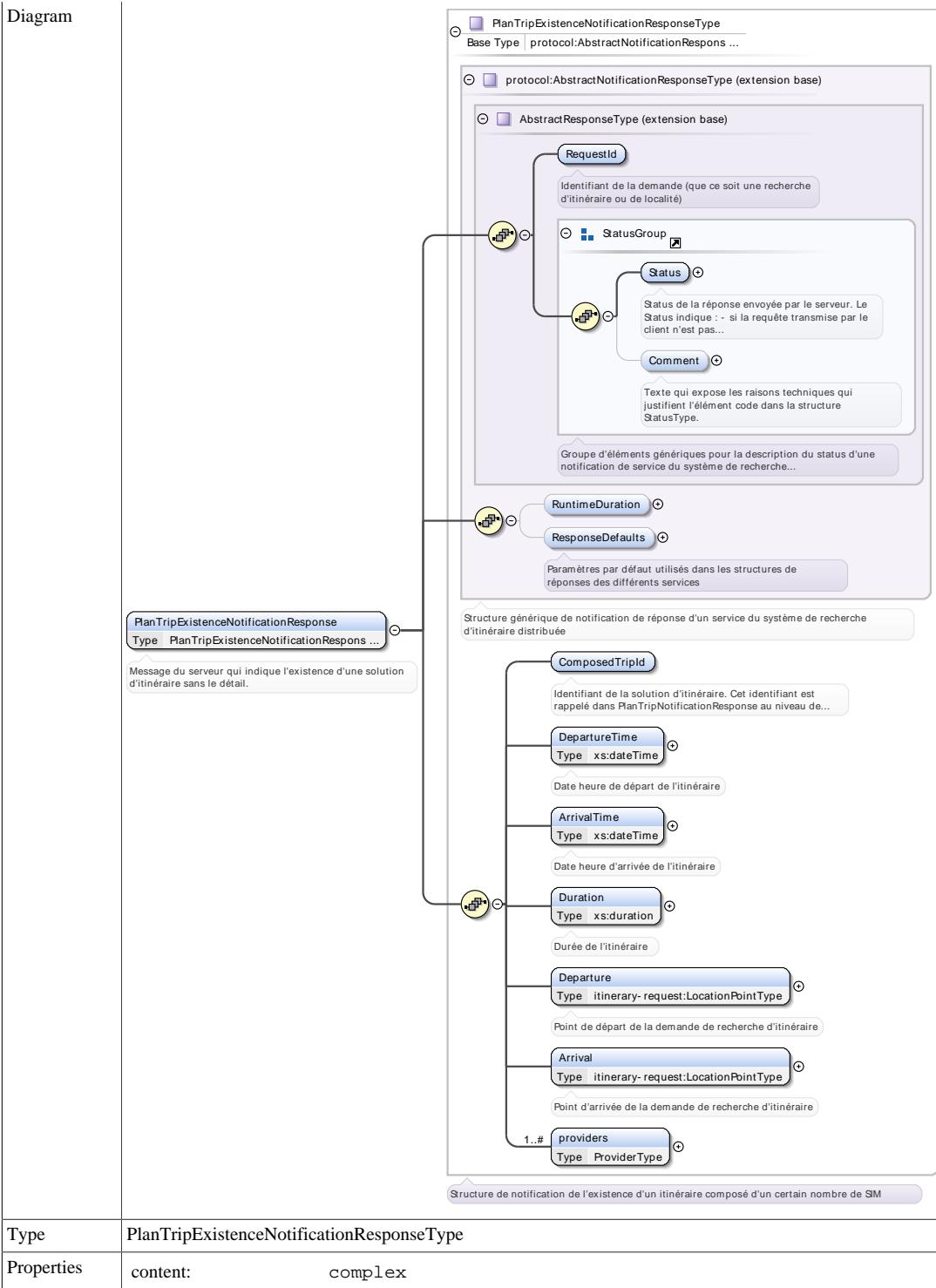
Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur en retour de la demande d'annulation d'une requête de calcul d'itinéraire distribué

Diagram	<pre> classDiagram class PlanTripCancellationResponse { <<Type protocol:AbstractResponseType>> RequestId StatusGroup } class StatusGroup { Status Comment } class Status class Comment </pre>
Type	AbstractResponseType
Properties	content: complex

Element PlanTripExistenceNotificationResponse

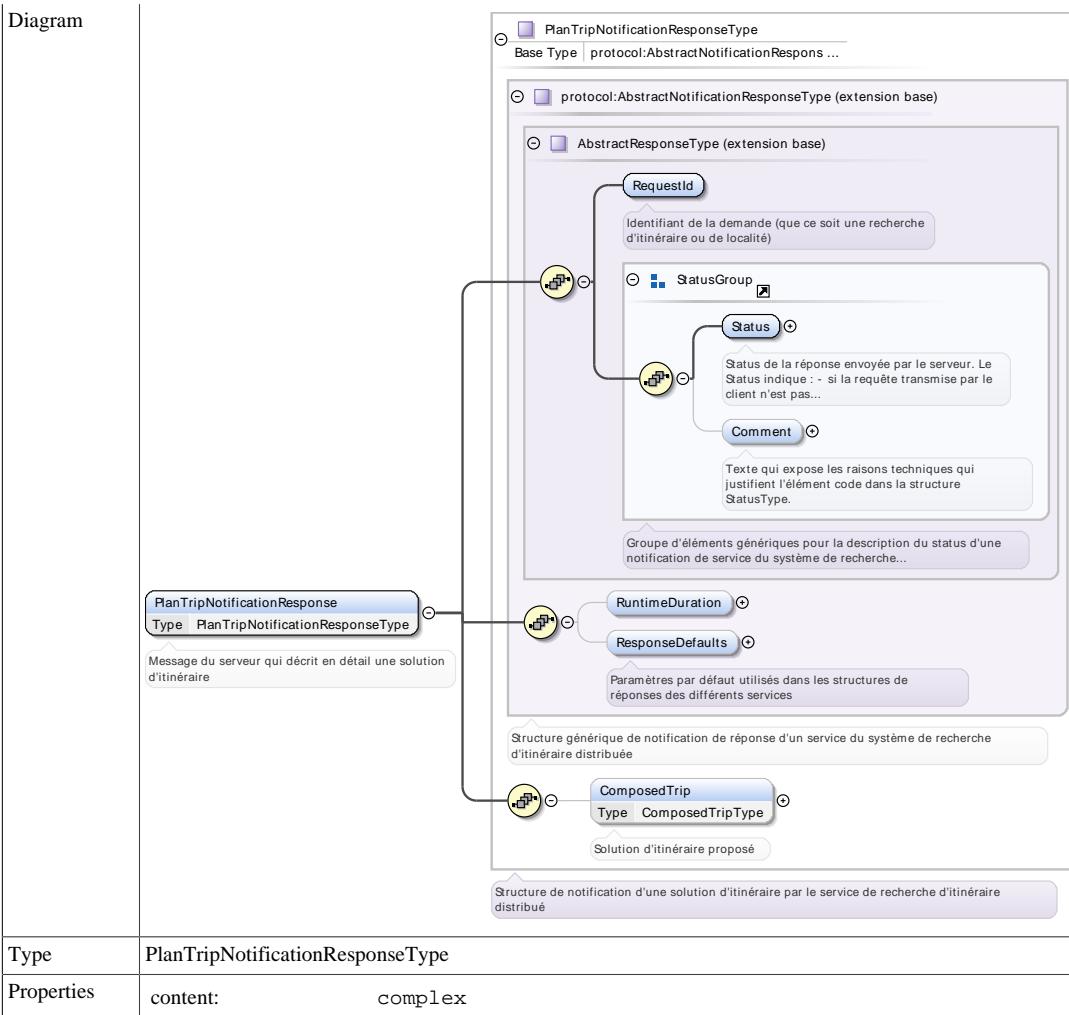
Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur qui indique l'existence d'une solution d'itinéraire sans le détail.

Diagram

**Element PlanTripNotificationResponse**

Namespace	http://www.apiiSim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Message du serveur qui décrit en détail une solution d'itinéraire

Diagram

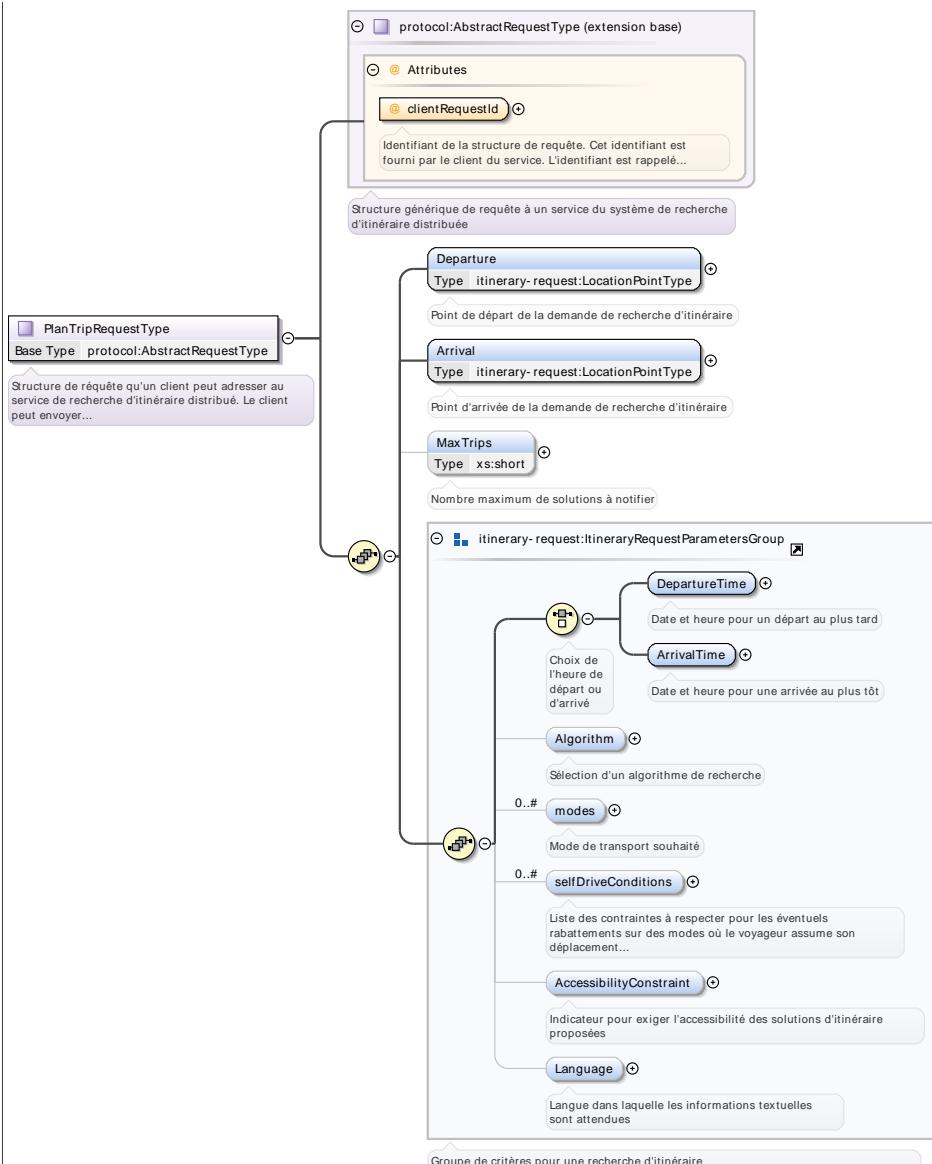
**Element AccessibilityConstraint**

Namespace	http://www.apiiSim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Indicateur pour exiger l'accessibilité des solutions d'itinéraire proposées
Diagram	<p>AccessibilityConstraint Type xs:boolean</p> <p>Indicateur pour exiger l'accessibilité des solutions d'itinéraire proposées</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>
Type	xs:boolean
Properties	content: simple

Complex Type(s)**Complex Type PlanTripRequestType**

Namespace	http://www.apiiSim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Structure de requête qu'un client peut adresser au service de recherche d'itinéraire distribué. Le client peut envoyer plusieurs requêtes en parallèles. Il est donc indispensable d'identifier chacune des requêtes de manière à faire le lien avec les notifications successives. Ces notifications sont transmises au client de manière asynchrone. Chaque notification se raccroche à un identifiant de requête.

Diagram



Type	extension of AbstractRequestType
------	----------------------------------

Attributes	QName	Type	Use	
	<code>clientRequestId</code>	<code>xs:string</code>	required	Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément RequestId) du service.

Complex Type `ErrorType`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Diagram	<p><code>ErrorType</code> class with attributes:</p> <ul style="list-style-type: none"> <code>Field</code> (Type: <code>xs:string</code>) <code>Message</code> (Type: <code>xs:string</code>) <p>Annotations:</p> <ul style="list-style-type: none"> Nom de l'élément en erreur Message d'erreur associé

Complex Type `PlanTripExistenceNotificationResponseType`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
-----------	----------------------------------------------------------------

Annotations	Structure de notification de l'existence d'un itinéraire composé d'un certain nombre de SIM
Diagram	<pre> classDiagram class PlanTripExistenceNotificationResponseType { <<Structure de notification de l'existence d'un itinéraire composé d'un certain nombre de SIM>> <<Base Type : protocol:AbstractNotificationResponseType>> } class AbstractNotificationResponseType { <<Structure générique de notification de réponse d'un service du système de recherche d'itinéraire distribuée>> RequestId StatusGroup RuntimeDuration ResponseDefaults } class StatusGroup { Status Comment } class Status { <<Identifiant de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas...>> } class Comment { <<Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType.>> } class RuntimeDuration class ResponseDefaults class ComposedTripId { <<Identifiant de la solution d'itinéraire. Cet identifiant est rappelé dans PlanTripNotificationResponse au niveau de...>> } class DepartureTime { Type : xs:dateTime <<Date heure de départ de l'itinéraire>> } class ArrivalTime { Type : xs:dateTime <<Date heure d'arrivée de l'itinéraire>> } class Duration { Type : xs:duration <<Durée de l'itinéraire>> } class Departure { Type : itinerary-request:LocationPointType <<Point de départ de la demande de recherche d'itinéraire>> } class Arrival { Type : itinerary-request:LocationPointType <<Point d'arrivée de la demande de recherche d'itinéraire>> } class providers { Type : ProviderType <<1..# providers>> } </pre>
Type	extension of AbstractNotificationResponseType

Complex Type ProviderType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Identification d'un SIM ayant fourni une partie de la solution d'itinéraire
Diagram	<pre> classDiagram class ProviderType { <<Identification d'un SIM ayant fourni une partie de la solution d'itinéraire>> } class Name { <<Nom de l'autorité organisatrice ou du fournisseur du calcul longue distance>> } class Url { <<Url du SIM ou du calculateur longue distance ayant produit l'itinéraire partiel>> } </pre>

Complex Type PlanTripNotificationResponseType

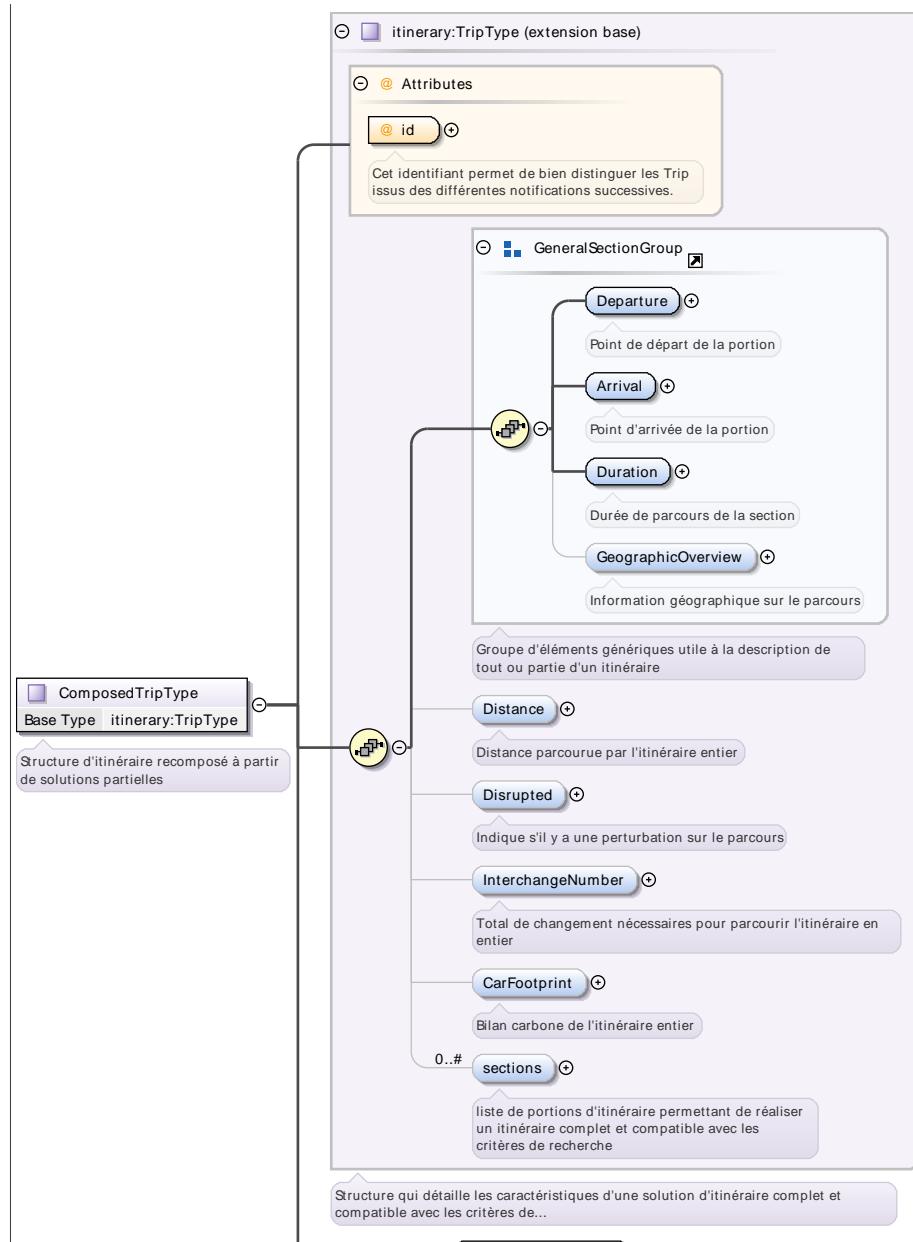
Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
-----------	----------------------------------------------------------------

Annotations	Structure de notification d'une solution d'itinéraire par le service de recherche d'itinéraire distribué
Diagram	<pre> classDiagram class PlanTripNotificationResponseType { <<Structure de notification d'une solution d'itinéraire par le service de recherche d'itinéraire distribué>> } class AbstractNotificationResponseType { <<AbstractNotificationResponseType (extension base)>> } class AbstractResponseType { <<AbstractResponseType (extension base)>> } class StatusGroup { <<Groupe d'éléments génériques pour la description du status d'une notification de service du système de recherche...>> } class Status { <<Status de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas...>> } class Comment { <<Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType.>> } class RuntimeDuration class ResponseDefaults class ComposedTrip { <<Type ComposedTripType>> } PlanTripNotificationResponseType < -- AbstractNotificationResponseType AbstractNotificationResponseType < -- AbstractResponseType AbstractResponseType < -- StatusGroup StatusGroup < -- Status StatusGroup < -- Comment AbstractResponseType < -- RuntimeDuration AbstractResponseType < -- ResponseDefaults AbstractResponseType < -- ComposedTrip </pre>
Type	extension of AbstractNotificationResponseType

Complex Type ComposedTripType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Structure d'itinéraire recomposé à partir de solutions partielles

Diagram



Type extension of `TripType`

Attributes	QName	Type	Use	
	<code>id</code>	xsd:string	required	Cet identifiant permet de bien distinguer les Trip issus des différentes notifications successives.

Complex Type `PartialTripType`

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Groupe d'éléments qui identifie une réponse d'itinéraire partielle et précise le système ayant produit cette réponse ainsi que des informations globales sur cet itinéraire partiel comme son bilan carbone

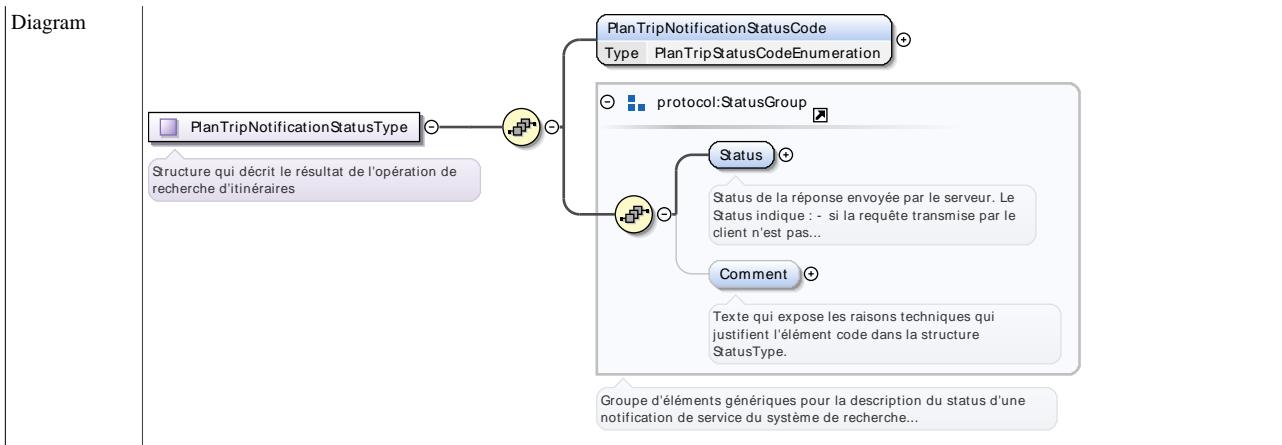
Diagram	<p>Diagram illustrating the structure of <code>PartialTripType</code>:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> <code>@ id</code> (Type: <code>xs:string</code>) <code>Provider</code> (Type: <code>ProviderType</code>) <code>Distance</code> (Type: <code>xs:int</code>) Relationships: <ul style="list-style-type: none"> Reference to <code>itinerary:GeneralSectionGroup</code>. GeneralSectionGroup Structure: <ul style="list-style-type: none"> <code>Departure</code> (Point de départ de la portion) <code>Arrival</code> (Point d'arrivée de la portion) <code>Duration</code> (Durée de parcours de la section) <code>GeographicOverview</code> (Information géographique sur le parcours) Notes: <ul style="list-style-type: none"> <code>PartialTripType</code> is a group of elements identifying a partial itinerary response. <code>itinerary:GeneralSectionGroup</code> is a generic group for itinerary description. 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>id</code></td><td><code>xs:string</code></td><td>required</td></tr> </tbody> </table>	QName	Type	Use	<code>id</code>	<code>xs:string</code>	required
QName	Type	Use					
<code>id</code>	<code>xs:string</code>	required					

Complex Type LocationPointType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip								
Annotations	Structure décrivant une localité caractérisée par une position géographique ponctuelle								
Diagram	<p>Diagram illustrating the structure of <code>LocationPointType</code>:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> <code>@ id</code> (Type: <code>xs:string</code>) <code>Longitude</code> (Type: <code>xs:double</code>) <code>Latitude</code> (Type: <code>xs:double</code>) Notes: <ul style="list-style-type: none"> <code>LocationPointType</code> is a structure for a point location. 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>id</code></td><td><code>xs:string</code></td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	<code>id</code>	<code>xs:string</code>	optional		
QName	Type	Use							
<code>id</code>	<code>xs:string</code>	optional							

Complex Type PlanTripNotificationStatusType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip		
Annotations	Structure qui décrit le résultat de l'opération de recherche d'itinéraires		



Simple Type(s)

Simple Type FieldEnumeration

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string

Simple Type StatusTypeEnumeration

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Enumération des types de status de la réponse à la recherche d'itinéraires
Diagram	<p>Enumération des types de status de la réponse à la recherche d'itinéraires</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string

Simple Type AlgorithmTypeEnumeration

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Type d'optimisation pour le calcul d'itinéraires
Diagram	<p>Type d'optimisation pour le calcul d'itinéraires</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string

Simple Type PlanTripStatusCodeEnumeration

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/plantrip
Annotations	Enumération des codes de status propre au service de recherche d'itinéraire
Diagram	<p>Enumération des codes de status propre au service de recherche d'itinéraire</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string

Namespace: "http://www.apiisim.fr/distributed-journey-planner/1.0/protocol"

Schema(s)

Imported schema Protocol.xsd

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol
-----------	----------------------------------------------------------------

Properties	attribute form default: unqualified element form default: unqualified version: 0.10
------------	-------------------------------------------------------------------------------------------

Complex Type(s)

Complex Type AbstractRequestType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol								
Annotations	Structure générique de requête à un service du système de recherche d'itinéraire distribuée								
Diagram	<p>Diagram illustrating the structure of AbstractRequestType. It shows a class node labeled 'AbstractRequestType' and an attribute node labeled 'clientRequestId' with a description: 'Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé...'.</p>								
Properties	abstract: true								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>clientRequestId</td> <td>xs:string</td> <td>required</td> </tr> </tbody> </table> <p>Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément RequestId) du service.</p>			QName	Type	Use	clientRequestId	xs:string	required
QName	Type	Use							
clientRequestId	xs:string	required							

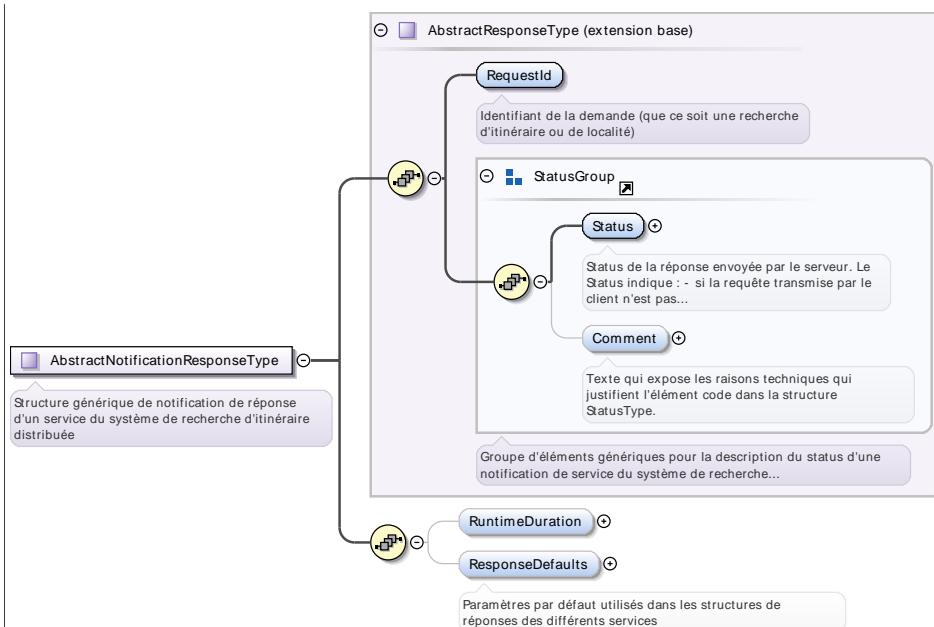
Complex Type AbstractResponseType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol		
Diagram	<p>Diagram illustrating the structure of AbstractResponseType. It shows a class node labeled 'AbstractResponseType' and a complex node labeled 'StatusGroup' with sub-elements 'RequestId', 'Status', and 'Comment'.</p>		
	<p>RequestId: Identifiant de la demande (que ce soit une recherche d'itinéraire ou de localité)</p> <p>Status: Status de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas...</p> <p>Comment: Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType.</p> <p>StatusGroup: Groupe d'éléments génériques pour la description du status d'une notification de service du système de recherche...</p>		

Complex Type AbstractNotificationResponseType

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol		
Annotations	Structure générique de notification de réponse d'un service du système de recherche d'itinéraire distribuée		

Diagram



Type extension of AbstractResponseType

Properties abstract: true

Simple Type(s)**Simple Type StatusEnumeration**

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol
Annotations	Enumération des codes de status 0: OK 1: Erreur côté client (dans la requête reçue) 2: Erreur côté serveur
Diagram	
Type	restriction of xs:string

Element Group(s)**Element Group StatusGroup**

Namespace	http://www.apiisim.fr/distributed-journey-planner/1.0/protocol
Annotations	Groupe d'éléments génériques pour la description du status d'une notification de service du système de recherche d'itinéraire distribuée.
Diagram	

Namespace: "http://www.apiisim.fr/common/1.0/protocol-framework"**Schema(s)****Imported schema ProtocolFramework.xsd**

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework
Properties	attribute form default: unqualified

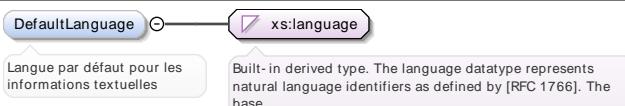
element form default:	qualified
-----------------------	-----------

Element(s)

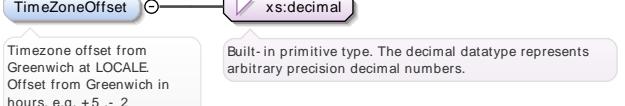
Element ServiceDefaultsType / DefaultLocale

Namespace	http://www.apiiSim.fr/common/1.0/protocol-framework				
Diagram					
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

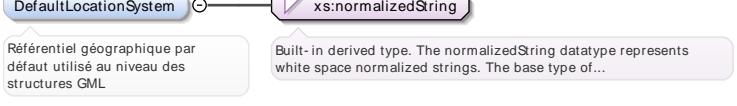
Element ServiceDefaultsType / DefaultLocale / DefaultLanguage

Namespace	http://www.apiiSim.fr/common/1.0/protocol-framework				
Annotations	Langue par défaut pour les informations textuelles				
Diagram					
Type	xs:language				
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				

Element ServiceDefaultsType / DefaultLocale / TimeZoneOffset

Namespace	http://www.apiiSim.fr/common/1.0/protocol-framework				
Annotations	Timezone offset from Greenwich at LOCALE. Offset from Greenwich in hours. e.g. +5, -2				
Diagram					
Type	xs:decimal				
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				

Element ServiceDefaultsType / DefaultLocationSystem

Namespace	http://www.apiiSim.fr/common/1.0/protocol-framework				
Annotations	Référentiel géographique par défaut utilisé au niveau des structures GML				
Diagram					
Type	xs:normalizedString				
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				

Element ServiceDefaultsType / DefaultSystemOfUnits

Namespace	http://www.apiiSim.fr/common/1.0/protocol-framework
-----------	-----------------------------------------------------

Annotations	Units of measurement for all dimension values in Frame. Default System is Si Metres.						
Diagram	<pre> classDiagram class DefaultSystemOfUnits class SystemOfUnits DefaultSystemOfUnits "1" -- "1" SystemOfUnits </pre> <p>Units of measurement for all dimension values in Frame. Default System is Si Metres.</p> <p>System of units.</p>						
Type	SystemOfUnits						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>default:</td> <td>SiMetres</td> </tr> </table>	content:	simple	minOccurs:	0	default:	SiMetres
content:	simple						
minOccurs:	0						
default:	SiMetres						

Element ServiceDefaultsType / geographicOverviewFormats

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework						
Annotations	Catalogue des formats utilisés pour représenter les tracés géographiques						
Diagram	<pre> classDiagram class geographicOverviewFormats class GeographicOverviewFormat geographicOverviewFormats "*" -- "1..#" </pre> <p>Catalogue des formats utilisés pour représenter les tracés géographiques</p> <p>Format de représentation de tracé géographique</p>						
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						

Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework												
Annotations	Format de représentation de tracé géographique												
Diagram	<pre> classDiagram class GeographicOverviewFormat class Attributes class @default class GeographicResourceFormatRef class GeographicResourceFormat </pre> <p>Format de représentation de tracé géographique</p> <p>Attributes</p> <p>Indique s'il s'agit du format par défaut dans l'ensemble de la réponse du service</p> <p>default</p> <p>Référence du format</p> <p>Nom du format (KML ou WKT par exemple)</p>												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded						
content:	complex												
minOccurs:	1												
maxOccurs:	unbounded												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>default</td> <td>xs:boolean</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Indique s'il s'agit du format par défaut dans l'ensemble de la réponse du service</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		default	xs:boolean	optional				Indique s'il s'agit du format par défaut dans l'ensemble de la réponse du service	
QName	Type	Use											
default	xs:boolean	optional											
		Indique s'il s'agit du format par défaut dans l'ensemble de la réponse du service											

Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / GeographicResourceFormatRef

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework
Annotations	Référence du format
Diagram	<pre> classDiagram class GeographicResourceFormatRef class xs:int </pre> <p>Référence du format</p> <p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p>
Type	xs:int

Properties	content: simple
------------	-----------------

Element ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / GeographicResourceFormat

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework
Annotations	Nom du format (KML ou WKT par exemple)
Diagram	
Type	xs:normalizedString
Properties	content: simple

Complex Type(s)

Complex Type ServiceDefaultsType

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework
Annotations	Paramètres par défaut utilisés dans les structures de réponses des différents services
Diagram	

Simple Type(s)

Simple Type SystemOfUnits

Namespace	http://www.apiisim.fr/common/1.0/protocol-framework
Annotations	System of units.
Diagram	
Type	restriction of xs:normalizedString

Namespace: "http://www.apiisim.fr/common/1.0/itinerary"

Schema(s)

Imported schema Itinerary.xsd

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Properties	attribute form default: unqualified element form default: qualified

Element(s)

Element GeneralSectionGroup / Departure

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Point de départ de la portion

Diagram	
Type	EndPointType
Properties	content: complex

Element EndPointType / TripStopPlace

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure la plus générale qui représente un point de passage sur le parcours: adresse, arrêt, commune, etc...
Diagram	
Type	TripStopPlaceType
Properties	content: complex

Attributes	QName	Type	Use	
	id	xs:string	required	
	Identifiant du point de passage			

Element **EndPointType / DateTime**

Namespace	http://www.apiiSim.fr/common/1.0/itinerary		
Annotations	Horaire de passage à ce point du cheminement		
Diagram			
Type	xs:dateTime		
Properties	content: simple		

Element **EndPointType / Extension**

Namespace	http://www.apiiSim.fr/common/1.0/itinerary		
Diagram			
Type	EndPointExtensionType		
Properties	content: complex minOccurs: 0		

Element **GeneralSectionGroup / Arrival**

Namespace	http://www.apiiSim.fr/common/1.0/itinerary		
Annotations	Point d'arrivée de la portion		
Diagram			
Type	EndPointType		
Properties	content: complex		

Element **GeneralSectionGroup / Duration**

Namespace	http://www.apiiSim.fr/common/1.0/itinerary		
Annotations	Durée de parcours de la section		
Diagram			
Type	xs:duration		
Properties	content: simple		

Element GeneralSectionGroup / GeographicOverview

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Information géographique sur le parcours
Diagram	
Properties	content: complex minOccurs: 0

Element GeneralSectionGroup / GeographicOverview / GeographicResource

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Donnée ou référence par la description géographique du parcours selon un format
Diagram	
Type	xs:string
Properties	content: simple

Element GeneralSectionGroup / GeographicOverview / GeographicResourceFormatRef

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Format de la description géographique
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 0

Element TripType / Distance

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Distance parcourue par l'itinéraire entier
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 0

Element TripType / Disrupted

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Indique s'il y a une perturbation sur le parcours
Diagram	

Type	xs:boolean
Properties	<p>content: simple</p> <p>minOccurs: 0</p>

Element TripType / InterchangeNumber

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Total de changement nécessaires pour parcourir l'itinéraire en entier
Diagram	
Type	xs:int
Properties	<p>content: simple</p> <p>minOccurs: 0</p>

Element TripType / CarFootprint

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Bilan carbone de l'itinéraire entier
Diagram	
Type	CarbonFootprintType
Properties	<p>content: complex</p> <p>minOccurs: 0</p>

Element CarbonFootprintType / TripCO2

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Bilan carbone pour le trajet
Diagram	
Type	xs:int
Properties	<p>content: simple</p>

Element CarbonFootprintType / CarCO2

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Bilan carbone pour le trajet s'il est effectué en voiture entièrement
Diagram	

Type	xs:int
Properties	content: simple

Element CarbonFootprintType / Ratio

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Rapport entre les bilan carbone calculés, inférieur à 1 si le trajet émet moins de CO2 que s'il était fait entièrement en voiture
Diagram	
Type	xs:double
Properties	content: simple

Element TripType / sections

Namespace	http://www.apiisim.fr/common/1.0/itinerary						
Annotations	liste de portions d'itinéraire permettant de réaliser un itinéraire complet et compatible avec les critères de recherche						
Diagram							
Type	SectionType						
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						

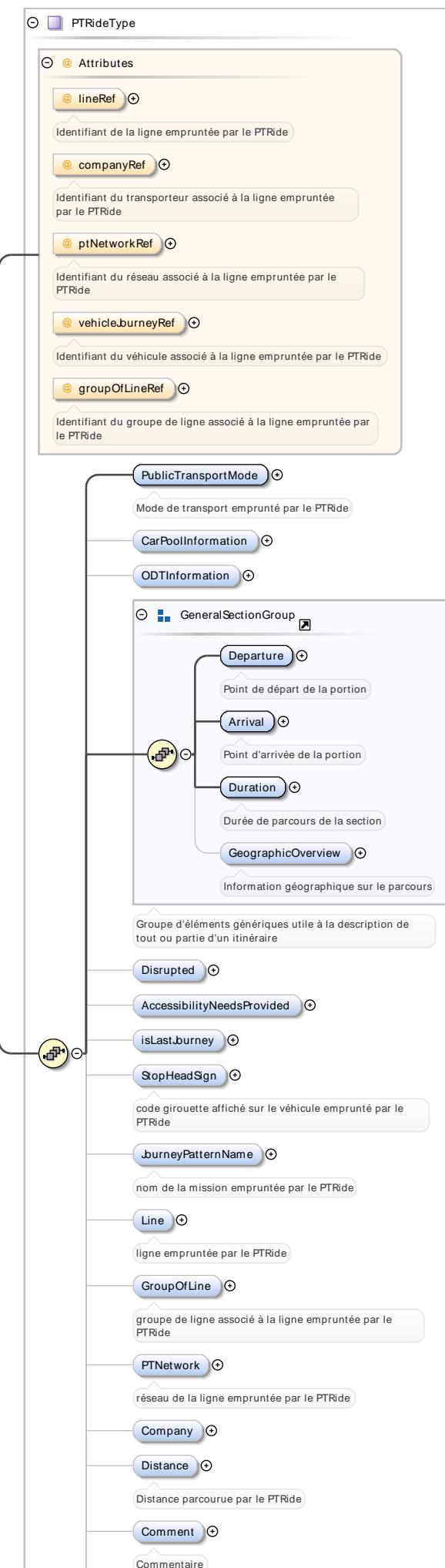
Element SectionType / PartialTripId

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Identifiant de la portion d'itinéraire décrite				
Diagram					
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				

Element SectionType / PTRide

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Portion de l'itinéraire où le voyageur est pris en charge (mise à disposition d'un moyen de transport).

Diagram



Type	PTRideType		
Properties	content: complex		
Attributes	QName	Type	Use
	companyRef	xs:string	optional
	Identifiant du transporteur associé à la ligne empruntée par le PTRide		
	groupOfLineRef	xs:string	optional
	Identifiant du groupe de ligne associé à la ligne empruntée par le PTRide		
	lineRef	xs:string	optional
	Identifiant de la ligne empruntée par le PTRide		
	ptNetworkRef	xs:string	optional
	Identifiant du réseau associé à la ligne empruntée par le PTRide		
	vehicleJourneyRef	xs:string	optional
	Identifiant du véhicule associé à la ligne empruntée par le PTRide		

Element PTRideType / PublicTransportMode

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Mode de transport emprunté par le PTRide		
Diagram	<pre> classDiagram class PublicTransportMode class PublicTransportModeEnumeration PublicTransportMode "0..1" -- "1..*" PublicTransportModeEnumeration </pre> <p>Mode de transport emprunté par le PTRide</p> <p>Enumération des modes de transport public</p>		
Type	PublicTransportModeEnumeration		
Properties	content: simple		

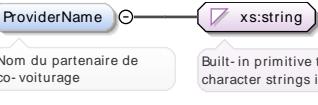
Element PTRideType / CarPoolInformation

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Diagram	<pre> classDiagram class CarPoolInformation class CarPoolInformationType CarPoolInformation "0..1" -- "1..*" CarPoolInformationType </pre> <p>Structure de description d'un itinéraire par co-voiturage</p>		
Type	CarPoolInformationType		
Properties	<p>content: complex</p> <p>minOccurs: 0</p>		

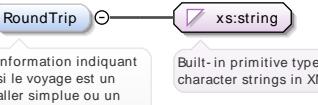
Element CarPoolInformationType / DetailedTripUrl

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Url du detail du trajet sur le site du partenaire		
Diagram	<pre> classDiagram class DetailedTripUrl class xsString DetailedTripUrl "0..1" -- "1..*" xsString </pre> <p>Url du detail du trajet sur le site du partenaire</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	xs:string		
Properties	content: simple		

Element CarPoolInformationType / ProviderName

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Nom du partenaire de co-voiturage				
Diagram					
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				

Element CarPoolInformationType / RoundTrip

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Information indiquant si le voyage est un aller simple ou un aller/retour				
Diagram					
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				

Element PTRideType / ODTInformation

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram					
Type	ODTInformationType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element ODTInformationType / Url

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Url du site pour le TAD				
Diagram					
Type	xs:anyURI				
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				

Element ODTInformationType / BookingInformation

Namespace	http://www.apiisim.fr/common/1.0/itinerary
-----------	--------------------------------------------

Diagram					
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element ODTInformationType / BookingInformation / Phone

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Numéro de réservation				
Diagram					
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				

Element ODTInformationType / BookingInformation / BookingMessage

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram					
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				

Element ODTInformationType / BookingInformation / Language

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	Langue utilisée au niveau de l'élément LocationName et des réponses attendues. NB: les localités ont parfois des appellations propres à une langue. Exemple: Londres/London, Naples/Napoli				
Diagram					
Type	xs:language				
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				

Element PTRideType / Disrupted

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Diagram	

Type	xs:boolean				
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				

Element PTRideType / AccessibilityNeedsProvided

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram					
Type	xs:boolean				
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				

Element PTRideType / isLastJourney

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram					
Type	xs:boolean				
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				

Element PTRideType / StopHeadSign

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	code girouette affiché sur le véhicule emprunté par le PTRide				
Diagram					
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				

Element PTRideType / JourneyPatternName

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Annotations	nom de la mission empruntée par le PTRide				
Diagram					
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				

Element PTRideType / Line

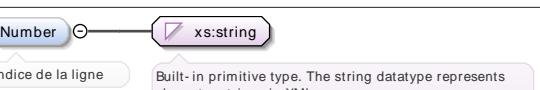
Namespace	http://www.apiisim.fr/common/1.0/itinerary
-----------	--------------------------------------------

Annotations	ligne empruntée par le PTRide																											
Diagram	<pre> classDiagram class LineType { @id @companyRef @ptNetworkRef @groupOfLineRef } class Line { Name Number PublishedName RegistrationNumber Comment } LineType "1" *-- "1" Line : Line Note over LineType, Line: Structure de ligne du réseau de transport en commun </pre>																											
Type	LineType																											
Properties	<p>content: complex</p> <p>minOccurs: 0</p>																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>companyRef</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Identifiant du transporteur de la ligne (inutile si la structure Company est fournie)</td> </tr> <tr> <td>groupOfLineRef</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Identifiant du groupe de ligne associé à la ligne (inutile si la structure GroupOfLine est fournie)</td> </tr> <tr> <td>id</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Identifiant de la ligne</td> </tr> <tr> <td>ptNetworkRef</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Identifiant du réseau de la ligne (inutile si la structure ptNetwork est fournie)</td> </tr> </tbody> </table>	QName	Type	Use	companyRef	xs:string	optional			Identifiant du transporteur de la ligne (inutile si la structure Company est fournie)	groupOfLineRef	xs:string	optional			Identifiant du groupe de ligne associé à la ligne (inutile si la structure GroupOfLine est fournie)	id	xs:string	optional			Identifiant de la ligne	ptNetworkRef	xs:string	optional			Identifiant du réseau de la ligne (inutile si la structure ptNetwork est fournie)
QName	Type	Use																										
companyRef	xs:string	optional																										
		Identifiant du transporteur de la ligne (inutile si la structure Company est fournie)																										
groupOfLineRef	xs:string	optional																										
		Identifiant du groupe de ligne associé à la ligne (inutile si la structure GroupOfLine est fournie)																										
id	xs:string	optional																										
		Identifiant de la ligne																										
ptNetworkRef	xs:string	optional																										
		Identifiant du réseau de la ligne (inutile si la structure ptNetwork est fournie)																										

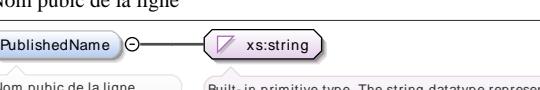
Element LineType / Name

Namespace	http://www.apiiSim.fr/common/1.0/itinerary
Annotations	Nom de la ligne
Diagram	<pre> classDiagram class Name { xs:string } Note over Name: Built-in primitive type. The string datatype represents character strings in XML. </pre>
Type	xs:string
Properties	content: simple

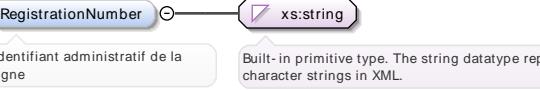
Element LineType / Number

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Indice de la ligne
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0

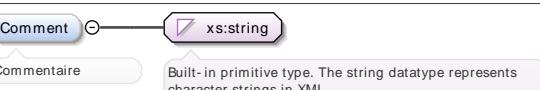
Element LineType / PublishedName

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Nom pubic de la ligne
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0

Element LineType / RegistrationNumber

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Identifiant administratif de la ligne
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0

Element LineType / Comment

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Commentaire
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0

Element PTRideType / GroupOfLine

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	groupe de ligne associé à la ligne empruntée par le PTRide

Diagram													
Type	GroupOfLineType												
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0								
content:	complex												
minOccurs:	0												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Identifiant du groupe de ligne</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		id	xs:string	optional				Identifiant du groupe de ligne	
QName	Type	Use											
id	xs:string	optional											
		Identifiant du groupe de ligne											

Element GroupOfLineType / Name

Namespace	http://www.apiiSim.fr/common/1.0/itinerary		
Annotations	Nom du groupe de ligne		
Diagram			
Type	xs:string		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element PTRideType / PTNetwork

Namespace	http://www.apiiSim.fr/common/1.0/itinerary												
Annotations	réseau de la ligne empruntée par le PTRide												
Diagram													
Type	PTNetworkType												
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0								
content:	complex												
minOccurs:	0												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Identifiant administratif</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		id	xs:string	optional				Identifiant administratif	
QName	Type	Use											
id	xs:string	optional											
		Identifiant administratif											

QName	Type	Use
		Identifiant du réseau de transport

Element PTNetworkType / Name

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Nom du réseau
Diagram	<p>Diagram illustrating the element Name (xs:string). A blue rounded rectangle labeled 'Name' is connected to a purple rounded rectangle labeled 'xs:string' by a line with a hollow circle at the connection point. A callout box below 'Name' is labeled 'Nom du réseau'. A callout box below 'xs:string' is labeled 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple minOccurs: 0

Element PTNetworkType / VersionDate

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Diagram	<p>Diagram illustrating the element VersionDate (xs:date). A blue rounded rectangle labeled 'VersionDate' is connected to a purple rounded rectangle labeled 'xs:date' by a line with a hollow circle at the connection point. A callout box below 'VersionDate' is labeled 'Built-in primitive type. The date datatype represents a calendar date.'</p>
Type	xs:date
Properties	content: simple minOccurs: 0

Element PTNetworkType / RegistrationNumber

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Identifiant administratif
Diagram	<p>Diagram illustrating the element RegistrationNumber (xs:string). A blue rounded rectangle labeled 'RegistrationNumber' is connected to a purple rounded rectangle labeled 'xs:string' by a line with a hollow circle at the connection point. A callout box below 'RegistrationNumber' is labeled 'Identifiant administratif'. A callout box below 'xs:string' is labeled 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple minOccurs: 0

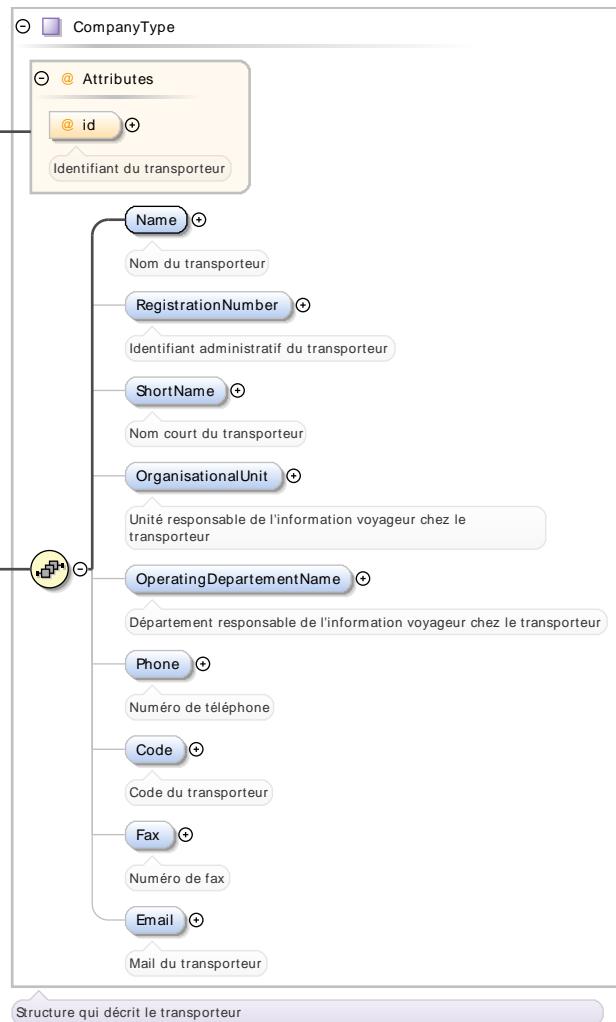
Element PTNetworkType / Comment

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Commentaire
Diagram	<p>Diagram illustrating the element Comment (xs:string). A blue rounded rectangle labeled 'Comment' is connected to a purple rounded rectangle labeled 'xs:string' by a line with a hollow circle at the connection point. A callout box below 'Comment' is labeled 'Commentaire'. A callout box below 'xs:string' is labeled 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple minOccurs: 0

Element PTRideType / Company

Namespace	http://www.apiisim.fr/common/1.0/itinerary
-----------	--------------------------------------------

Diagram



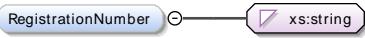
Type	CompanyType		
Properties	content: complex minOccurs: 0		
Attributes	QName id	Type xs:string	Use optional Identifiant du transporteur

Element CompanyType / Name

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Nom du transporteur
Diagram	<p><code>Name</code> (type xs:string, annotated as "Nom du transporteur") points to the <code>xs:string</code> type. A note states: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Properties	content: simple

Element CompanyType / RegistrationNumber

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Identifiant administratif du transporteur

Diagram	 <div>Identifier administratif du transporteur</div> <div>Built-in primitive type. The string datatype represents character strings in XML.</div>
Type	xs:string
Properties	content: simple minOccurs: 0

Element CompanyType / ShortName

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Nom court du transporteur
Diagram	 <div>Nom court du transporteur</div> <div>Built-in primitive type. The string datatype represents character strings in XML.</div>
Type	xs:string
Properties	content: simple minOccurs: 0

Element CompanyType / OrganisationalUnit

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Unité responsable de l'information voyageur chez le transporteur
Diagram	 <div>Unité responsable de l'information voyageur chez le transporteur</div> <div>Built-in primitive type. The string datatype represents character strings in XML.</div>
Type	xs:string
Properties	content: simple minOccurs: 0

Element CompanyType / OperatingDepartementName

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Département responsable de l'information voyageur chez le transporteur
Diagram	 <div>Département responsable de l'information voyageur chez le transporteur</div> <div>Built-in primitive type. The string datatype represents character strings in XML.</div>
Type	xs:string
Properties	content: simple minOccurs: 0

Element CompanyType / Phone

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Numéro de téléphone
Diagram	 <div>Numéro de téléphone</div> <div>Built-in primitive type. The string datatype represents character strings in XML.</div>
Type	xs:string
Properties	content: simple

	minOccurs:	0
--	------------	---

Element CompanyType / Code

Namespace	http://www.apiisim.fr/common/1.0/itinerary	
Annotations	Code du transporteur	
Diagram	<p>Code (xs:string)</p> <p>Code du transporteur</p>	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string	
Properties	content: simple minOccurs: 0	

Element CompanyType / Fax

Namespace	http://www.apiisim.fr/common/1.0/itinerary	
Annotations	Numéro de fax	
Diagram	<p>Fax (xs:string)</p> <p>Numéro de fax</p>	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string	
Properties	content: simple minOccurs: 0	

Element CompanyType / Email

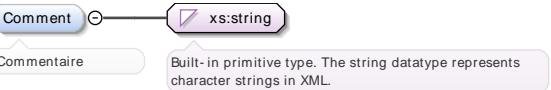
Namespace	http://www.apiisim.fr/common/1.0/itinerary	
Annotations	Mail du transporteur	
Diagram	<p>Email (xs:string)</p> <p>Mail du transporteur</p>	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string	
Properties	content: simple minOccurs: 0	

Element PTRideType / Distance

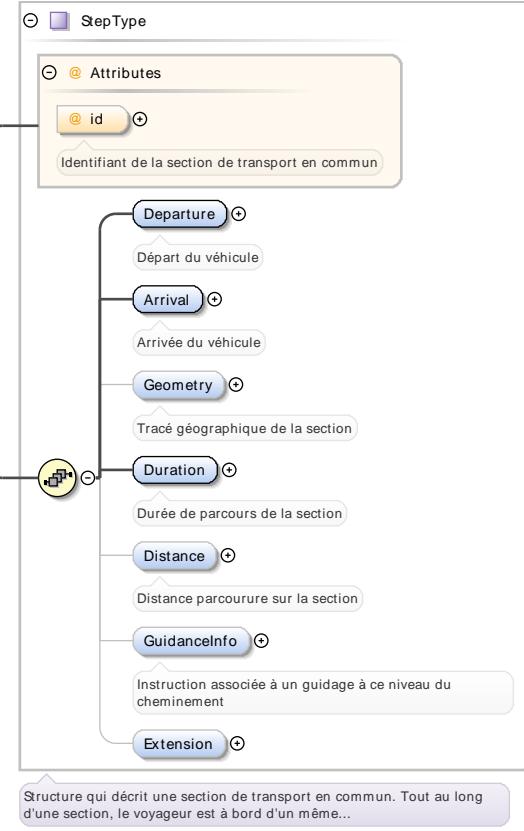
Namespace	http://www.apiisim.fr/common/1.0/itinerary	
Annotations	Distance parcourue par le PTRide	
Diagram	<p>Distance (xs:int)</p> <p>Distance parcourue par le PTRide</p>	<p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p>
Type	xs:int	
Properties	content: simple minOccurs: 0	

Element PTRideType / Comment

Namespace	http://www.apiisim.fr/common/1.0/itinerary	
-----------	--------------------------------------------	--

Annotations	Commentaire
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0

Element PTRideType / steps

Namespace	http://www.apiisim.fr/common/1.0/itinerary									
Diagram										
Type	StepType									
Properties	content: complex minOccurs: 0 maxOccurs: unbounded									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Identifier de la section de transport en commun</td> </tr> </tbody> </table>	QName	Type	Use	id	xs:string	optional			Identifier de la section de transport en commun
QName	Type	Use								
id	xs:string	optional								
		Identifier de la section de transport en commun								

Element StepType / Departure

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Départ du véhicule

Diagram	<pre> classDiagram class StepEndPointType { <<StepEndPointType>> <<EndPointType (extension base)>> TripStopPlace DateTime Extension } class Departure { <<Départ du véhicule>> } class PassThrough { <<Structure qui décrit une extrémité de cheminement (départ ou arrivée)>> } StepEndPointType "1" --> "1" Departure StepEndPointType "1" --> "1" PassThrough </pre>
Type	StepEndPointType
Properties	content: complex

Element StepEndPointType / PassThrough

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram	<pre> classDiagram class PassThrough { <<xs:boolean>> } annotation on PassThrough { Built-in primitive type. It defines the boolean values true and false. } </pre>				
Type	xs:boolean				
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				

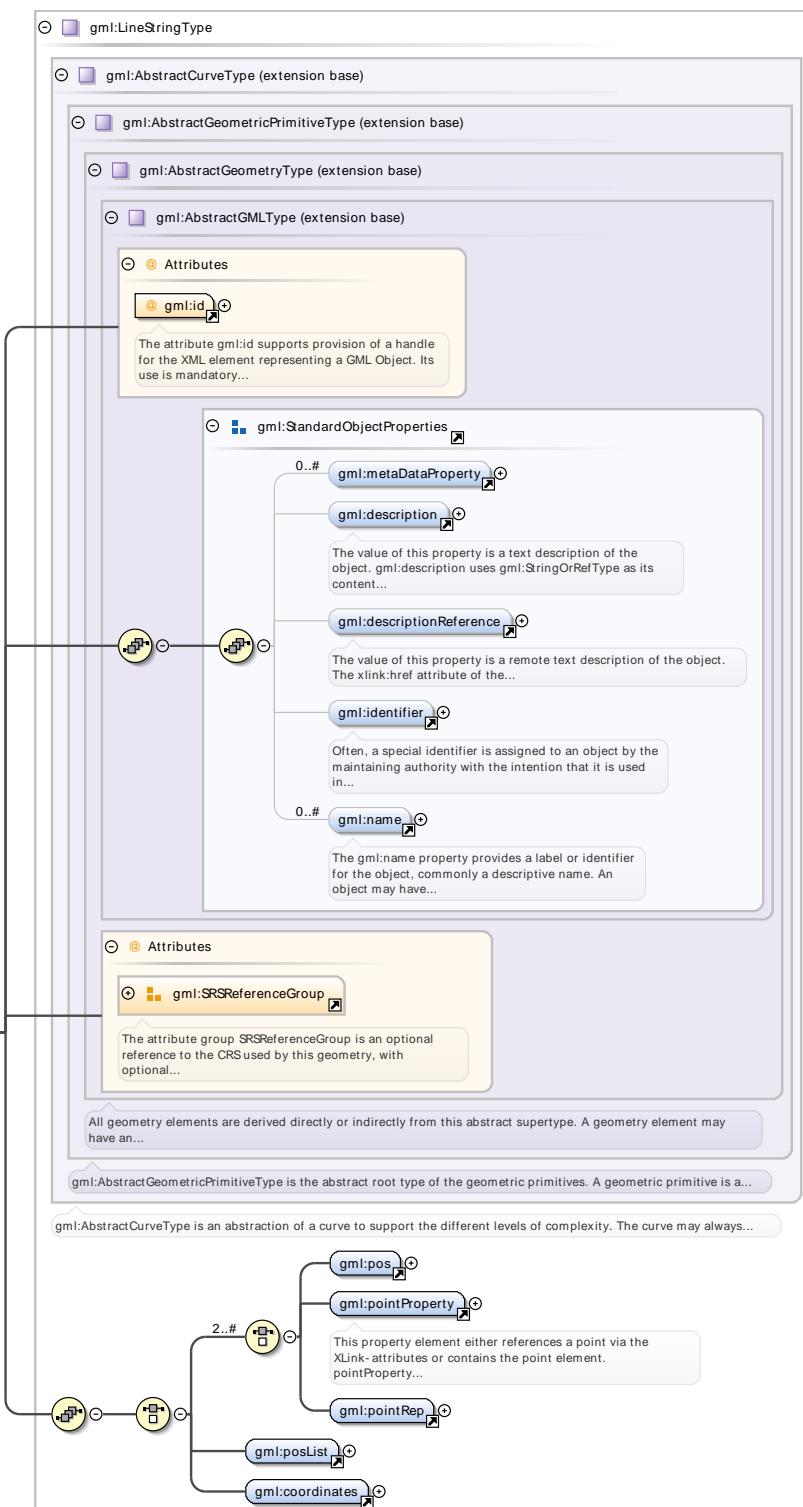
Element StepType / Arrival

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Arrivée du véhicule
Diagram	<pre> classDiagram class StepType { <<StepType>> <<EndPointType (extension base)>> TripStopPlace DateTime Extension } class Arrival { <<Arrivée du véhicule>> } class PassThrough { <<Structure qui décrit une extrémité de cheminement (départ ou arrivée)>> } StepType "1" --> "1" Arrival StepType "1" --> "1" PassThrough </pre>
Type	StepEndPointType
Properties	content: complex

Element StepType / Geometry

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Tracé géographique de la section

Diagram



Type	gml:LineStringType
------	--------------------

Properties	content: complex minOccurs: 0
------------	----------------------------------

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

QName	Type	Use
srsDimension	positiveInteger	optional
srsName	anyURI	optional
uomLabels	gml:NCNameList	optional

Element StepType / Duration

Namespace	http://www.apiiSim.fr/common/1.0/itinerary
Annotations	Durée de parcours de la section
Diagram	<p>Duration (xs:duration) Durée de parcours de la section Built-in primitive type. The duration datatype represents a duration of time.</p>
Type	xs:duration
Properties	content: simple minOccurs: 0

Element StepType / Distance

Namespace	http://www.apiiSim.fr/common/1.0/itinerary
Annotations	Distance parcourue sur la section
Diagram	<p>Distance (xs:int) Distance parcourue sur la section Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p>
Type	xs:int
Properties	content: simple minOccurs: 0

Element StepType / GuidanceInfo

Namespace	http://www.apiiSim.fr/common/1.0/itinerary
Annotations	Instruction associée à un guidage à ce niveau du cheminement
Diagram	<p>GuidanceInfo (GuidanceInfoType) GuidanceInfo Instruction Instruction de guidage exprimée dans une langue donnée Langage Code langue Extension Structure qui décrit une instruction de guidage</p>
Type	GuidanceInfoType
Properties	content: complex minOccurs: 0

Element GuidanceInfoType / Instruction

Namespace	http://www.apiiSim.fr/common/1.0/itinerary
Annotations	Instruction de guidage exprimée dans une langue donnée
Diagram	<p>Instruction (xs:string) Instruction de guidage exprimée dans une langue donnée Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	xs:string
Properties	content: simple

Element GuidanceInfoType / Language

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Code langue
Diagram	<p>Language (xs:string) is a derived type from xs:language. A note explains it represents natural language identifiers as defined by RFC 1766.</p>
Type	xs:language
Properties	content: simple

Element GuidanceInfoType / Extension

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram	<p>GuidanceInfoExtensionType is an extension of GuidanceInfoType, containing any content.</p>				
Type	GuidanceInfoExtensionType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element StepType / Extension

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram	<p>StepExtensionType is an extension of StepType, containing any content.</p>				
Type	StepExtensionType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

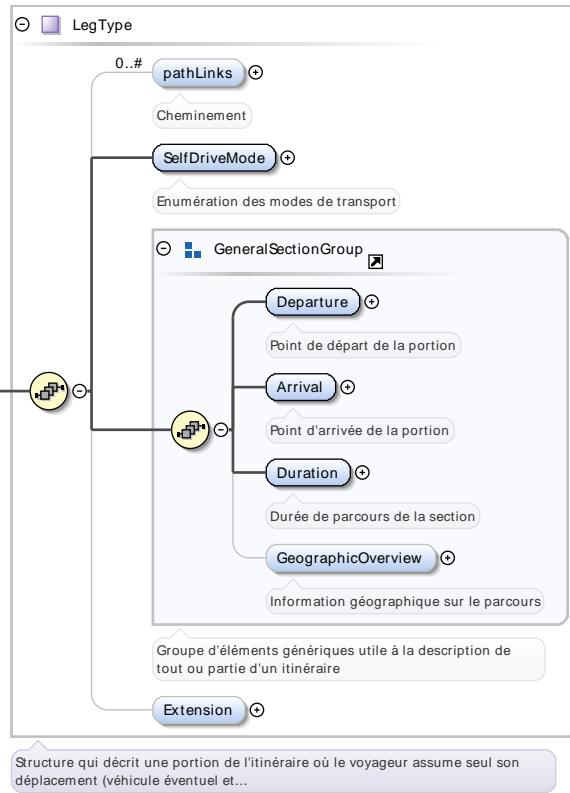
Element PTRideType / Extension

Namespace	http://www.apiisim.fr/common/1.0/itinerary				
Diagram	<p>PTRideExtensionType is an extension of PTRideType, containing any content.</p>				
Type	PTRideExtensionType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element SectionType / Leg

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Portion de l'itinéraire où le voyageur assume seul son déplacement (véhicule éventuel et orientation).

Diagram



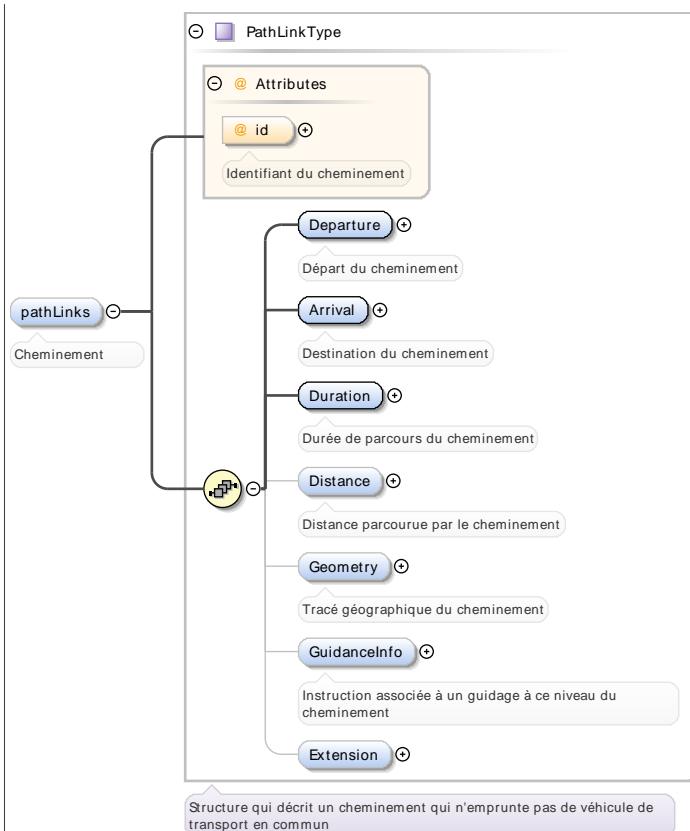
Type LegType

Properties content: complex

Element LegType / pathLinks

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Cheminement

Diagram



Type	PathLinkType
------	--------------

Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded

Attributes	QName	Type	Use	
	id	xsd:string	optional	Identifiant du cheminement

Element PathLinkType / Departure

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Départ du cheminement
Diagram	<p>The diagram shows the EndPointType class with the following attributes:</p> <ul style="list-style-type: none"> TripStopPlace (xsd:string, Structure la plus générale qui représente un point de passage sur le parcours: adresse, arrêt, commune, etc...) DateTime (xsd:string, Horaire de passage à ce point du cheminement) Extension (xsd:string) <p>Departure (xsd:string, Départ du cheminement) is a reference to EndPointType.</p> <p>Structure qui décrit une extrémité de cheminement (départ ou arrivée)</p>
Type	EndPointType
Properties	content: complex

Element PathLinkType / Arrival

Namespace	http://www.apiisim.fr/common/1.0/itinerary
-----------	--------------------------------------------

Annotations	Destination du cheminement
Diagram	<pre> graph TD subgraph EndPointType direction TB ET[EndPointType] --- TS[TripStopPlace] TS --- A[Arrival] TS --- DT[DateTime] TS --- E[Extension] A --- DC[Destination du cheminement] DT --- H[Horaire de passage à ce point du cheminement] E --- S[Structure qui décrit une extrémité de cheminement (départ ou arrivée)] end </pre> <p>Structure la plus générale qui représente un point de passage sur le parcours: adresse, arrêt, commune, etc...</p> <p>Horaire de passage à ce point du cheminement</p> <p>Structure qui décrit une extrémité de cheminement (départ ou arrivée)</p>
Type	EndPointType
Properties	content: complex

Element PathLinkType / Duration

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Durée de parcours du cheminement
Diagram	<pre> graph LR Duration --- xsduration[xs:duration] </pre> <p>Durée de parcours du cheminement</p> <p>Built-in primitive type. The duration datatype represents a duration of time.</p>
Type	xs:duration
Properties	content: simple

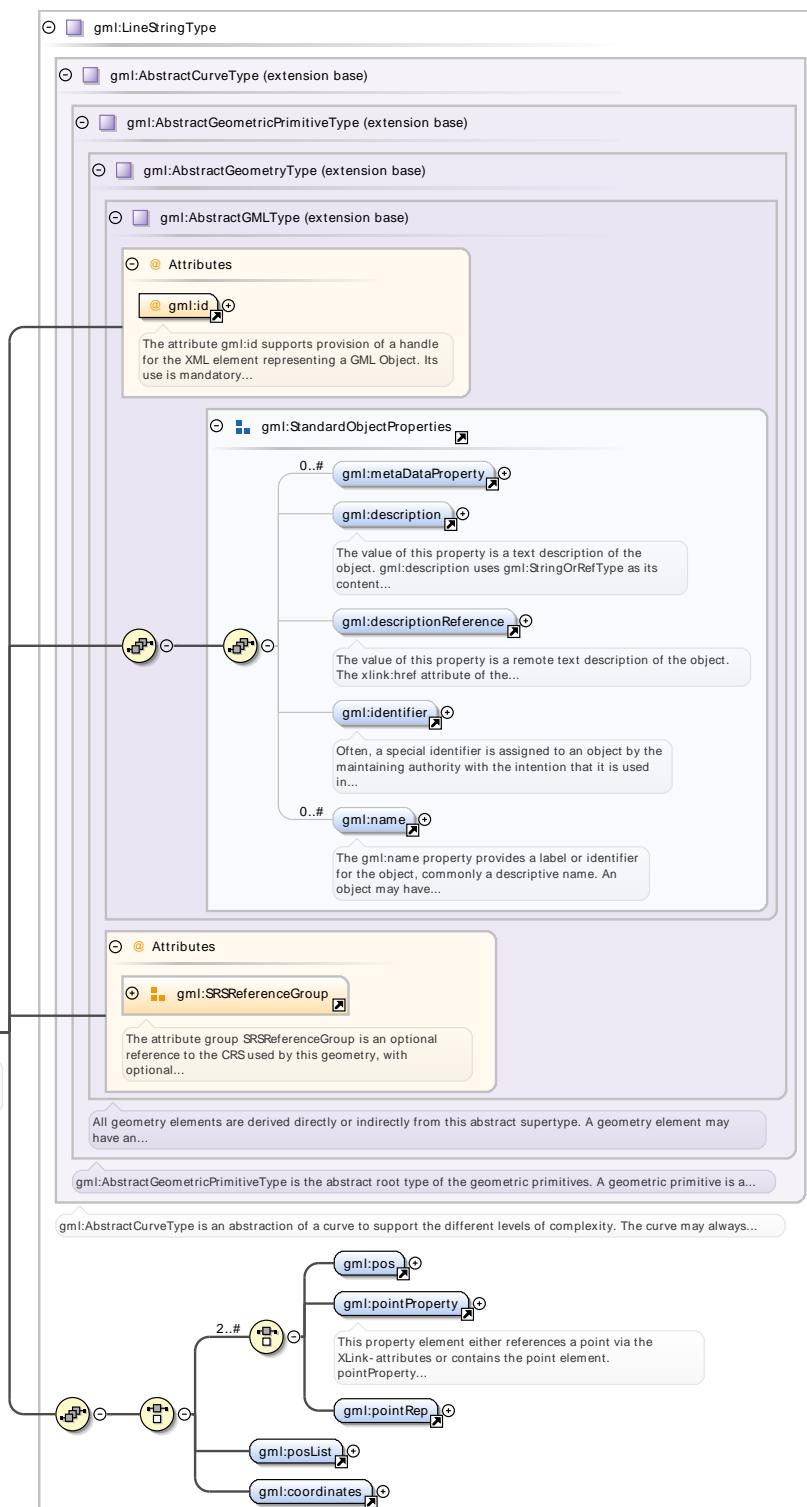
Element PathLinkType / Distance

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Distance parcourue par le cheminement
Diagram	<pre> graph LR Distance --- xsint[xs:int] </pre> <p>Distance parcourue par le cheminement</p> <p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p>
Type	xs:int
Properties	content: simple minOccurs: 0

Element PathLinkType / Geometry

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Tracé géographique du cheminement

Diagram



Type	gml:LineStringType		
Properties	content: complex minOccurs: 0		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

QName	Type	Use
srsDimension	positiveInteger	optional
srsName	anyURI	optional
uomLabels	gml:NCNameList	optional

Element PathLinkType / GuidanceInfo

Namespace	http://www.apisim.fr/common/1.0/itinerary				
Annotations	Instruction associée à un guidage à ce niveau du cheminement				
Diagram	<pre> classDiagram class GuidanceInfoType class Instruction class Language class Extension GuidanceInfoType "0..1" -- "1..1" Instruction Instruction "0..1" -- "1..1" Language Language "0..1" -- "1..1" Extension note over GuidanceInfoType: Instruction associée à un guidage à ce niveau du cheminement note over Instruction: Instruction de guidage exprimée dans une langue donnée note over Language: Code langue note over Extension: Extension note over GuidanceInfoType: Structure qui décrit une instruction de guidage </pre>				
Type	GuidanceInfoType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element PathLinkType / Extension

Namespace	http://www.apisim.fr/common/1.0/itinerary				
Diagram	<pre> classDiagram class PathLinkExtensionType class Extension class any PathLinkExtensionType "0..1" -- "1..1" Extension Extension "0..1" -- "1..1" any note over Extension: Extension de la structure PathLinkType </pre>				
Type	PathLinkExtensionType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element LegType / SelfDriveMode

Namespace	http://www.apisim.fr/common/1.0/itinerary		
Annotations	Enumération des modes de transport		
Diagram	<pre> classDiagram class SelfDriveMode class netex:AccessModeEnumeration SelfDriveMode "0..1" -- "1..1" netex:AccessModeEnumeration note over SelfDriveMode: Enumération des modes de transport note over netex:AccessModeEnumeration: Allowed values for Access MODEs for SITEs. </pre>		
Type	AccessModeEnumeration		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element LegType / Extension

Namespace	http://www.apisim.fr/common/1.0/itinerary
Diagram	<pre> classDiagram class LegExtensionType class Extension class any LegExtensionType "0..1" -- "1..1" Extension Extension "0..1" -- "1..1" any note over Extension: Extension prévue pour compléter la description du Leg </pre>

Type	LegExtensionType
Properties	content: complex minOccurs: 0

Simple Type(s)

Simple Type `transportModeEnumeration`

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Enumération des modes de transport
Diagram	<pre> classDiagram class TransportModeEnumeration class xsString TransportModeEnumeration "1" -- "0..1" xsString TransportModeEnumeration <<Enumération des modes de transport>> xsString <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>
Type	restriction of xs:string

Simple Type `tripPartEnumeration`

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Début ou fin d'itinéraire
Diagram	<pre> classDiagram class TripPartEnumeration class xsString TripPartEnumeration "1" -- "0..1" xsString TripPartEnumeration <<Début ou fin d'itinéraire>> xsString <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>
Type	restriction of xs:string

Simple Type `publicTransportModeEnumeration`

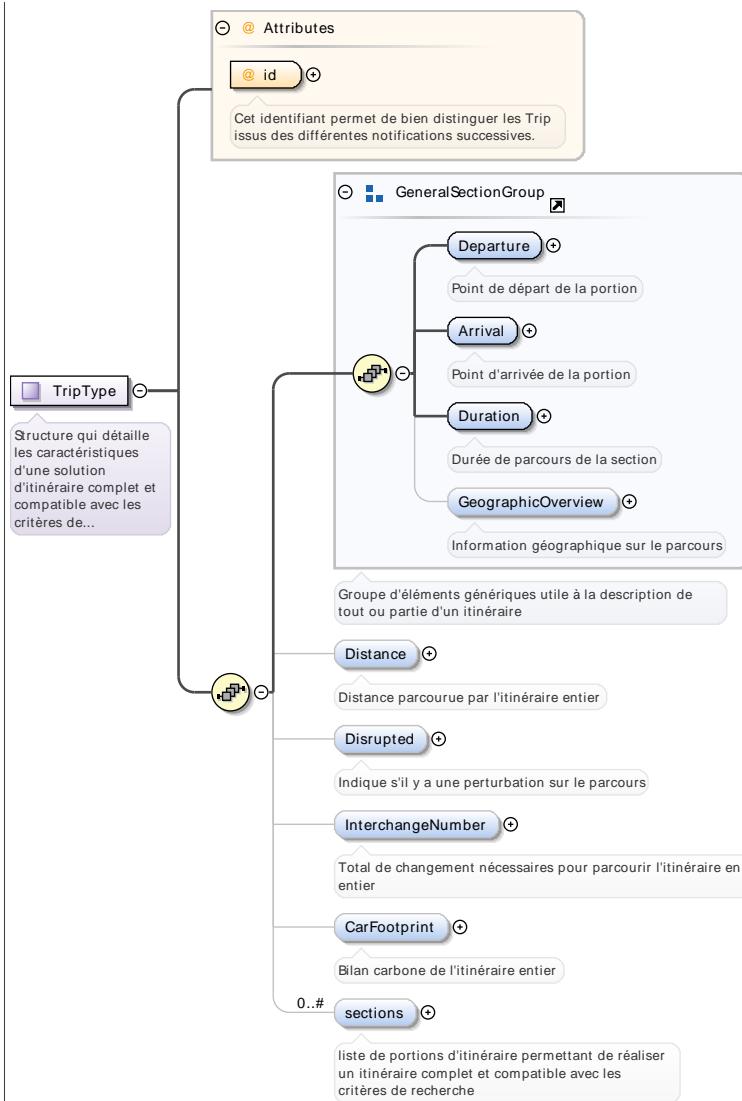
Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Enumération des modes de transport public
Diagram	<pre> classDiagram class PublicTransportModeEnumeration class xsString PublicTransportModeEnumeration "1" -- "0..1" xsString PublicTransportModeEnumeration <<Enumération des modes de transport public>> xsString <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>
Type	restriction of xs:string

Complex Type(s)

Complex Type `TripType`

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure qui détaille les caractéristiques d'une solution d'itinéraire complet et compatible avec les critères de recherche

Diagram



Attributes

QName	Type	Use	
id	xs:string	required	

Cet identifiant permet de bien distinguer les Trip issus des différentes notifications successives.

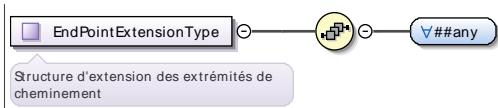
Complex Type EndPointType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure qui décrit une extrémité de cheminement (départ ou arrivée)
Diagram	<p>Diagram Description:</p> <ul style="list-style-type: none"> EndPointType (Group): <ul style="list-style-type: none"> TripStopPlace: Structure la plus générale qui représente un point de passage sur le parcours: adresse, arrêt, commune, etc... DateTime: Horaire de passage à ce point du cheminement Extension

Complex Type EndPointExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure d'extension des extrémités de cheminement

Diagram

**Complex Type CarbonFootprintType**

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure de description du bilan carbone d'un itinéraire complet
Diagram	<p>Structure de description du bilan carbone d'un itinéraire complet</p> <p>TripCO2</p> <p>Bilan carbone pour le trajet</p> <p>CarCO2</p> <p>Bilan carbone pour le trajet s'il est effectué en voiture entièrement</p> <p>Ratio</p> <p>Rapport entre les bilan carbone calculés, inférieur à 1 si le trajet émet moins de CO2 que s'il était fait entièrement...</p>

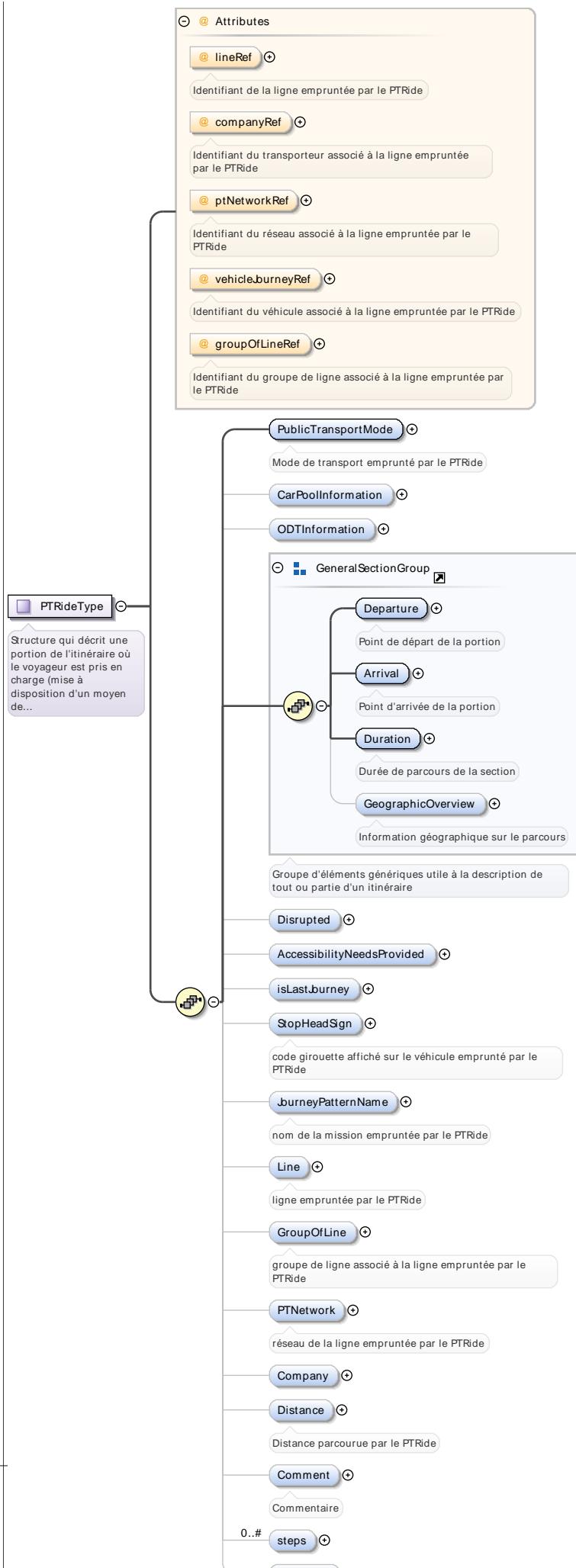
Complex Type SectionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Portion d'itinéraire réalisé à l'aide d'un même moyen de transport.
Diagram	<p>Portion d'itinéraire réalisé à l'aide d'un même moyen de transport.</p> <p>PartialTripId</p> <p>Identifiant de la portion d'itinéraire décrite</p> <p>PTRide</p> <p>Portion de l'itinéraire où le voyageur est pris en charge (mise à disposition d'un moyen de transport).</p> <p>Leg</p> <p>Portion de l'itinéraire où le voyageur assume seul son déplacement (véhicule éventuel et orientation).</p>

Complex Type PTRideType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure qui décrit une portion de l'itinéraire où le voyageur est pris en charge (mise à disposition d'un moyen de transport).

Diagram



Attributes	QName	Type	Use	
	companyRef	xs:string	optional	
		Identifiant du transporteur associé à la ligne empruntée par le PTRide		
	groupOfLineRef	xs:string	optional	
		Identifiant du groupe de ligne associé à la ligne empruntée par le PTRide		
	lineRef	xs:string	optional	
		Identifiant de la ligne empruntée par le PTRide		
	ptNetworkRef	xs:string	optional	
		Identifiant du réseau associé à la ligne empruntée par le PTRide		
	vehicleJourneyRef	xs:string	optional	
		Identifiant du véhicule associé à la ligne empruntée par le PTRide		

Complex Type CarPoolInformationType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure de description d'un itinéraire par co-voiturage
Diagram	

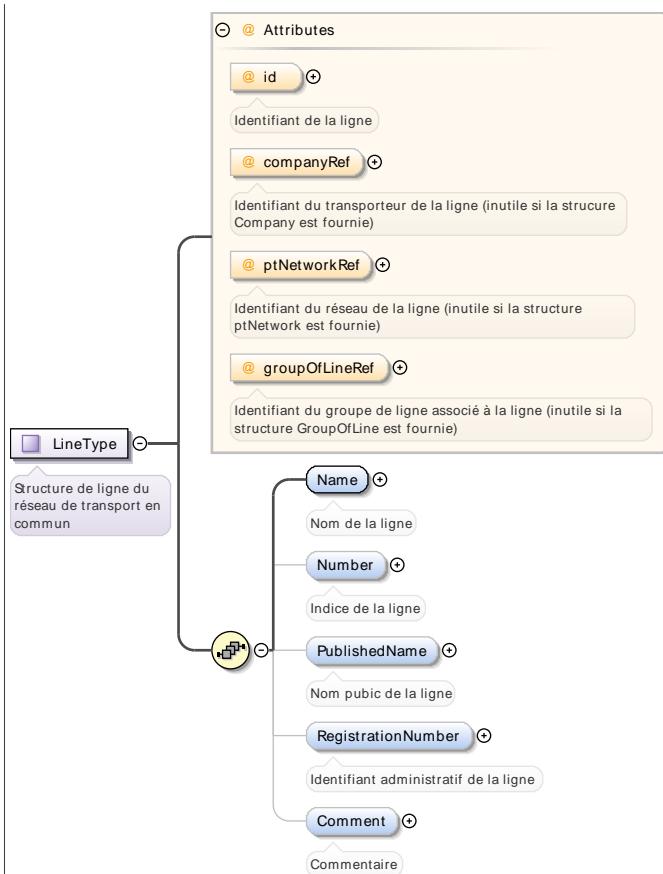
Complex Type ODTInformationType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure de description d'un itinéraire en Transport à la Demande (TAD en français)
Diagram	

Complex Type LineType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure de ligne du réseau de transport en commun

Diagram



Attributes

QName	Type	Use	
companyRef	xs:string	optional	
			Identifiant du transporteur de la ligne (inutile si la structure Company est fournie)
groupOfLineRef	xs:string	optional	
			Identifiant du groupe de ligne associé à la ligne (inutile si la structure GroupOfLine est fournie)
id	xs:string	optional	
			Identifiant de la ligne
ptNetworkRef	xs:string	optional	
			Identifiant du réseau de la ligne (inutile si la structure ptNetwork est fournie)

Complex Type GroupOfLineType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Structure qui décrit le groupe de ligne		
Diagram	<p>The diagram illustrates the structure of the GroupOfLineType complex type. It consists of the following components:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> @ id: Identifiant du groupe de ligne (Identifier of the line group). Associations: <ul style="list-style-type: none"> GroupOfLineType is associated with Name. 		
Attributes	QName	Type	Use
	id	xs:string	optional
			Identifiant du groupe de ligne

Complex Type PTNetworkType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
-----------	--------------------------------------------	--	--

Annotations	Structure qui décrit le réseau		
Diagram	<pre> classDiagram class PTNetworkType { @id xsd:string Name xsd:string VersionDate xsd:string RegistrationNumber xsd:string Comment xsd:string } PTNetworkType < -- PTNetworkType </pre>		
Attributes	QName id	Type xs:string	Use optional Identifiant du réseau de transport

Complex Type CompanyType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Structure qui décrit le transporteur		
Diagram	<pre> classDiagram class CompanyType { @id xsd:string Name xsd:string RegistrationNumber xsd:string ShortName xsd:string OrganisationalUnit xsd:string OperatingDepartementName xsd:string Phone xsd:string Code xsd:string Fax xsd:string Email xsd:string } CompanyType < -- CompanyType </pre>		
Attributes	QName id	Type xs:string	Use optional Identifiant du transporteur

Complex Type StepType

Namespace	http://www.apiisim.fr/common/1.0/itinerary											
Annotations	Structure qui décrit une section de transport en commun. Tout au long d'une section, le voyageur est à bord d'un même véhicule.											
Diagram	<pre> classDiagram class StepType { <<Structure qui décrit une section de transport en commun. Tout au long d'une section, le voyageur est à bord d'un même véhicule...>> } StepType < -- EndPointType StepType { @id : xs:string Departure Arrival Geometry Duration Distance GuidanceInfo Extension } </pre>											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="2">Identifiant de la section de transport en commun</td></tr> </tbody> </table>	QName	Type	Use	id	xs:string	optional		Identifiant de la section de transport en commun			
QName	Type	Use										
id	xs:string	optional										
	Identifiant de la section de transport en commun											

Complex Type StepEndPointType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Diagram	<pre> classDiagram class StepEndPointType { <<Structure qui décrit une extrémité de cheminement (départ ou arrivée)>> } StepEndPointType < -- EndPointType StepEndPointType { TripStopPlace DateTime Extension PassThrough } </pre>		
Type	extension of EndPointType		

Complex Type GuidanceInfoType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Structure qui décrit une instruction de guidage		



Complex Type GuidanceInfoExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Diagram	

Complex Type StepExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Extension de la structure StepType
Diagram	

Complex Type PTRideExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Extension prévue pour compléter la description du PTRide
Diagram	

Complex Type LegType

Namespace	http://www.apiisim.fr/common/1.0/itinerary
Annotations	Structure qui décrit une portion de l'itinéraire où le voyageur assume seul son déplacement (véhicule éventuel et orientation).
Diagram	<pre> classDiagram class LegType class GeneralSectionGroup class pathLinks class SelfDriveMode class Departure class Arrival class Duration class GeographicOverview LegType "0..1" --> GeneralSectionGroup GeneralSectionGroup "0..1" --> pathLinks GeneralSectionGroup "0..1" --> SelfDriveMode GeneralSectionGroup "0..1" --> Departure Departure "0..1" --> Arrival Arrival "0..1" --> Duration Duration "0..1" --> GeographicOverview </pre>

Complex Type PathLinkType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Structure qui décrit un cheminement qui n'emprunte pas de véhicule de transport en commun		
Diagram			
Attributes	QName	Type	Use
	id	xs:string	optional
		Identifiant du cheminement	

Complex Type PathLinkExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Extension de la structure PathLinkType		
Diagram			

Complex Type LegExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Annotations	Extension prévue pour compléter la description du Leg		
Diagram			

Complex Type StepEndPointExtensionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
Diagram			

Element Group(s)

Element Group GeneralSectionGroup

Namespace	http://www.apiisim.fr/common/1.0/itinerary		
-----------	--------------------------------------------	--	--

Annotations	Groupe d'éléments génériques utile à la description de tout ou partie d'un itinéraire
Diagram	<pre> classDiagram class GeneralSectionGroup { Departure Point de départ de la portion Arrival Point d'arrivée de la portion Duration Durée de parcours de la section GeographicOverview Information géographique sur le parcours } </pre>

Namespace: "http://www.opengis.net/gml/3.2"

Schema(s)

Imported schema gml.xsd

Namespace	http://www.opengis.net/gml/3.2
Annotations	GML is an OGC Standard. Copyright (c) 2007,2010 Open Geospatial Consortium. To obtain additional rights of use, visit http://www.opengeospatial.org/legal/ .
Properties	attribute form default: unqualified element form default: qualified version: 3.2.1.2

Element(s)

Element gml:metaDataProperty

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<pre> classDiagram class gml:MetaDataPropertyType { metaDataProperty gml:AssociationAttributeGroup gml:AbstractMetaData } </pre>																																								
Type	gml:MetaDataPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>about</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	about	anyURI		optional	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional
QName	Type	Fixed	Use																																						
about	anyURI		optional																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						

QName	Type	Fixed	Use
xlink:type	xlink:typeType	simple	optional

Element `gml:AbstractMetaData`

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	<code>gml:AbstractMetaDataType</code>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>abstract:</td> <td>true</td> </tr> <tr> <td>mixed:</td> <td>true</td> </tr> </table>	content:	complex	abstract:	true	mixed:	true
content:	complex						
abstract:	true						
mixed:	true						
Substitution Group	<ul style="list-style-type: none"> • <code>gml:GenericMetaData</code> 						
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractObject</code> 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>optional</td> </tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<code>gml:id</code>	ID	optional
QName	Type	Use					
<code>gml:id</code>	ID	optional					

Element `gml:description`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The value of this property is a text description of the object. <code>gml:description</code> uses <code>gml:StringOrRefType</code> as its content model, so it may contain a simple text string content, or carry a reference to an external description. The use of <code>gml:description</code> to reference an external description has been deprecated and replaced by the <code>gml:descriptionReference</code> property.
Diagram	

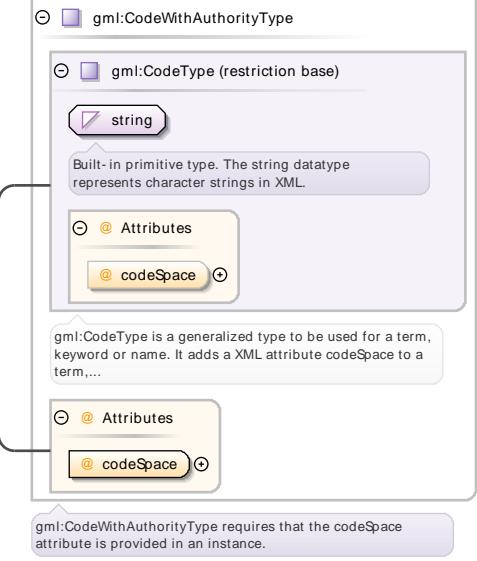
Type	gml:StringOrRefType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:descriptionReference

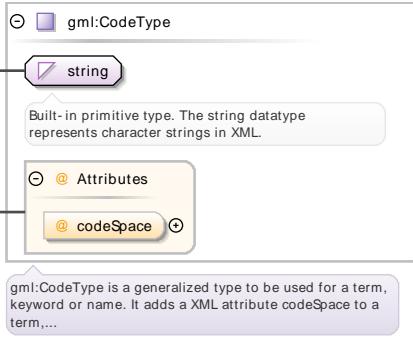
Namespace	http://www.opengis.net/gml/3.2																																																											
Annotations	The value of this property is a remote text description of the object. The xlink:href attribute of the gml:descriptionReference property references the external description.																																																											
Diagram	<p>The diagram illustrates the structure of the gml:ReferenceType element. It is defined as a complex type (complexType) with attributes. The attributes include gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup, both of which are inheritance groups. The gml:AssociationAttributeGroup is specifically noted for supporting hypertext referencing in XML. The descriptionReference property is shown as a reference to an external description, with a note explaining its purpose.</p>																																																											
Type	gml:ReferenceType																																																											
Properties	content: complex																																																											
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Fixed</td> <td>Default</td> <td>Use</td> </tr> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																								
gml:remoteSchema	anyURI			optional																																																								
nilReason	gml:NilReasonType			optional																																																								
owns	boolean		false	optional																																																								
xlink:actuate	xlink:actuateType			optional																																																								
xlink:arcrole	xlink:arcroleType			optional																																																								
xlink:href	xlink:hrefType			optional																																																								
xlink:role	xlink:roleType			optional																																																								
xlink:show	xlink:showType			optional																																																								
xlink:title	xlink:titleAttrType			optional																																																								
xlink:type	xlink:typeType	simple		optional																																																								

Element gml:identifier

Namespace	http://www.opengis.net/gml/3.2				
Annotations	Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in references to the object. For such cases, the codeSpace shall be provided. That identifier is usually unique either globally or within an application domain. gml:identifier is a pre-defined property for such identifiers.				

Diagram									
Type	gml:CodeWithAuthorityType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>required</td><td></td></tr> </tbody> </table>	QName	Type	Use		codeSpace	anyURI	required	
QName	Type	Use							
codeSpace	anyURI	required							

Element **gml:name**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	<p>The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have several names, typically assigned by different authorities. gml:name uses the gml:CodeType content model. 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. In common usage there will be one name per authority, so a processing application may select the name from its preferred codeSpace.</p>								
Diagram									
Type	gml:CodeType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		codeSpace	anyURI	optional	
QName	Type	Use							
codeSpace	anyURI	optional							

Element **gml:pos**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																
Type	gml:DirectPositionType															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element gml:pointProperty

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	This property element either references a point via the XLink-attributes or contains the point element. pointProperty is the predefined property which may be used by GML Application Schemas whenever a GML feature has a property with a value that is substitutable for Point.																																								
Diagram																																									
Type	gml:PointPropertyType																																								
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional
QName	Type	Fixed	Default	Use																																					
gml:remoteSchema	anyURI			optional																																					
nilReason	gml:NilReasonType			optional																																					
owns	boolean		false	optional																																					
xlink:actuate	xlink:actuateType			optional																																					
xlink:arcrole	xlink:arcroleType			optional																																					
xlink:href	xlink:hrefType			optional																																					
xlink:role	xlink:roleType			optional																																					

QName	Type	Fixed	Default	Use
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element **gml:Point**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A Point is defined by a single coordinate tuple. The direct position of a point is specified by the pos element which is of type DirectPositionType.
Diagram	
Type	gml:PointType

Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeometricPrimitive		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element gml:coordinates

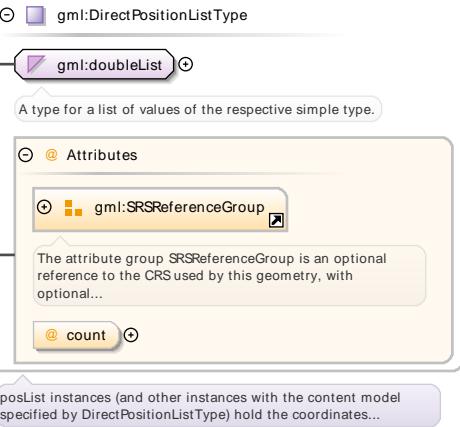
Namespace	http://www.opengis.net/gml/3.2																
Diagram	<p>The diagram illustrates the structure of the gml:CoordinatesType. It is defined as a string type. The string type is described as a built-in primitive type that represents character strings in XML. It has attributes: decimal, cs, and ts. A note indicates that this type is deprecated for tuples with ordinate values that are numbers. CoordinatesType is a text string, intended to...</p>																
Type	gml:CoordinatesType																
Properties	content: complex																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>cs</td> <td>string</td> <td>,</td> <td>optional</td> </tr> <tr> <td>decimal</td> <td>string</td> <td>.</td> <td>optional</td> </tr> <tr> <td>ts</td> <td>string</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	cs	string	,	optional	decimal	string	.	optional	ts	string		optional
QName	Type	Default	Use														
cs	string	,	optional														
decimal	string	.	optional														
ts	string		optional														

Element gml:pointRep

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

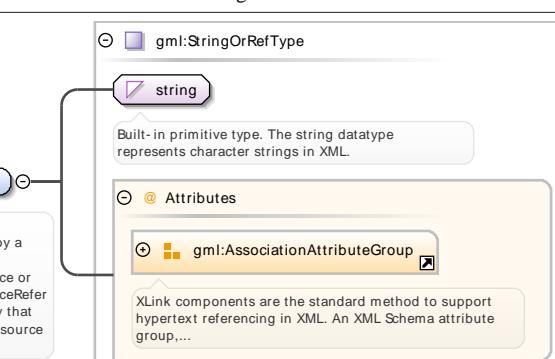
Diagram	 <p>The diagram illustrates the structure of the <code>gml:PointPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> <code>gml:AssociationAttributeGroup</code>: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group. <code>gml:OwnershipAttributeGroup</code>: Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or... Elements: <ul style="list-style-type: none"> <code>gml:Point</code>: A Point is defined by a single coordinate tuple. The direct position of a point is specified by the <code>pos</code> element which... <p>A property that has a point as its value domain may either be an appropriate geometry element encapsulated in an...</p>																																																							
Type	<code>gml:PointPropertyType</code>																																																							
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><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:posList`

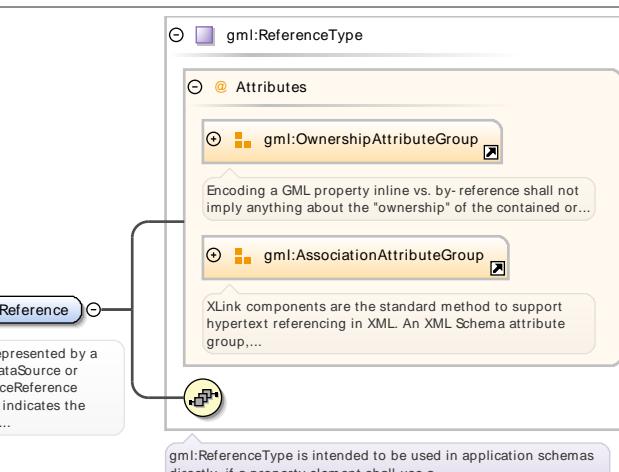
Namespace	http://www.opengis.net/gml/3.2									
Diagram	 <p>The diagram illustrates the structure of the <code>gml:DirectPositionListType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Elements: <ul style="list-style-type: none"> <code>gml:doubleList</code>: A type for a list of values of the respective simple type. Attributes: <ul style="list-style-type: none"> <code>gml:SRSReferenceGroup</code>: The attribute group <code>SRSReferenceGroup</code> is an optional reference to the CRS used by this geometry, with optional... <code>count</code> <p>posList instances (and other instances with the content model specified by <code>DirectPositionListType</code>) hold the coordinates...</p>									
Type	<code>gml:DirectPositionListType</code>									
Properties	content: complex									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td><td><code>gml:NCNameList</code></td><td>optional</td></tr> <tr> <td><code>count</code></td><td><code>positiveInteger</code></td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>count</code>	<code>positiveInteger</code>	optional
QName	Type	Use								
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional								
<code>count</code>	<code>positiveInteger</code>	optional								

QName	Type	Use
srsDimension	positiveInteger	optional
srsName	anyURI	optional
uomLabels	gml:NCNameList	optional

Element **gml: dataSource**

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	Evidence is represented by a simple gml: dataSource or gml: dataSourceReference property that indicates the source of the temporal data. The remote link attributes of the gml: dataSource element have been deprecated along with its current type.																																								
Diagram																																									
Type	gml: StringOrRefType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml: NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink: actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink: arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink: hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink: roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink: showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink: titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink: typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml: NilReasonType		optional	xlink:actuate	xlink: actuateType		optional	xlink:arcrole	xlink: arcroleType		optional	xlink:href	xlink: hrefType		optional	xlink:role	xlink: roleType		optional	xlink:show	xlink: showType		optional	xlink:title	xlink: titleAttrType		optional	xlink:type	xlink: typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml: NilReasonType		optional																																						
xlink:actuate	xlink: actuateType		optional																																						
xlink:arcrole	xlink: arcroleType		optional																																						
xlink:href	xlink: hrefType		optional																																						
xlink:role	xlink: roleType		optional																																						
xlink:show	xlink: showType		optional																																						
xlink:title	xlink: titleAttrType		optional																																						
xlink:type	xlink: typeType	simple	optional																																						

Element **gml: dataSourceReference**

Namespace	http://www.opengis.net/gml/3.2
Annotations	Evidence is represented by a simple gml: dataSource or gml: dataSourceReference property that indicates the source of the temporal data.
Diagram	

Type	gml:ReferenceType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

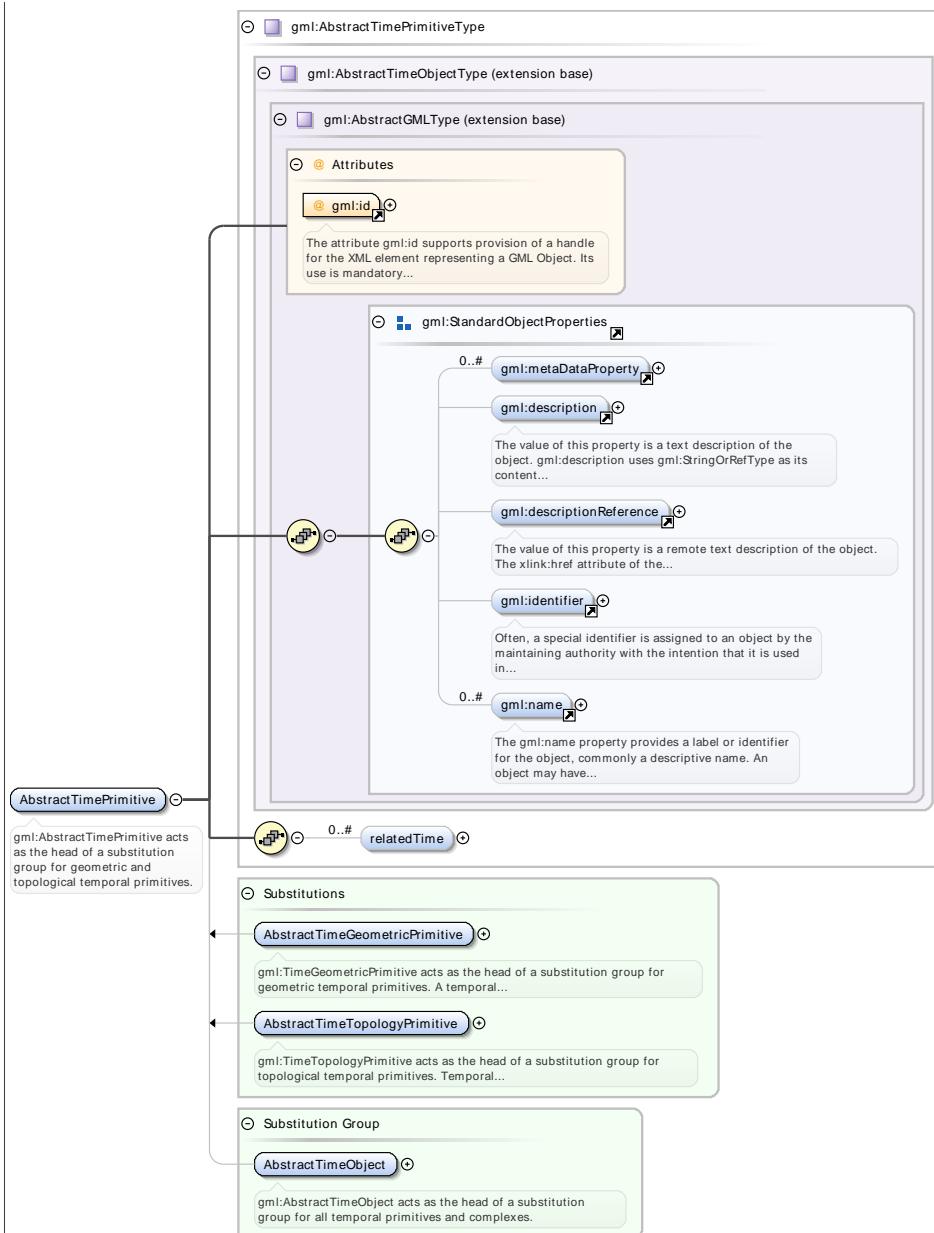
Element gml:validTime

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:validTime is a convenience property element.				
Diagram					
Type	gml:TimePrimitivePropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:AbstractTimePrimitive

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:AbstractTimePrimitive acts as the head of a substitution group for geometric and topological temporal primitives.				

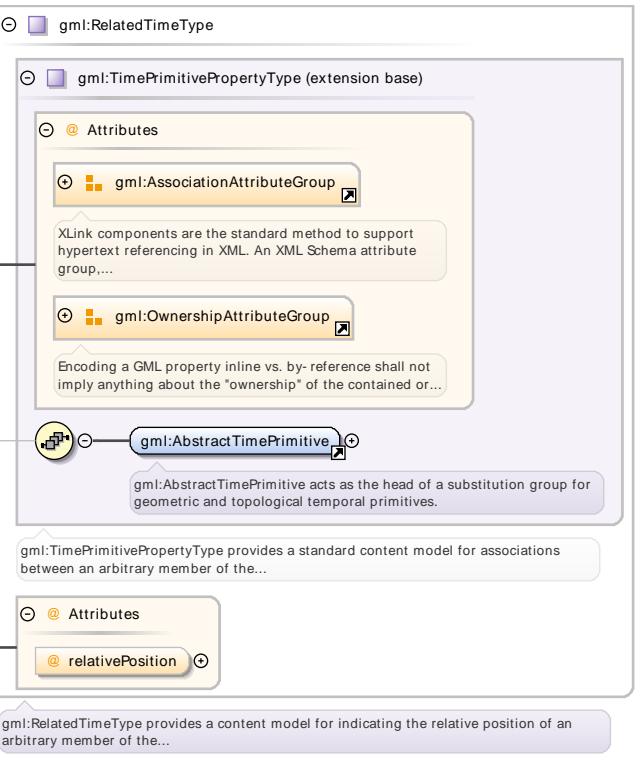
Diagram



Type	<code>gml:AbstractTimePrimitiveType</code>		
Properties	content: complex	abstract: true	
Substitution Group	<ul style="list-style-type: none"> <code>gml:AbstractTimeGeometricPrimitive</code> <code>gml:TimeInstant</code> <code>gml:TimePeriod</code> <code>gml:AbstractTimeTopologyPrimitive</code> <code>gml:TimeNode</code> <code>gml:TimeEdge</code> 		
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractTimeObject</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

QName	Type	Use	
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:AbstractTimePrimitiveType / gml:relatedTime

Namespace	http://www.opengis.net/gml/3.2																																																												
Diagram	 <p>The diagram illustrates the UML class <code>gml:RelatedTimeType</code> defined in the namespace <code>http://www.opengis.net/gml/3.2</code>. It is an extension of the base class <code>gml:TimePrimitivePropertyType</code>. The class has two attribute groups: <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." Another note specifies: "Encoding a GML property inline vs. by- reference shall not imply anything about the 'ownership' of the contained or..." The class also includes a reference to <code>gml:AbstractTimePrimitive</code> and a note: "gml:AbstractTimePrimitive acts as the head of a substitution group for geometric and topological temporal primitives." A note for the <code>gml:TimePrimitivePropertyType</code> base class states: "gml:TimePrimitivePropertyType provides a standard content model for associations between an arbitrary member of the..." A note for the <code>gml:RelatedTimeType</code> class states: "gml:RelatedTimeType provides a content model for indicating the relative position of an arbitrary member of the..." An attribute <code>relativePosition</code> is also shown.</p>																																																												
Type	<code>gml:RelatedTimeType</code>																																																												
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																																																												
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:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>relativePosition</code></td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>relativePosition</code>	restriction of string			optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																									
<code>gml:remoteSchema</code>	anyURI			optional																																																									
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																									
<code>owns</code>	boolean		false	optional																																																									
<code>relativePosition</code>	restriction of string			optional																																																									
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																									
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																									
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																									
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																									
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																									
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																									
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																									

Element `gml:history`

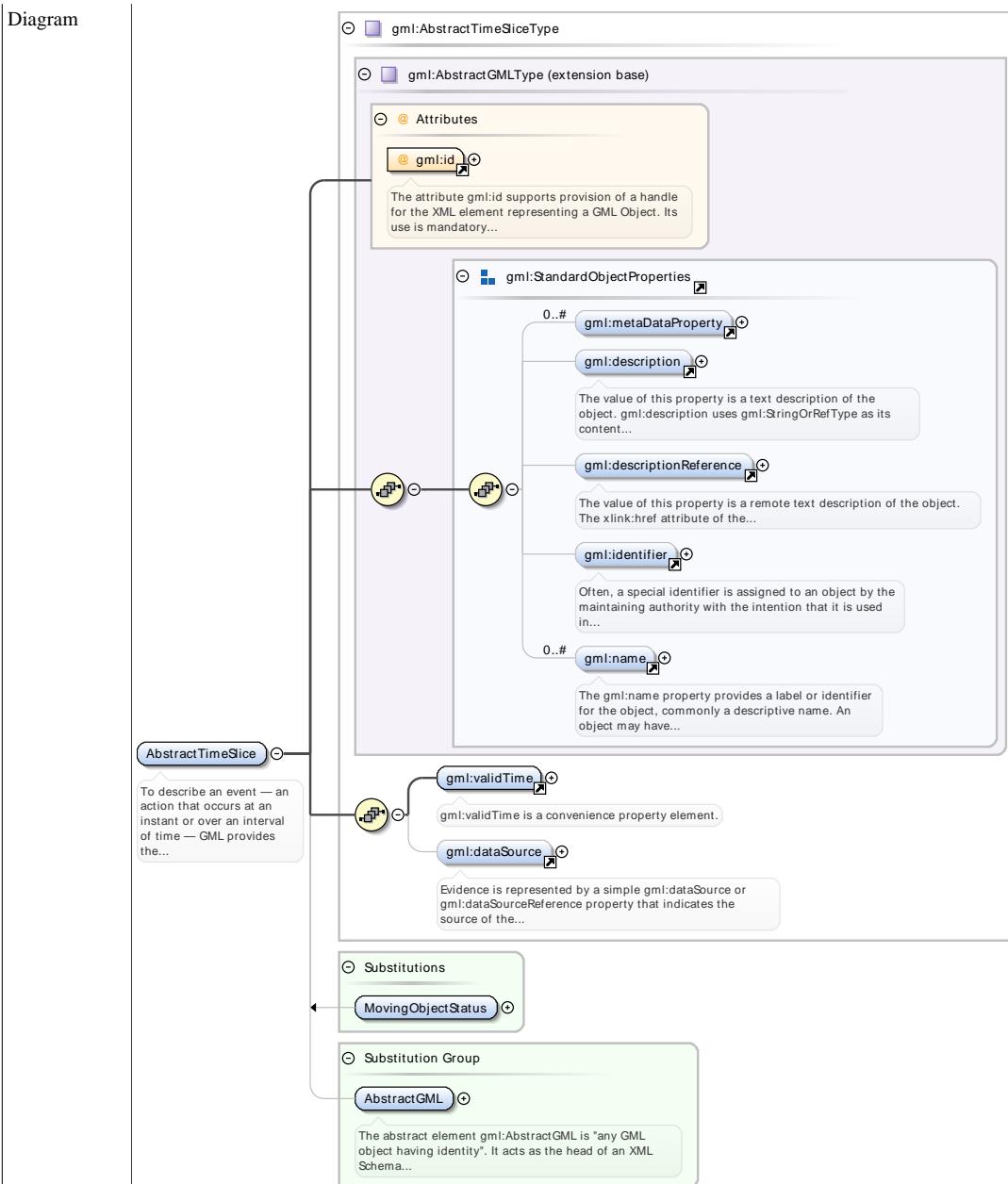
Namespace	http://www.opengis.net/gml/3.2
Annotations	A generic sequence of events constitute a gml:history of an object. The gml:history element contains a set of elements in the substitution group headed by the abstract element gml:AbstractTimeSlice, representing the time-varying properties of interest.

<p>The history property of a dynamic feature associates a feature instance with a sequence of time slices (i.e. change events) that encapsulate the evolution of the feature.</p>									
Diagram									
Type	gml:HistoryPropertyType								
Properties	content: complex								
Substitution Group	• gml:track								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element **gml:AbstractTimeSlice**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>To describe an event — an action that occurs at an instant or over an interval of time — GML provides the gml:AbstractTimeSlice element. A timeslice encapsulates the time-varying properties of a dynamic feature -- it shall be extended to represent a time stamped projection of a specific feature. The gml:dataSource property describes how the temporal data was acquired. A gml:AbstractTimeSlice instance is a GML object that encapsulates updates of the dynamic—or volatile—properties that reflect some change event; it thus includes only those feature properties that have actually changed due to some process. gml:AbstractTimeSlice basically provides a facility for attribute-level time stamping, in contrast to the object-level time stamping of dynamic feature instances. The time slice can thus be viewed as event or process-oriented, whereas a snapshot is more state or structure-oriented. A timeslice has richer causality, whereas a snapshot merely portrays the status of the whole.</p>

Diagram



Type	gml:AbstractTimeSliceType
------	---------------------------

Properties	content: complex abstract: true
------------	------------------------------------

Substitution Group	• gml:MovingObjectStatus
--------------------	--------------------------

Substitution Group Affiliation	• gml:AbstractGML
--------------------------------	-------------------

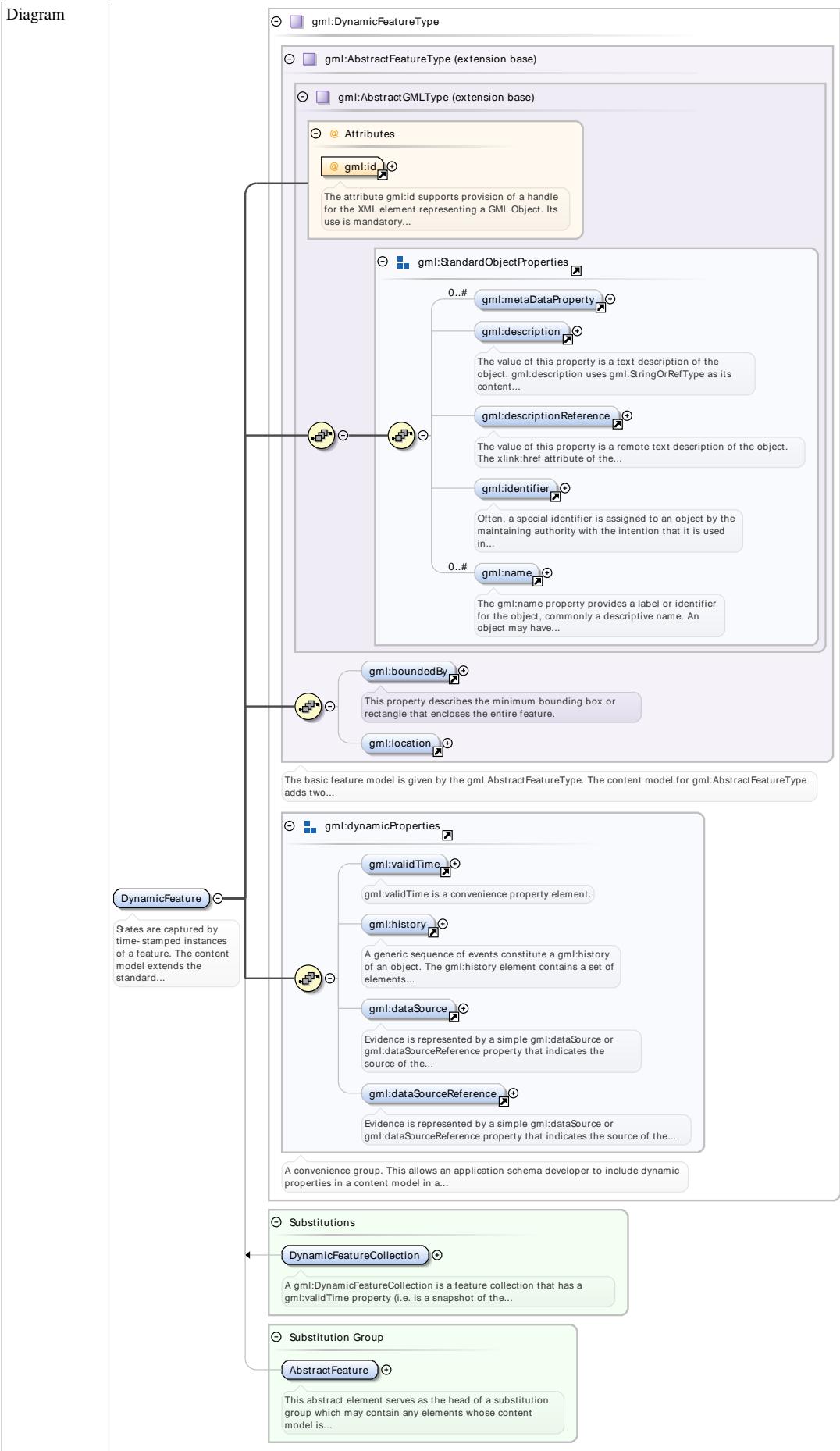
Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Element gml:DynamicFeature

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	States are captured by time-stamped instances of a feature. The content model extends the standard <code>gml:AbstractFeatureType</code> with the <code>gml:dynamicProperties</code> model group. Each time-stamped instance represents a 'snapshot' of a feature. The dynamic feature classes will normally be extended to suit particular applications. A dynamic feature bears either a time stamp or a history.
-------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Diagram



Type	gml:DynamicFeatureType								
Properties	content: complex								
Substitution Group	• gml:DynamicFeatureCollection								
Substitution Group Affiliation	• gml:AbstractFeature								
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </table>	QName	Type	Use	gml:id	ID	required		
QName	Type	Use							
gml:id	ID	required							
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.							

Element **gml:boundedBy**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	This property describes the minimum bounding box or rectangle that encloses the entire feature.								
Diagram	<pre> classDiagram class BoundingShapeType { @ nilReason gml:Envelope } class Envelope { lowerCorner upperCorner } BoundingShapeType "1" -- "2" Envelope </pre>								
Type	gml:BoundingShapeType								
Properties	content: complex nillable: true								
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td>optional</td> </tr> </table>	QName	Type	Use	nilReason	gml:NilReasonType	optional		
QName	Type	Use							
nilReason	gml:NilReasonType	optional							

Element **gml:Envelope**

Namespace	http://www.opengis.net/gml/3.2		
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). The use of the properties "coordinates" and "pos" has been deprecated. The explicitly named properties "lowerCorner" and "upperCorner" shall be used instead.		

Diagram																					
Type	gml:EnvelopeType																				
Properties	content: complex																				
Substitution Group	• gml:EnvelopeWithTimePeriod																				
Substitution Group Affiliation	• gml:AbstractObject																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td><td></td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td><td></td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
QName	Type	Use																			
axisLabels	gml:NCNameList	optional																			
srsDimension	positiveInteger	optional																			
srsName	anyURI	optional																			
uomLabels	gml:NCNameList	optional																			

Element gml:EnvelopeType / gml:lowerCorner

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:DirectPositionType
Properties	content: complex

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

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

Namespace	http://www.opengis.net/gml/3.2																	
Diagram																		
Type	gml:DirectPositionType																	
Properties	content: complex																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td></tr> </tbody> </table>			QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																
axisLabels	gml:NCNameList	optional																
srsDimension	positiveInteger	optional																
srsName	anyURI	optional																
uomLabels	gml:NCNameList	optional																

Element **gml:Null**

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:NilReasonType		
Properties	content: simple		

Element **gml:location**

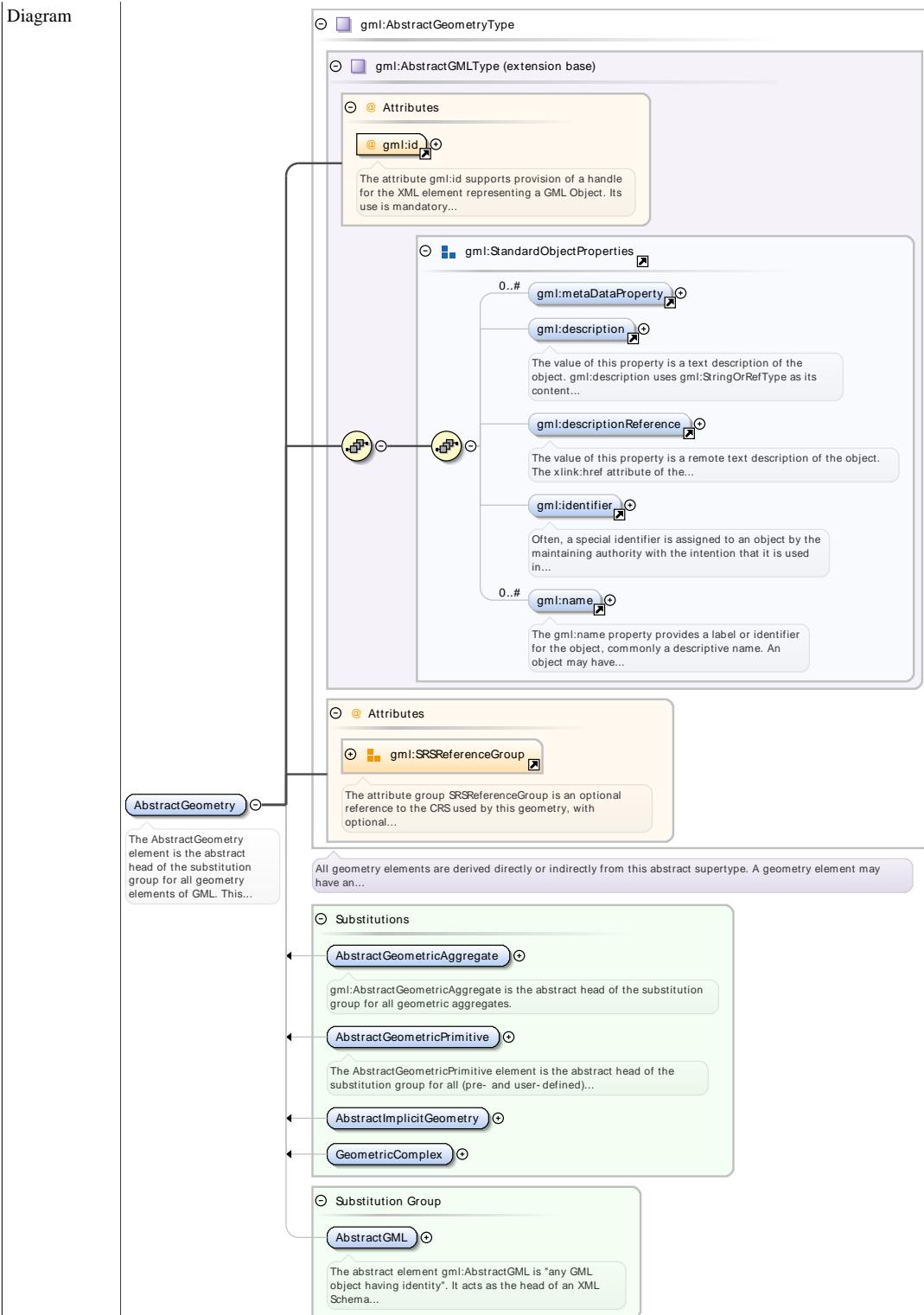
Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram																																									
Type	gml:LocationPropertyType																																								
Properties	content: complex																																								
Substitution Group	<ul style="list-style-type: none"> • gml:priorityLocation 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:AbstractGeometry**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The AbstractGeometry element is the abstract head of the substitution group for all geometry elements of GML. This includes pre-defined and user-defined geometry elements. Any geometry element shall be a direct or indirect extension/restriction of AbstractGeometryType and shall be directly or indirectly in the substitution group of AbstractGeometry.

Diagram

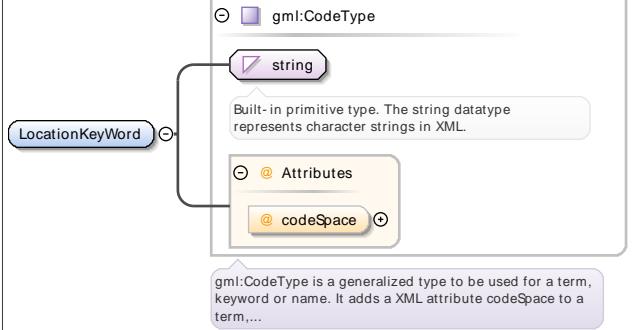


Type	<code>gml:AbstractGeometryType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>gml:AbstractGeometricPrimitive</code> • <code>gml:Point</code> • <code>gml:AbstractCurve</code> • <code>gml:LineString</code>

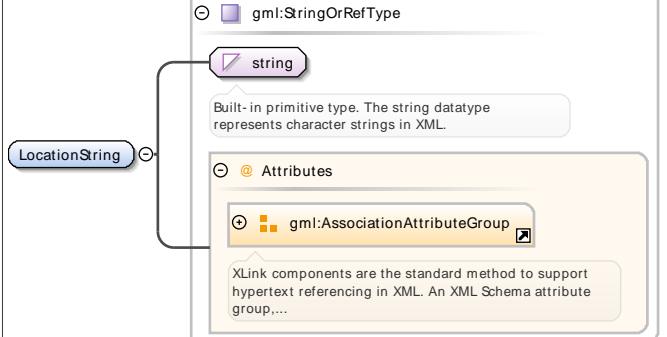
	<ul style="list-style-type: none"> • <code>gml:AbstractGeometricAggregate</code> • <code>gml:MultiGeometry</code> • <code>gml:MultiPoint</code> • <code>gml:MultiCurve</code> • <code>gml:MultiSurface</code> • <code>gml:MultiSolid</code> • <code>gml:GeometricComplex</code> • <code>gml:CompositeCurve</code> • <code>gml:Grid</code> • <code>gml:AbstractImplicitGeometry</code> • <code>gml:RectifiedGrid</code> • <code>gml:Curve</code> • <code>gml:OrientableCurve</code> • <code>gml:AbstractSolid</code> • <code>gml:Solid</code> • <code>gml:CompositeSolid</code> • <code>gml:AbstractSurface</code> • <code>gml:Polygon</code> • <code>gml:CompositeSurface</code> • <code>gml:Surface</code> • <code>gml:PolyhedralSurface</code> • <code>gml:TriangulatedSurface</code> • <code>gml:Tin</code> • <code>gml:OrientableSurface</code> 																												
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGML</code> 																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td><td><code>gml:NCNameList</code></td><td>optional</td><td></td></tr> <tr> <td><code>gml:id</code></td><td><code>ID</code></td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td><code>srsDimension</code></td><td><code>positiveInteger</code></td><td>optional</td><td></td></tr> <tr> <td><code>srsName</code></td><td><code>anyURI</code></td><td>optional</td><td></td></tr> <tr> <td><code>uomLabels</code></td><td><code>gml:NCNameList</code></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		<code>axisLabels</code>	<code>gml:NCNameList</code>	optional		<code>gml:id</code>	<code>ID</code>	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.			<code>srsDimension</code>	<code>positiveInteger</code>	optional		<code>srsName</code>	<code>anyURI</code>	optional		<code>uomLabels</code>	<code>gml:NCNameList</code>	optional	
QName	Type	Use																											
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																											
<code>gml:id</code>	<code>ID</code>	required																											
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.																												
<code>srsDimension</code>	<code>positiveInteger</code>	optional																											
<code>srsName</code>	<code>anyURI</code>	optional																											
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional																											

Element `gml:LocationKeyWord`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	 <p>gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term,....</p>								
Type	gml:CodeType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		codeSpace	anyURI	optional	
QName	Type	Use							
codeSpace	anyURI	optional							

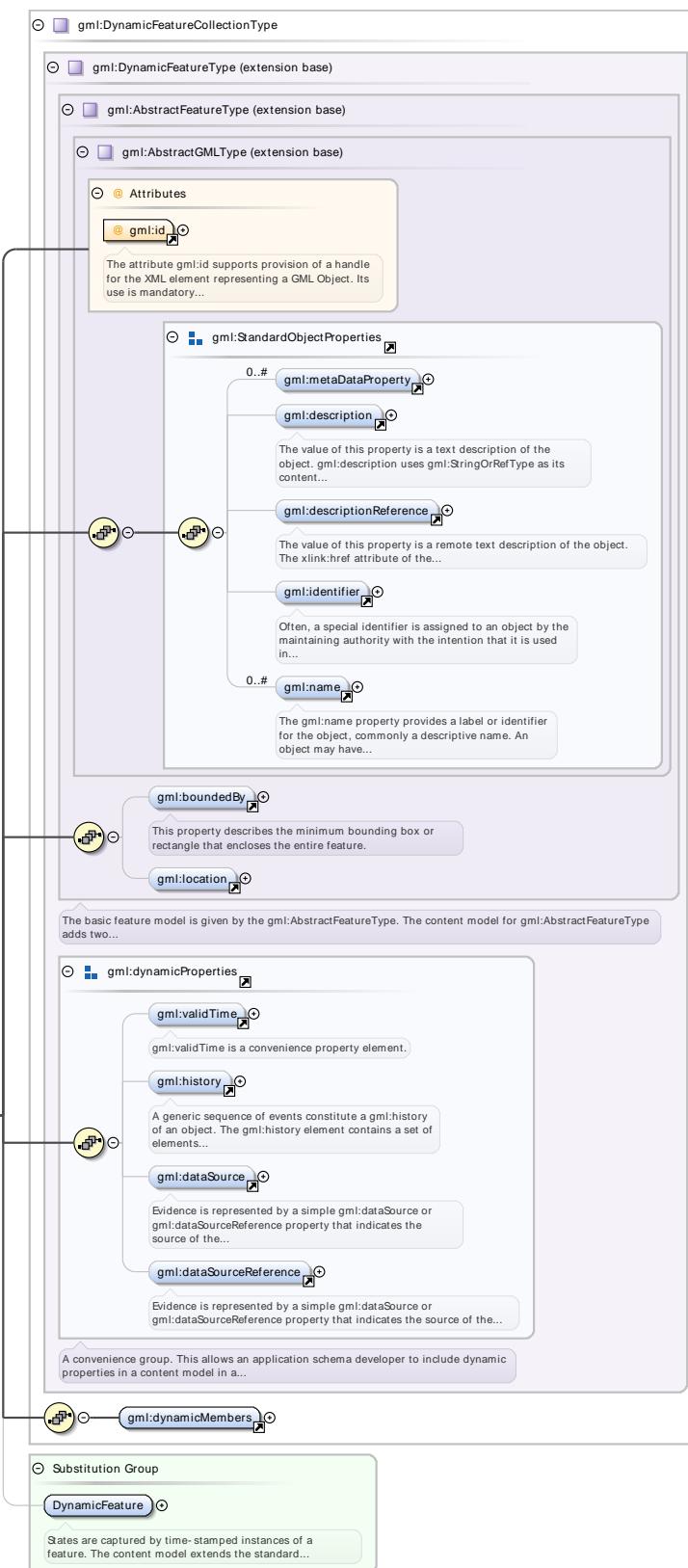
Element gml:LocationString

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	 <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p>																																								
Type	gml:StringOrRefType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:DynamicFeatureCollection

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A gml:DynamicFeatureCollection is a feature collection that has a gml:validTime property (i.e. is a snapshot of the feature collection) or which has a gml:history property that contains one or more gml:AbstractTimeSlices each of which contain values of the time varying properties of the feature collection. Note that the gml:DynamicFeatureCollection may be one of the following: 1. A feature collection which consists of static feature members (members do not change in time) but which has properties of the collection object as a whole that do change in time . 2. A feature collection which consists of dynamic feature members (the members are gml:DynamicFeatures) but which also has properties of the collection as a whole that vary in time.</p>

Diagram



Type	<code>gml:DynamicFeatureCollectionType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:DynamicFeature</code>

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

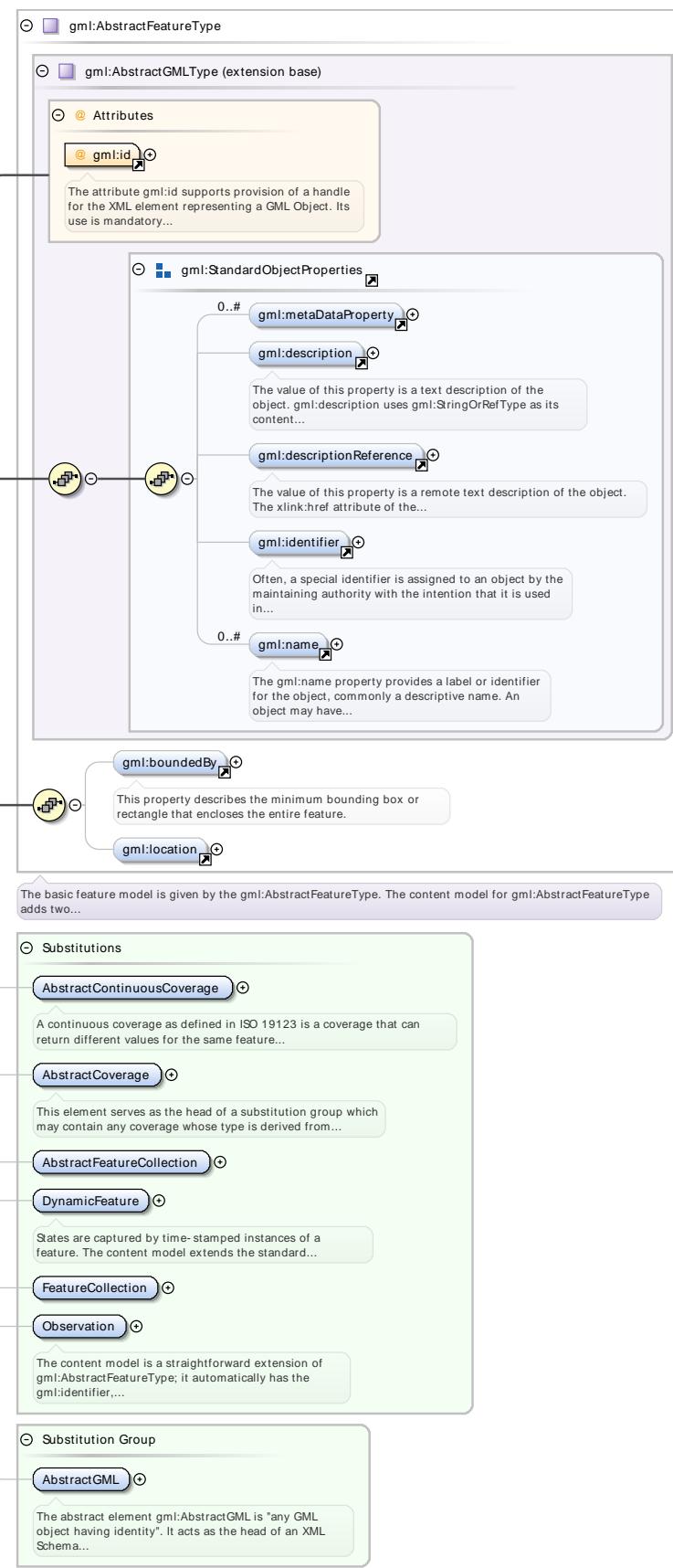
Element **gml:dynamicMembers**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram																																																								
Type	gml:DynamicFeatureMemberType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:AbstractFeature**

Namespace	http://www.opengis.net/gml/3.2
Annotations	This abstract element serves as the head of a substitution group which may contain any elements whose content model is derived from gml:AbstractFeatureType. This may be used as a variable in the construction of content models. gml:AbstractFeature may be thought of as "anything that is a GML feature" and may be used to define variables or templates in which the value of a GML property is "any feature". This occurs in particular in a GML feature collection where the feature member properties contain one or multiple copies of gml:AbstractFeature respectively.

Diagram



Type	<code>gml:AbstractFeatureType</code>
------	--------------------------------------

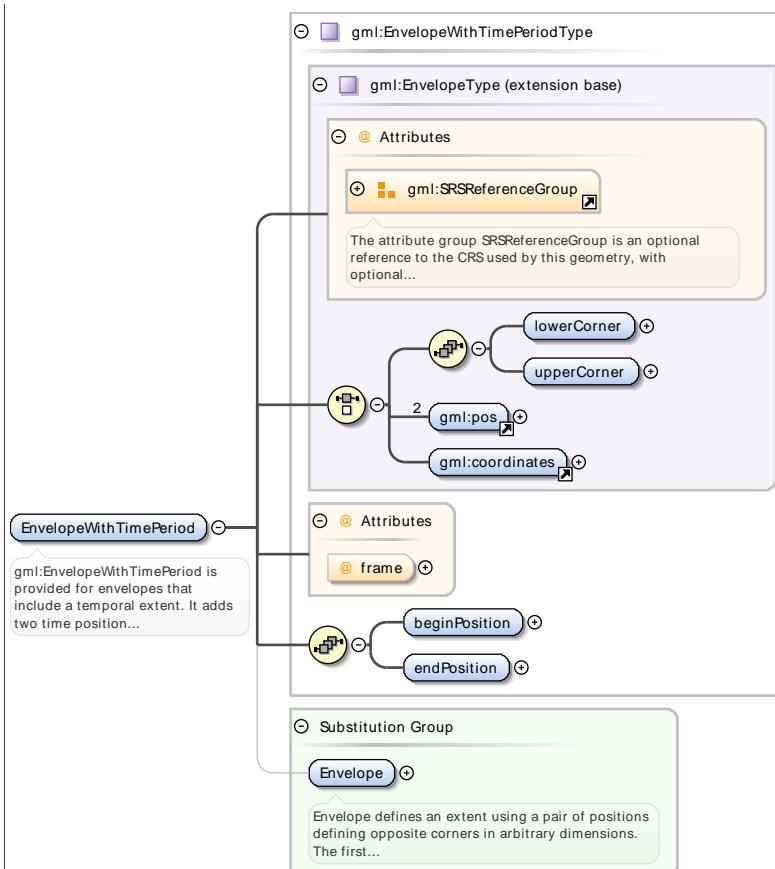
Properties	content: complex
	abstract: true

Substitution Group	<ul style="list-style-type: none"> • <code>gml:AbstractFeatureCollection</code> • <code>gml:FeatureCollection</code> • <code>gml:DynamicFeature</code> • <code>gml:DynamicFeatureCollection</code> • <code>gml:AbstractCoverage</code> • <code>gml:AbstractDiscreteCoverage</code> • <code>gml:MultiPointCoverage</code> • <code>gml:MultiCurveCoverage</code> • <code>gml:MultiSurfaceCoverage</code> • <code>gml:MultiSolidCoverage</code> • <code>gml:GridCoverage</code> • <code>gml:RectifiedGridCoverage</code> • <code>gml:AbstractContinuousCoverage</code> • <code>gml:Observation</code> • <code>gml:DirectedObservation</code> • <code>gml:DirectedObservationAtDistance</code> 												
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGML</code> 												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> </tbody> </table>	QName	Type	Use		<code>gml:id</code>	ID	required					The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use											
<code>gml:id</code>	ID	required											
			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.										

Element `gml:EnvelopeWithTimePeriod`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:EnvelopeWithTimePeriod</code> is provided for envelopes that include a temporal extent. It adds two time position properties, <code>gml:beginPosition</code> and <code>gml:endPosition</code> , which describe the extent of a time-envelope. Since <code>gml:EnvelopeWithTimePeriod</code> is assigned to the substitution group headed by <code>gml:Envelope</code> , it may be used whenever <code>gml:Envelope</code> is valid.

Diagram



Type

`gml:EnvelopeWithTimePeriodType`

Properties

content: complex

Substitution Group
Affiliation

- `gml:Envelope`

Attributes

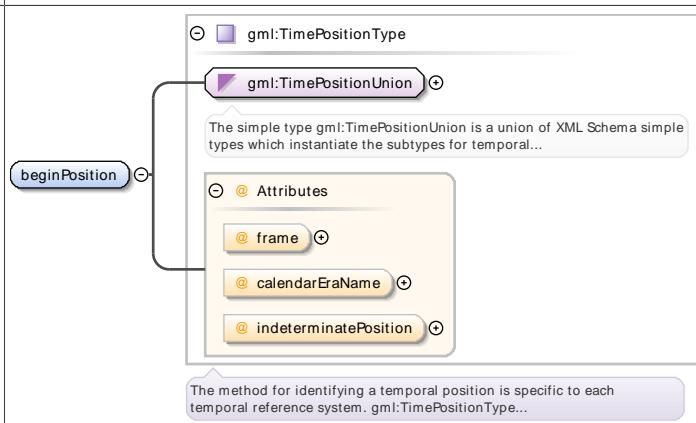
QName	Type	Default	Use	
<code>axisLabels</code>	<code>gml:NCNameList</code>		optional	
<code>frame</code>	<code>anyURI</code>	#ISO-8601	optional	
<code>srsDimension</code>	<code>positiveInteger</code>		optional	
<code>srsName</code>	<code>anyURI</code>		optional	
<code>uomLabels</code>	<code>gml:NCNameList</code>		optional	

Element `gml:EnvelopeWithTimePeriodType` / `gml:beginPosition`

Namespace

`http://www.opengis.net/gml/3.2`

Diagram



Type	gml:TimePositionType			
Properties	content: complex			
Attributes	QName	Type	Default	Use
	calendarEraName	string		optional
	frame	anyURI	#ISO-8601	optional
	indeterminatePosition	gml:TimeIndeterminateValueType		optional

Element gml:EnvelopeWithTimePeriodType / gml:endPosition

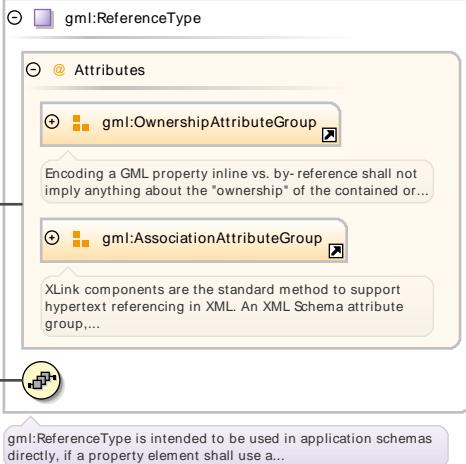
Namespace	http://www.opengis.net/gml/3.2																			
Diagram	<p>The diagram illustrates the structure of gml:TimePositionType. It is a union type (gml:TimePositionUnion) that includes attributes: frame (anyURI, default #ISO-8601), calendarEraName (string, optional), and indeterminatePosition (gml:TimeIndeterminateValueType, optional). A note at the bottom states: "The method for identifying a temporal position is specific to each temporal reference system. gml:TimePositionType..."</p>																			
Type	gml:TimePositionType																			
Properties	content: complex																			
Attributes	<table border="1"> <tr> <td>QName</td><td>Type</td><td>Default</td><td>Use</td></tr> <tr> <td>calendarEraName</td><td>string</td><td></td><td>optional</td></tr> <tr> <td>frame</td><td>anyURI</td><td>#ISO-8601</td><td>optional</td></tr> <tr> <td>indeterminatePosition</td><td>gml:TimeIndeterminateValueType</td><td></td><td>optional</td></tr> </table>				QName	Type	Default	Use	calendarEraName	string		optional	frame	anyURI	#ISO-8601	optional	indeterminatePosition	gml:TimeIndeterminateValueType		optional
QName	Type	Default	Use																	
calendarEraName	string		optional																	
frame	anyURI	#ISO-8601	optional																	
indeterminatePosition	gml:TimeIndeterminateValueType		optional																	

Element gml:locationName

Namespace	http://www.opengis.net/gml/3.2											
Annotations	The gml:locationName property element is a convenience property where the text value describes the location of the feature. If the location names are selected from a controlled list, then the list shall be identified in the codeSpace attribute.											
Diagram	<p>The diagram illustrates the structure of gml:CodeType. It is a string type (string) with an attribute codeSpace (anyURI, optional). A note at the bottom states: "gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term..."</p>											
Type	gml:CodeType											
Properties	content: complex											
Attributes	<table border="1"> <tr> <td>QName</td><td>Type</td><td>Use</td><td></td></tr> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td><td></td></tr> </table>				QName	Type	Use		codeSpace	anyURI	optional	
QName	Type	Use										
codeSpace	anyURI	optional										

Element gml:locationReference

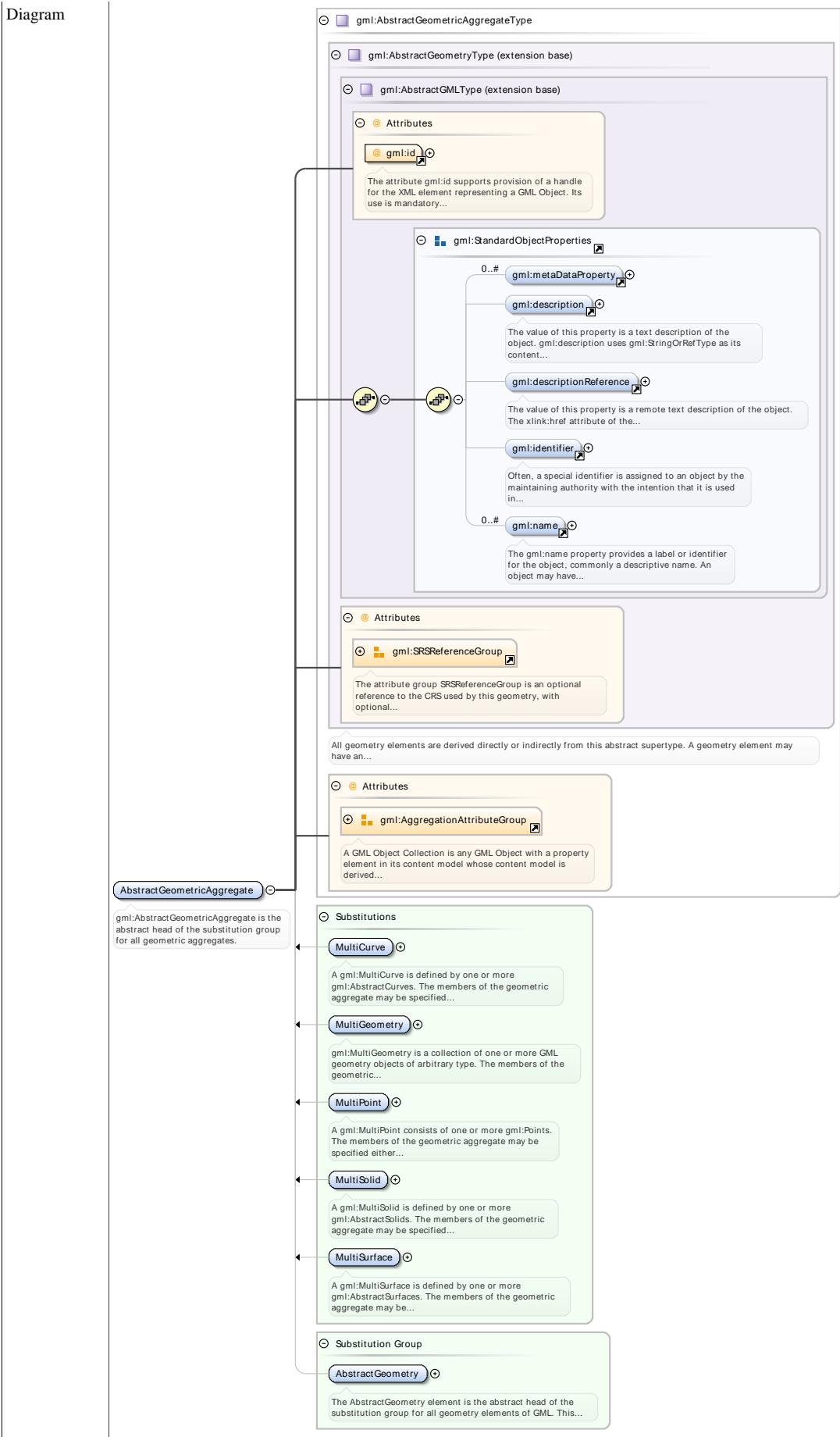
Namespace	http://www.opengis.net/gml/3.2			
-----------	--------------------------------	--	--	--

Annotations	The <code>gml:locationReference</code> property element is a convenience property where the text value referenced by the <code>xlink:href</code> attribute describes the location of the feature.																																																							
Diagram	 <p>The diagram illustrates the structure of <code>gml:ReferenceType</code>. It shows the type <code>gml:ReferenceType</code> with its attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box notes that encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or... The <code>gml:locationReference</code> property is highlighted with a red border and a callout box stating: "The <code>gml:locationReference</code> property element is a convenience property where the text value referenced by the <code>xlink:href</code> attribute describes the location of the feature." Another callout box for <code>gml:ReferenceType</code> states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</p>																																																							
Type	<code>gml:ReferenceType</code>																																																							
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><code>gml:remoteSchema</code></td> <td><code>anyURI</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td><code>boolean</code></td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	<code>anyURI</code>			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	<code>boolean</code>		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	<code>anyURI</code>			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	<code>boolean</code>		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:AbstractGeometricAggregate`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:AbstractGeometricAggregate</code> is the abstract head of the substitution group for all geometric aggregates.

Diagram



Type	gml:AbstractGeometricAggregateType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:MultiGeometry gml:MultiPoint gml:MultiCurve gml:MultiSurface gml:MultiSolid 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractGeometry 		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element gml:geometryMember

Namespace	http://www.opengis.net/gml/3.2				
Annotations	This property element either references a geometry element via the XLink-attributes or contains the geometry element.				
Diagram					
Type	gml:GeometryPropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional

QName	Type	Fixed	Default	Use
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

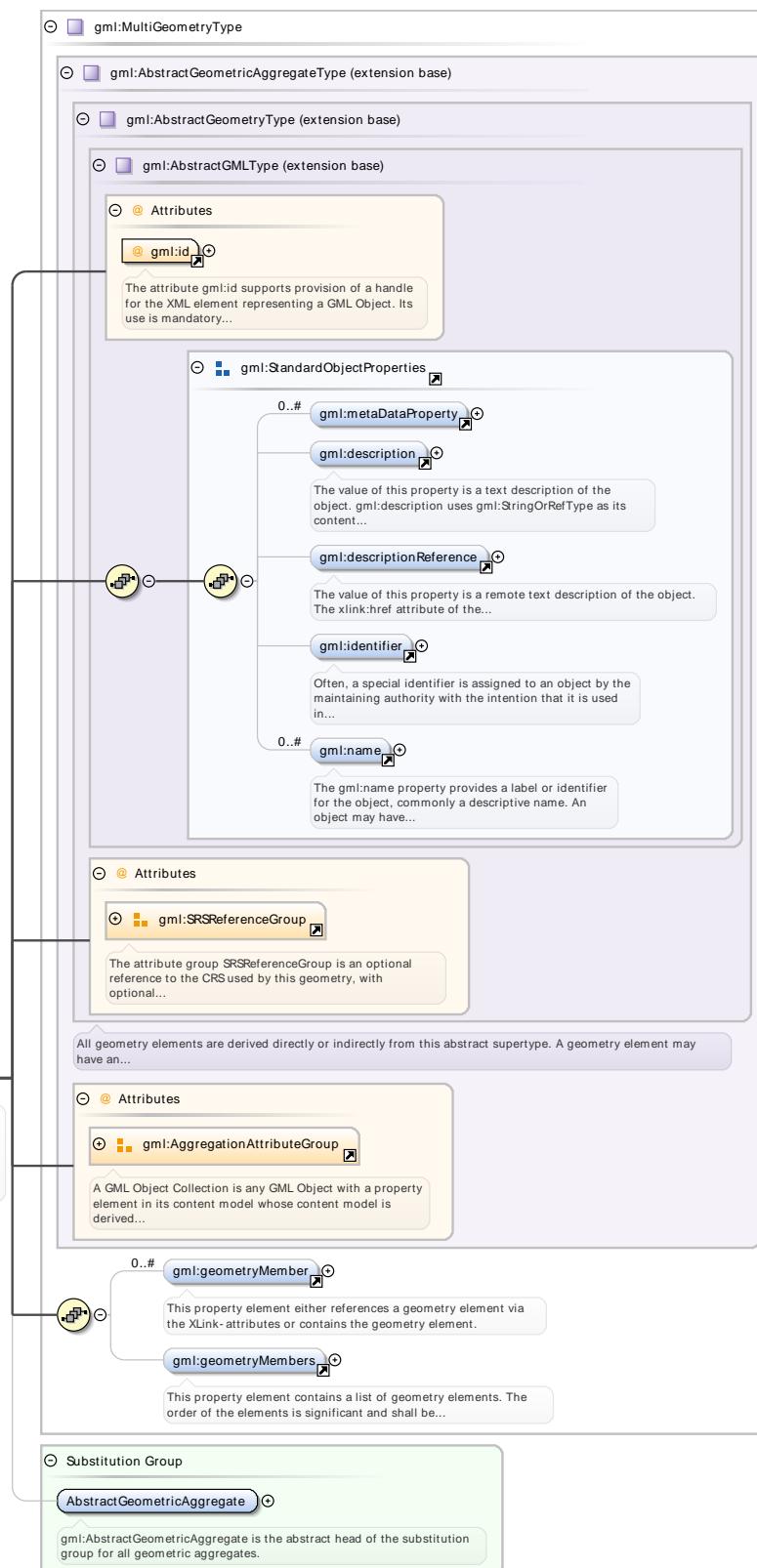
Element **gml:geometryMembers**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	This property element contains a list of geometry elements. The order of the elements is significant and shall be preserved when processing the array.								
Diagram									
Type	gml:GeometryArrayPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element **gml:MultiGeometry**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:MultiGeometry is a collection of one or more GML geometry objects of arbitrary type. The members of the geometric aggregate may be specified either using the "standard" property (gml:geometryMember) or the array property (gml:geometryMembers). It is also valid to use both the "standard" and the array properties in the same collection.

Diagram



Type	gml:MultiGeometryType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractGeometricAggregate

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element **gml:pointMember**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	This property element either references a Point via the XLink-attributes or contains the Point element.																																																							
Diagram	<p>The diagram illustrates the structure of the gml:PointPropertyType element. It is a complex type (complexType) with attributes (Attributes). The attributes include gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. The content of the type is a gml:Point element. A callout box points to the gml:Point element with the text: "A Point is defined by a single coordinate tuple. The direct position of a point is specified by the pos element which...". Another callout box points to the entire structure with the text: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". A third callout box points to the gml:Point element with the text: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...". A fourth callout box points to the entire structure with the text: "A property that has a point as its value domain may either be an appropriate geometry element encapsulated in an...".</p>																																																							
Type	gml:PointPropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:pointMembers**

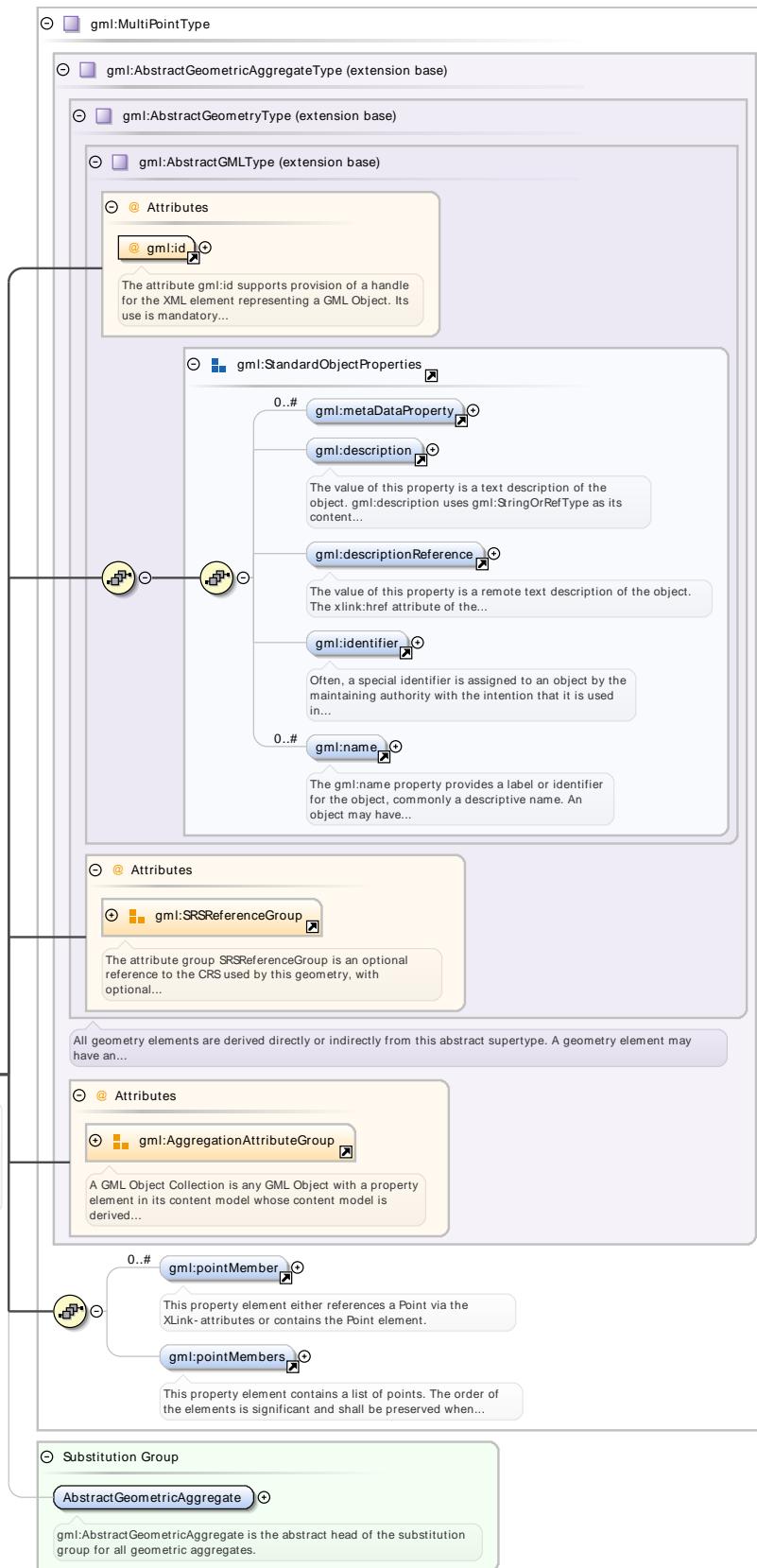
Namespace	http://www.opengis.net/gml/3.2
Annotations	This property element contains a list of points. The order of the elements is significant and shall be preserved when processing the array.

Diagram									
Type	gml:PointArrayPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element **gml:MultiPoint**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:MultiPoint consists of one or more gml:Points. The members of the geometric aggregate may be specified either using the "standard" property (gml:pointMember) or the array property (gml:pointMembers). It is also valid to use both the "standard" and the array properties in the same collection.

Diagram



Type	<code>gml:MultiPointType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGeometricAggregate</code>

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

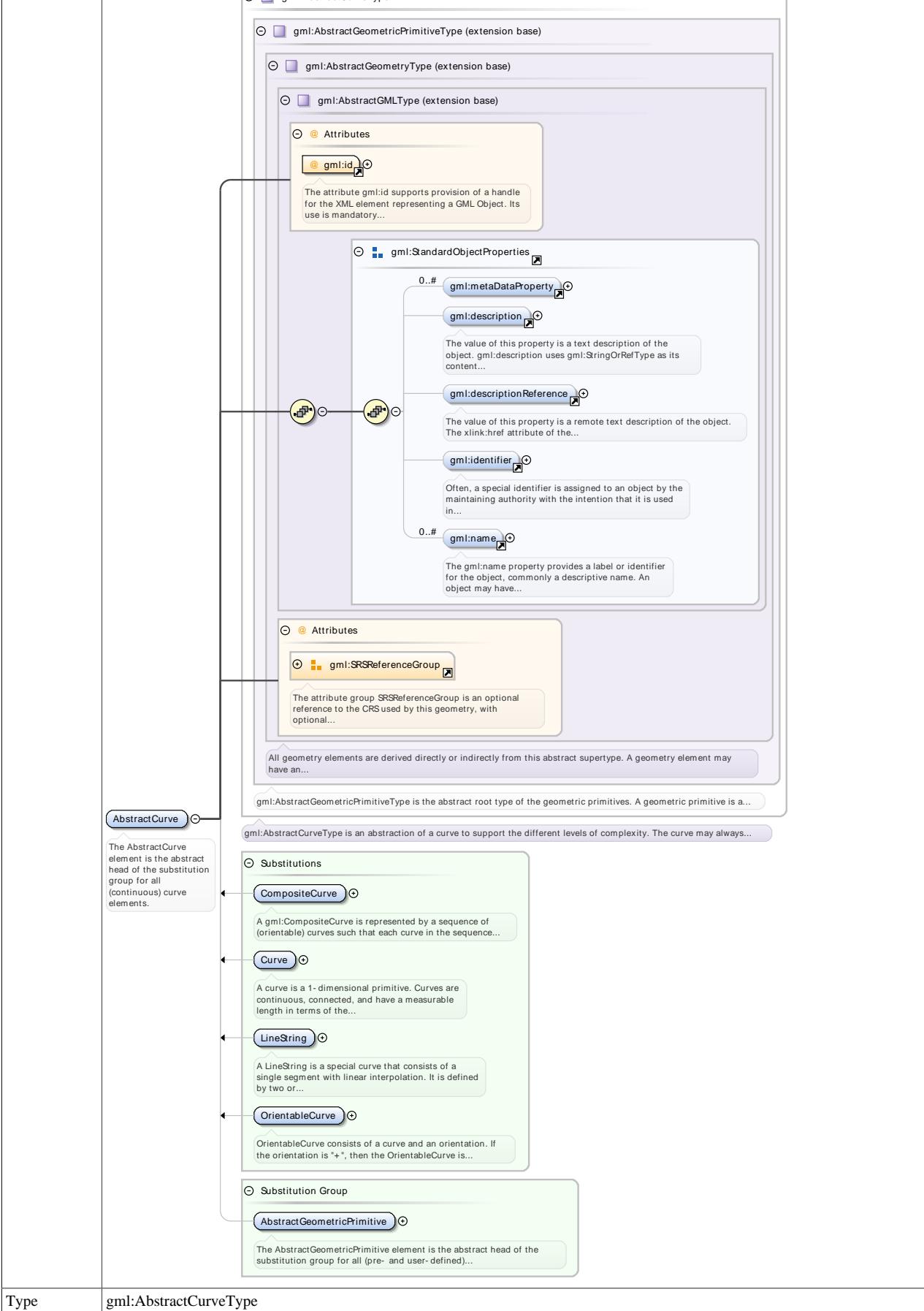
Element **gml:curveMember**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram																																																								
Type	gml:CurvePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:AbstractCurve**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The AbstractCurve element is the abstract head of the substitution group for all (continuous) curve elements.

Diagram



Properties	content: complex abstract: true																					
Substitution Group	<ul style="list-style-type: none"> • gml:LineString • gml:CompositeCurve • gml:Curve • gml:OrientableCurve 																					
Substitution Group Affiliation	• gml:AbstractGeometricPrimitive																					
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																				
axisLabels	gml:NCNameList	optional																				
gml:id	ID	required																				
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																					
srsDimension	positiveInteger	optional																				
srsName	anyURI	optional																				
uomLabels	gml:NCNameList	optional																				

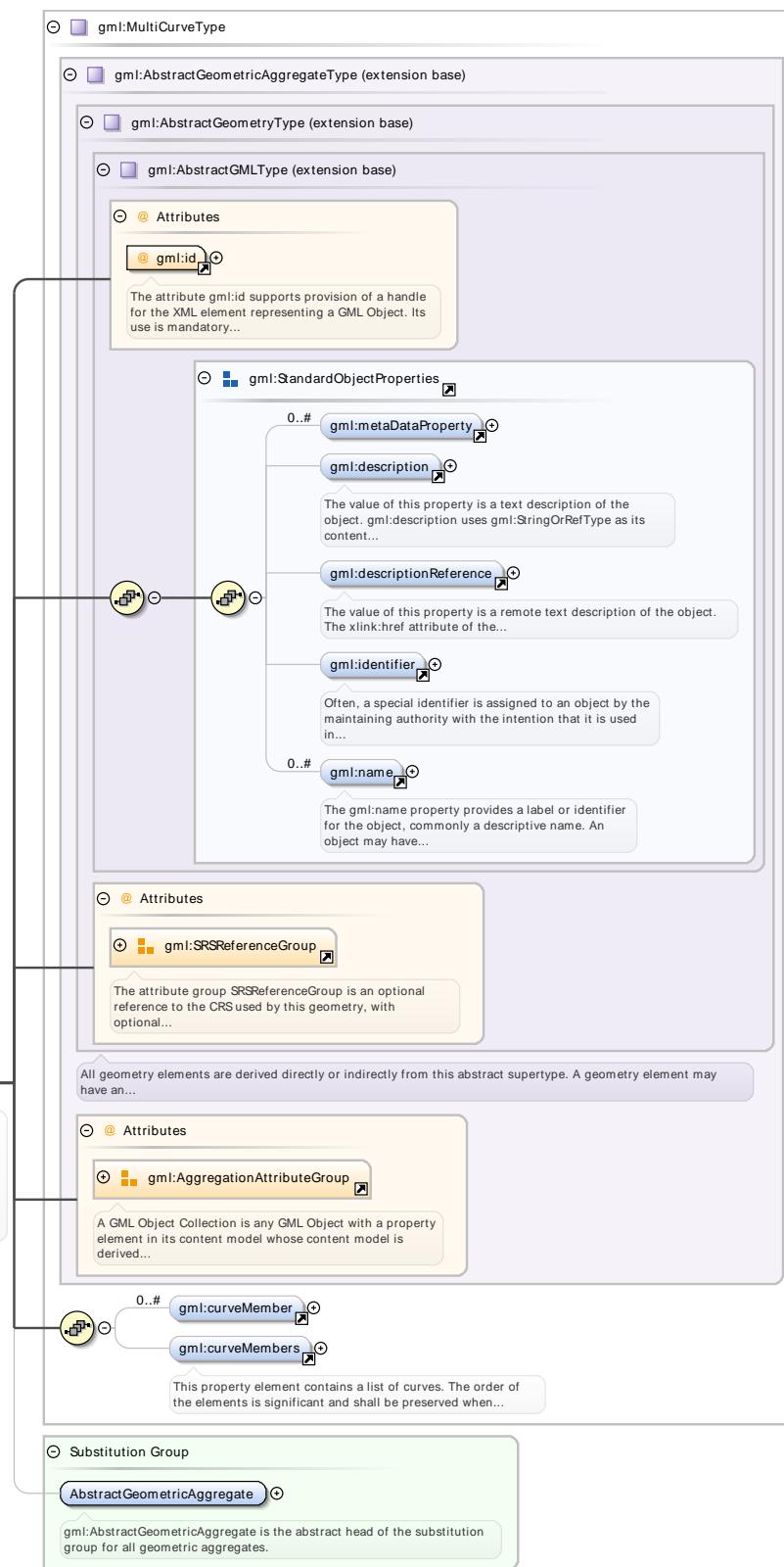
Element **gml:curveMembers**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	This property element contains a list of curves. The order of the elements is significant and shall be preserved when processing the array.								
Diagram									
Type	gml:CurveArrayPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>owns</td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element **gml:MultiCurve**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:MultiCurve is defined by one or more gml:AbstractCurves. The members of the geometric aggregate may be specified either using the "standard" property (gml:curveMember) or the array property (gml:curveMembers). It is also valid to use both the "standard" and the array properties in the same collection.

Diagram



Type	gml:MultiCurveType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractGeometricAggregate

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

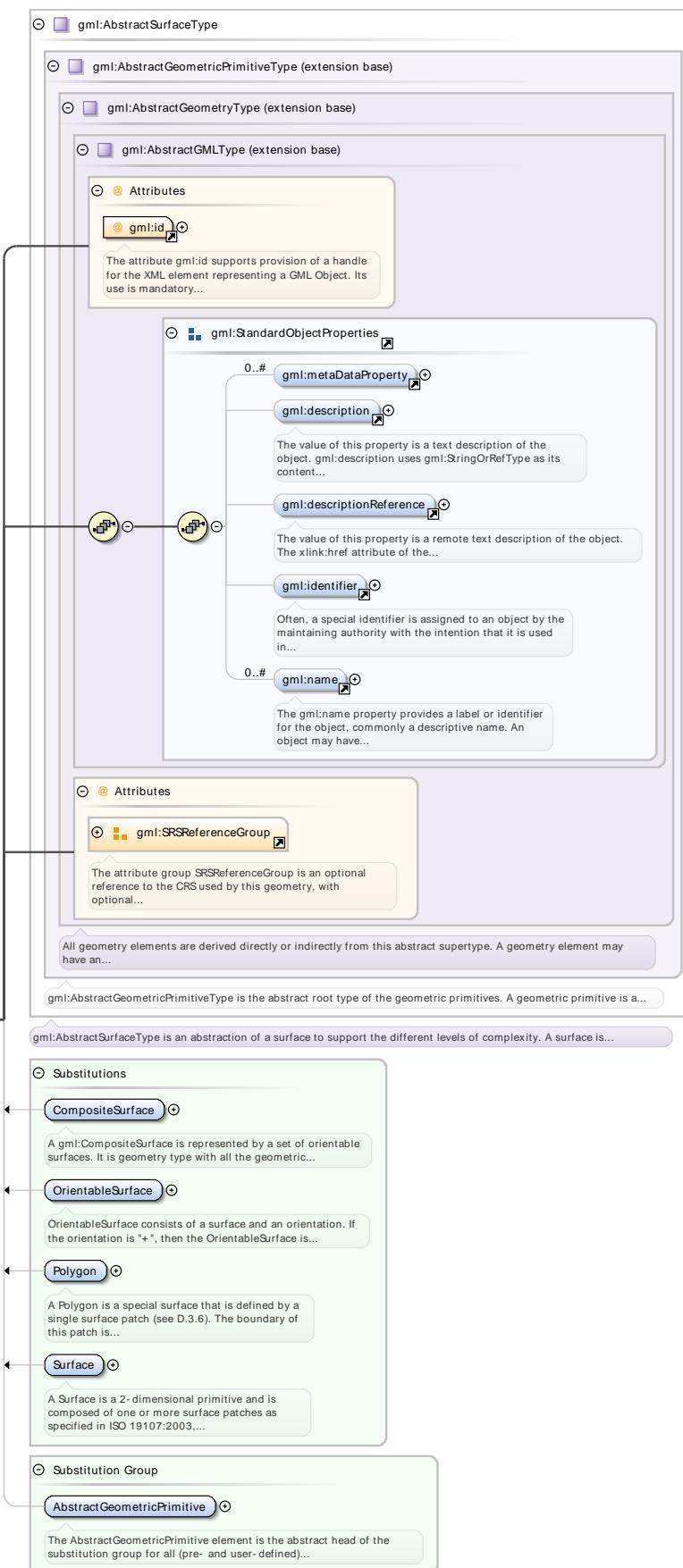
Element **gml:surfaceMember**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	This property element either references a surface via the XLink-attributes or contains the surface element. A surface element is any element, which is substitutable for gml:AbstractSurface.																																																							
Diagram																																																								
Type	gml:SurfacePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:AbstractSurface**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The AbstractSurface element is the abstract head of the substitution group for all (continuous) surface elements.

Diagram



Type	<code>gml:AbstractSurfaceType</code>
------	--------------------------------------

Properties	content: <code>complex</code>
------------	-------------------------------

	abstract:	true																						
Substitution Group	<ul style="list-style-type: none"> • gml:Polygon • gml:CompositeSurface • gml:Surface • gml:PolyhedralSurface • gml:TriangulatedSurface • gml:Tin • gml:OrientableSurface 																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractGeometricPrimitive 																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional		
QName	Type	Use																						
axisLabels	gml:NCNameList	optional																						
gml:id	ID	required																						
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																							
srsDimension	positiveInteger	optional																						
srsName	anyURI	optional																						
uomLabels	gml:NCNameList	optional																						

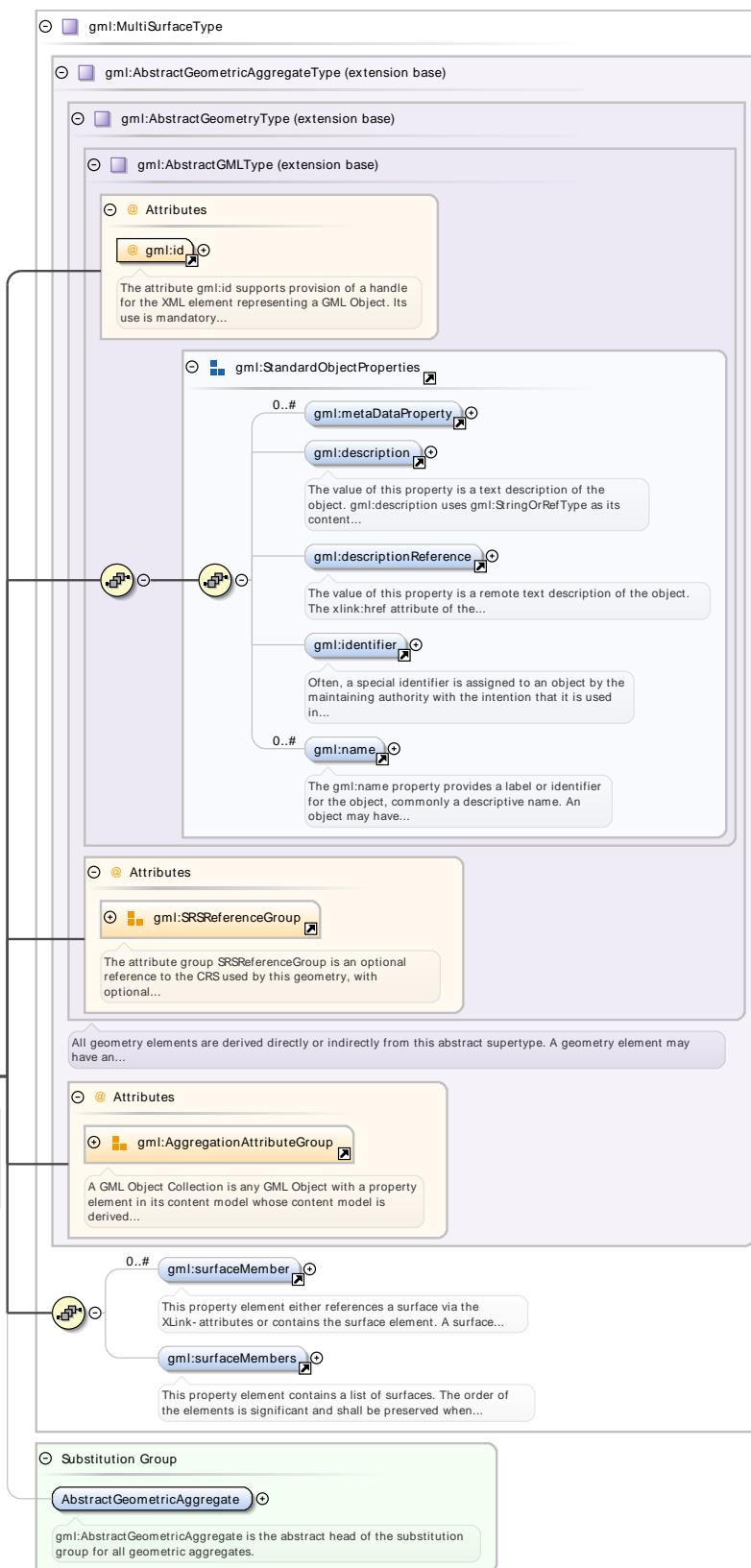
Element **gml:surfaceMembers**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	This property element contains a list of surfaces. The order of the elements is significant and shall be preserved when processing the array.								
Diagram	<p>This property element contains a list of surfaces. The order of the elements is significant and shall be preserved when...</p> <p>gml:SurfaceArrayPropertyType is a container for an array of surfaces. The elements are always contained in the array...</p> <p>The AbstractSurface element is the abstract head of the substitution group for all (continuous) surface elements.</p>								
Type	gml:SurfaceArrayPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>owns</td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element **gml:MultiSurface**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:MultiSurface is defined by one or more gml:AbstractSurfaces. The members of the geometric aggregate may be specified either using the "standard" property (gml:surfaceMember) or the array property (gml:surfaceMembers). It is also valid to use both the "standard" and the array properties in the same collection.

Diagram



Type	gml:MultiSurfaceType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractGeometricAggregate

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

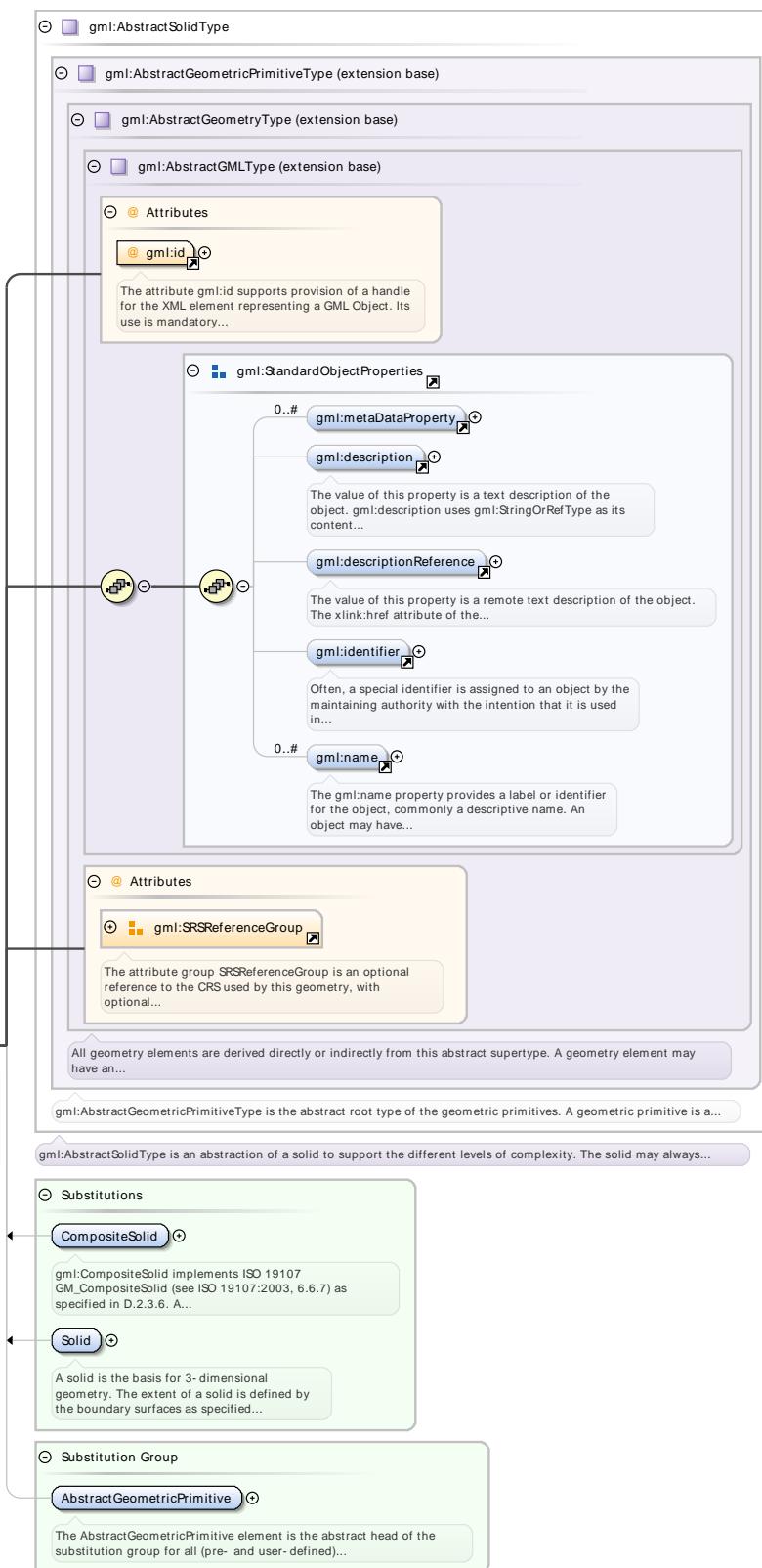
Element **gml:solidMember**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	This property element either references a solid via the XLink-attributes or contains the solid element. A solid element is any element, which is substitutable for gml:AbstractSolid.																																																							
Diagram																																																								
Type	gml:SolidPropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:AbstractSolid**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The AbstractSolid element is the abstract head of the substitution group for all (continuous) solid elements.

Diagram



Type	<code>gml:AbstractSolidType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>gml:Solid</code> • <code>gml:CompositeSolid</code>

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGeometricPrimitive</code> 			
Attributes	QName	Type	Use	
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	
	<code>gml:id</code>	<code>ID</code>	required	
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>			
	<code>srsDimension</code>	<code>positiveInteger</code>	optional	
	<code>srsName</code>	<code>anyURI</code>	optional	
		<code>uomLabels</code>	<code>gml:NCNameList</code>	optional

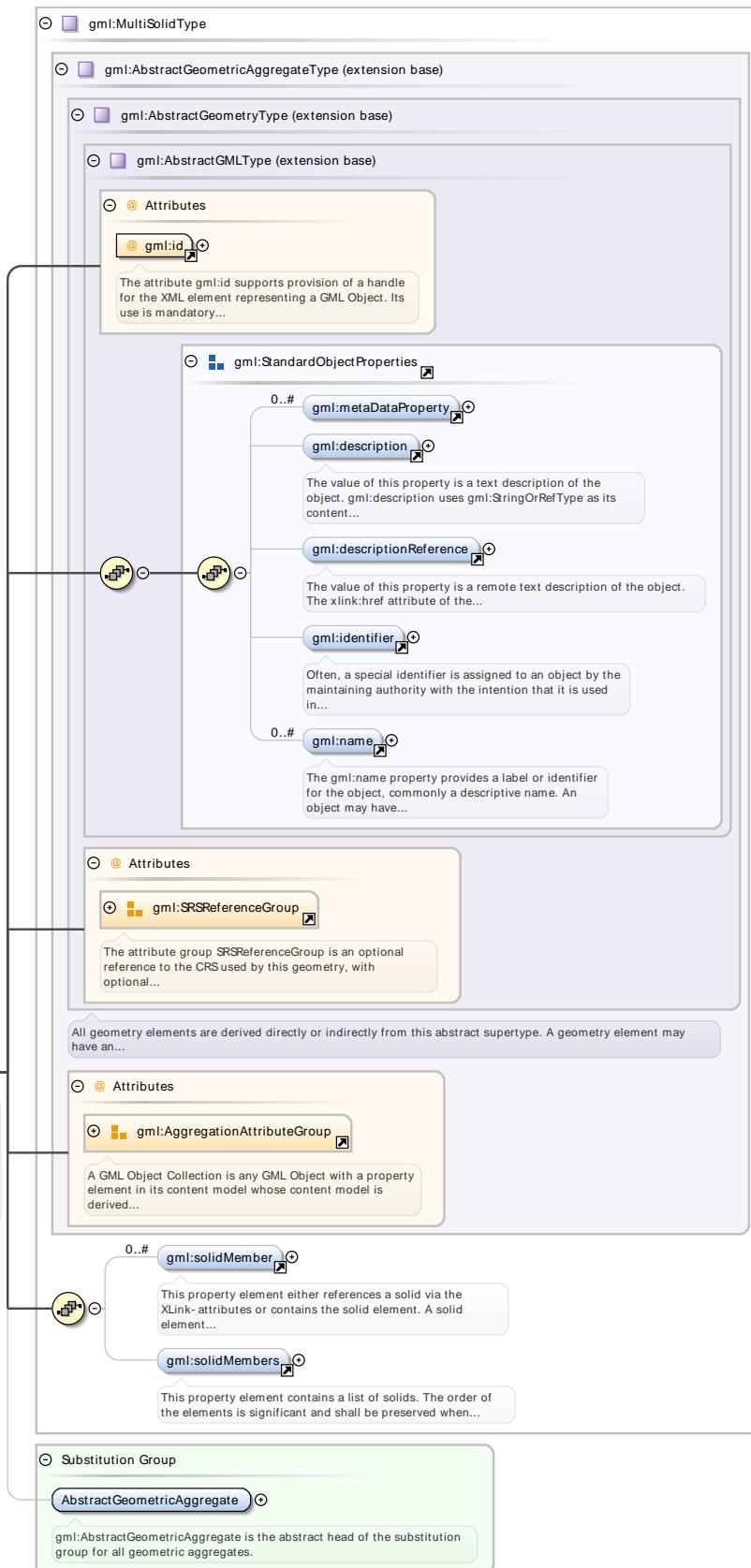
Element `gml:solidMembers`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<p>This property element contains a list of solids. The order of the elements is significant and shall be preserved when processing the array.</p>			
Diagram				
Type	<code>gml:SolidArrayPropertyType</code>			
Properties	content: complex			
Attributes	QName	Type	Default	Use
	<code>owns</code>	<code>boolean</code>	<code>false</code>	optional

Element `gml:MultiSolid`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<p>A <code>gml:MultiSolid</code> is defined by one or more <code>gml:AbstractSolids</code>. The members of the geometric aggregate may be specified either using the "standard" property (<code>gml:solidMember</code>) or the array property (<code>gml:solidMembers</code>). It is also valid to use both the "standard" and the array properties in the same collection.</p>			

Diagram



Type	gml:MultiSolidType
------	--------------------

Properties	content: complex
------------	------------------

Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractGeometricAggregate 			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	axisLabels	gml:NCNameList	optional	
	gml:id	ID	required	
		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	

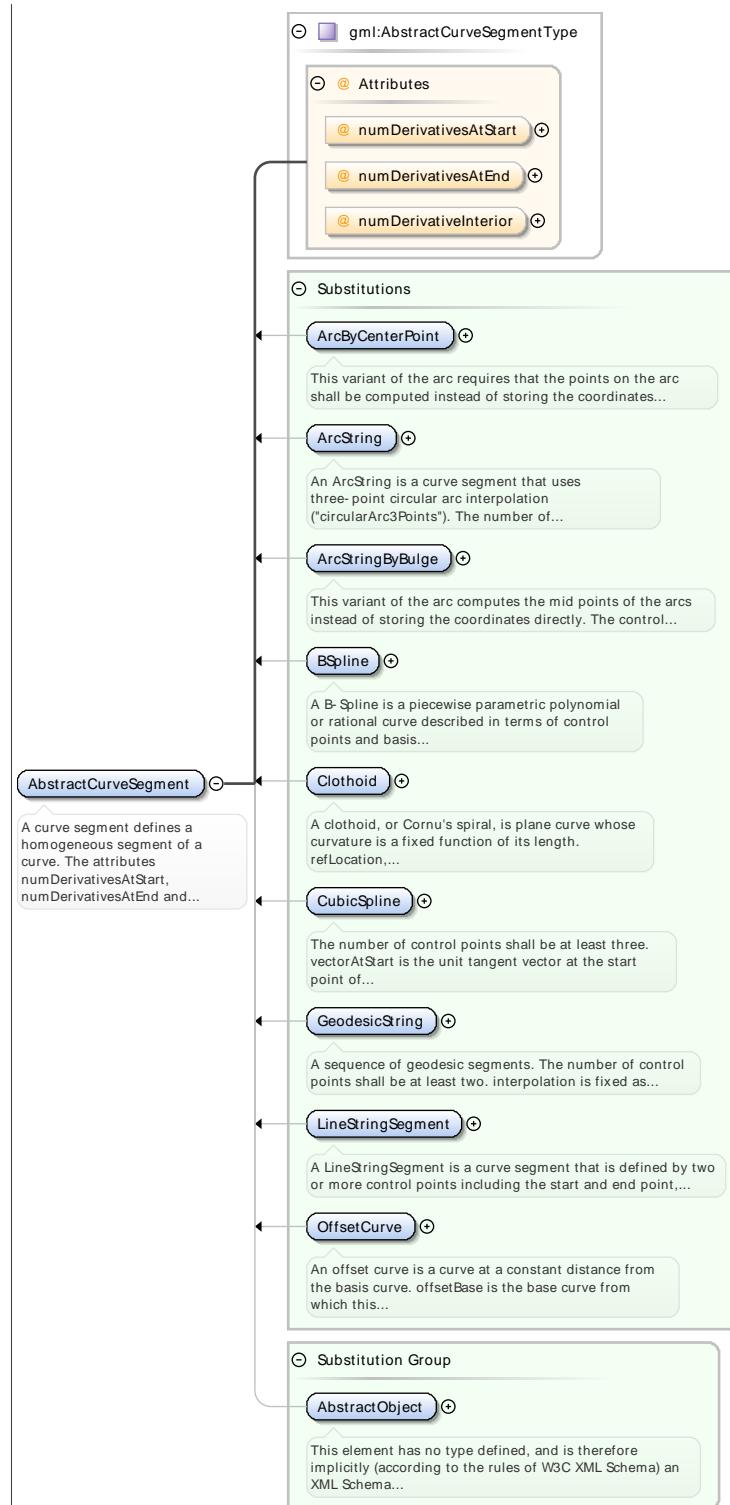
Element gml:segments

Namespace	http://www.opengis.net/gml/3.2
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	<p>This property element contains a list of curve segments. The order of the elements is significant and shall be...</p>
Type	gml:CurveSegmentArrayPropertyType
Properties	content: complex

Element gml:AbstractCurveSegment

Namespace	http://www.opengis.net/gml/3.2
Annotations	A curve segment defines a homogeneous segment of a curve. The attributes numDerivativesAtStart, numDerivativesAtEnd and numDerivativesInterior specify the type of continuity as specified in ISO 19107:2003, 6.4.9.3. The AbstractCurveSegment element is the abstract head of the substitution group for all curve segment elements, i.e. continuous segments of the same interpolation mechanism. All curve segments shall have an attribute interpolation with type gml:CurveInterpolationType specifying 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.

Diagram



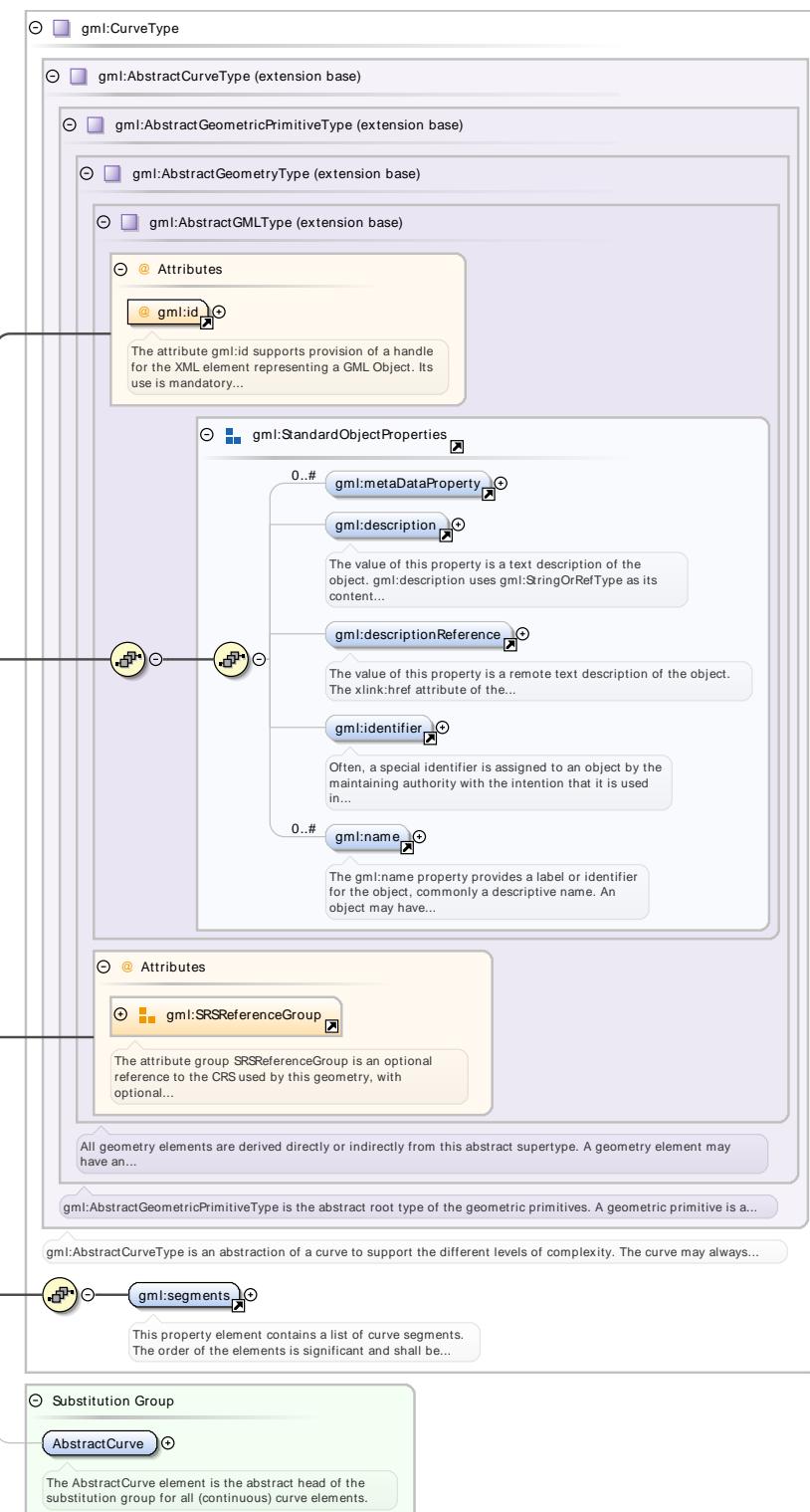
Type	<code>gml:AbstractCurveSegmentType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>gml:LineStringSegment</code> • <code>gml:ArcString</code> • <code>gml:Arc</code> • <code>gml:Circle</code>

	<ul style="list-style-type: none"> • <code>gml:ArcStringByBulge</code> • <code>gml:ArcByBulge</code> • <code>gml:ArcByCenterPoint</code> • <code>gml:CircleByCenterPoint</code> • <code>gml:CubicSpline</code> • <code>gml:BSpline</code> • <code>gml:Bezier</code> • <code>gml:OffsetCurve</code> • <code>gml:Clothoid</code> • <code>gml:GeodesicString</code> • <code>gml:Geodesic</code> 																
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractObject</code> 																
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>numDerivativeInterior</code></td><td>integer</td><td>0</td><td>optional</td></tr> <tr> <td><code>numDerivativesAtEnd</code></td><td>integer</td><td>0</td><td>optional</td></tr> <tr> <td><code>numDerivativesAtStart</code></td><td>integer</td><td>0</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	<code>numDerivativeInterior</code>	integer	0	optional	<code>numDerivativesAtEnd</code>	integer	0	optional	<code>numDerivativesAtStart</code>	integer	0	optional
QName	Type	Default	Use														
<code>numDerivativeInterior</code>	integer	0	optional														
<code>numDerivativesAtEnd</code>	integer	0	optional														
<code>numDerivativesAtStart</code>	integer	0	optional														

Element `gml:Curve`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A 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. Each curve segment within a curve may be defined using a different interpolation method. 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. The element <code>segments</code> encapsulates the segments of the curve.</p>

Diagram



Type	<code>gml:CurveType</code>		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractCurve</code> 		
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	ID	required

QName	Type	Use	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

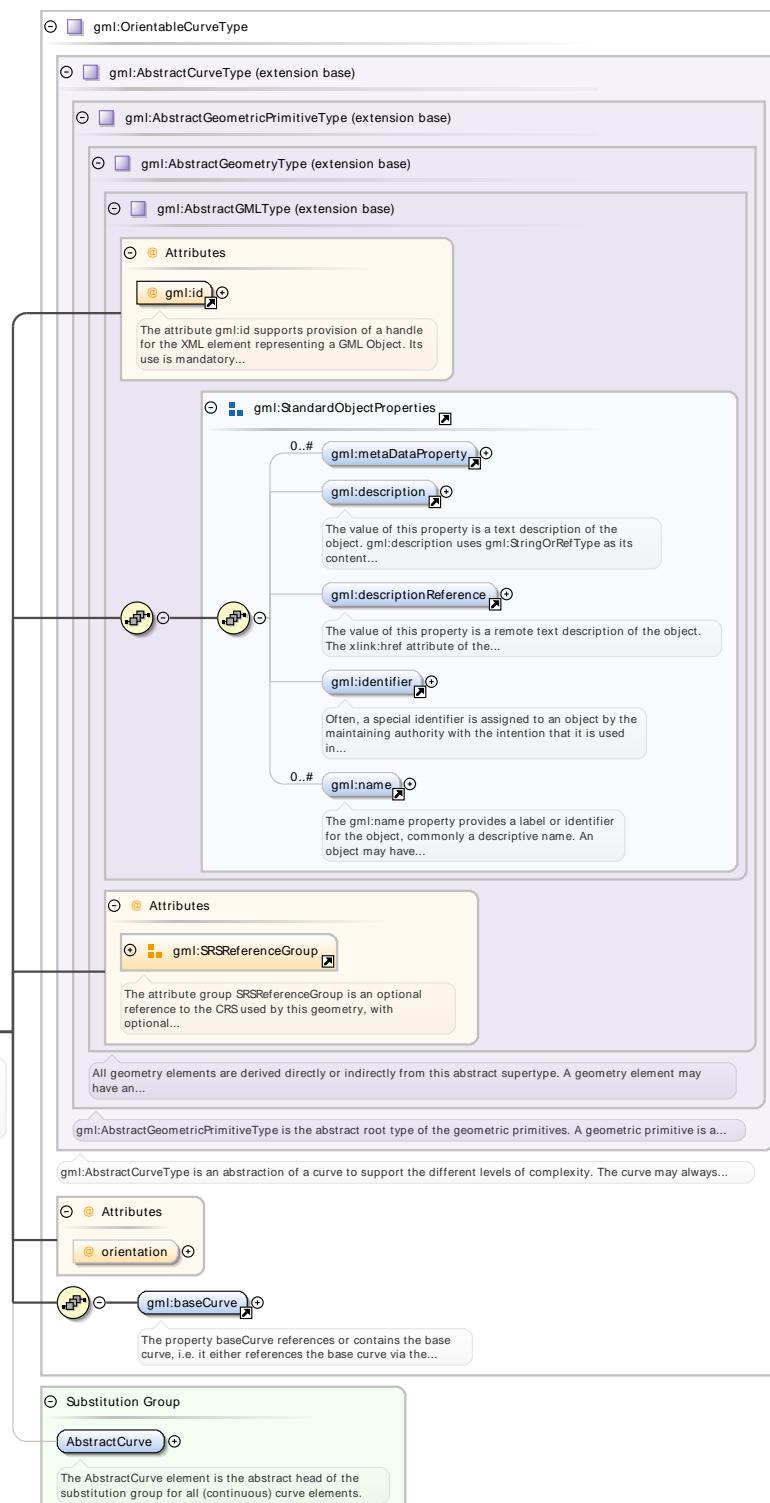
Element **gml:baseCurve**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	The property baseCurve references or contains the base curve, i.e. it either references the base curve via the XLink-attributes or contains the curve element. A curve element is any element which is substitutable for AbstractCurve. The base curve has positive orientation.																																																							
Diagram	<p>The diagram illustrates the structure of the gml:CurvePropertyType. It shows the following associations:</p> <ul style="list-style-type: none"> baseCurve: A property that has a curve as its value domain may either be an appropriate geometry element encapsulated in an... gml:AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group.... gml:OwnershipAttributeGroup: Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or... gml:AbstractCurve: The AbstractCurve element is the abstract head of the substitution group for all (continuous) curve elements. 																																																							
Type	gml:CurvePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:OrientableCurve**

Namespace	http://www.opengis.net/gml/3.2
Annotations	OrientableCurve consists of a curve and an orientation. If the orientation is "+", then the OrientableCurve is identical to the baseCurve. If the orientation is "-", then the OrientableCurve is related to another AbstractCurve with a parameterization that reverses the sense of the curve traversal.

Diagram



Type	gml:OrientableCurveType			
Properties	content: complex			
Substitution Group	Affiliation			
• gml:AbstractCurve				
Attributes	QName	Type	Default	Use
	axisLabels	gml:NCNameList		optional
	gml:id	ID		required

QName	Type	Default	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
orientation	gml:SignType	+	optional
srsDimension	positiveInteger		optional
srsName	anyURI		optional
uomLabels	gml:NCNameList		optional

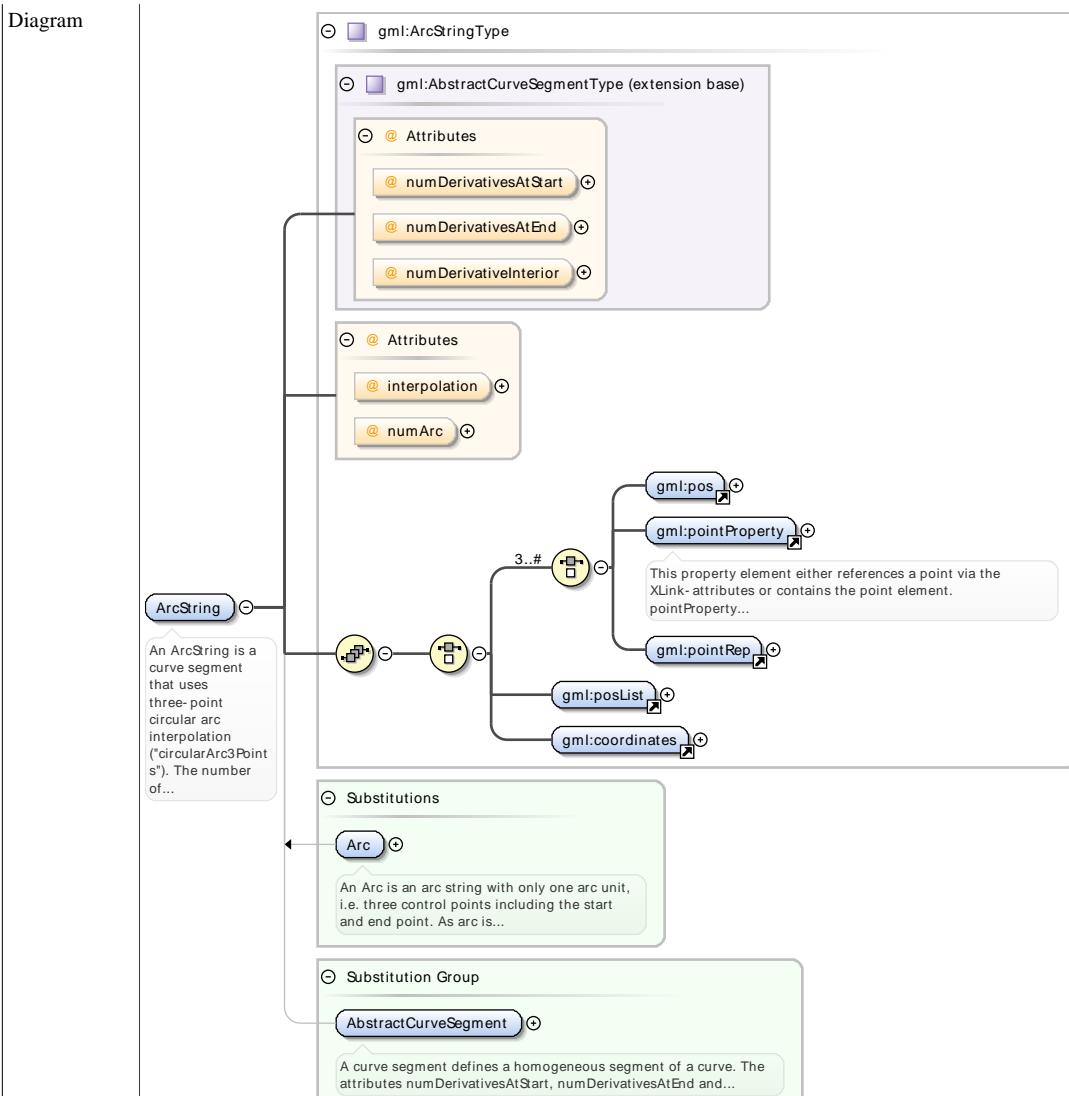
Element **gml:LineStringSegment**

Namespace	http://www.opengis.net/gml/3.2																									
Annotations	A LineStringSegment is a curve segment that is defined by two or more control points including the start and end point, with linear interpolation between them. The content model follows the general pattern for the encoding of curve segments.																									
Diagram																										
Type	gml:LineStringSegmentType																									
Properties	content: complex																									
Substitution Group	• gml:AbstractCurveSegment																									
Affiliation																										
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>linear</td><td></td><td>optional</td></tr> <tr> <td>numDerivativeInterior</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td>numDerivativesAtEnd</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td>numDerivativesAtStart</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	linear		optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																						
interpolation	gml:CurveInterpolationType	linear		optional																						
numDerivativeInterior	integer		0	optional																						
numDerivativesAtEnd	integer		0	optional																						
numDerivativesAtStart	integer		0	optional																						

Element **gml:ArcString**

Namespace	http://www.opengis.net/gml/3.2
Annotations	An ArcString is a curve segment that uses three-point circular arc interpolation ("circularArc3Points"). The number of arcs in the arc string may be explicitly stated in the attribute numArc. The number of control points in the arc string shall be 2 * numArc + 1. The content model follows the general pattern for the encoding of curve segments.

Diagram

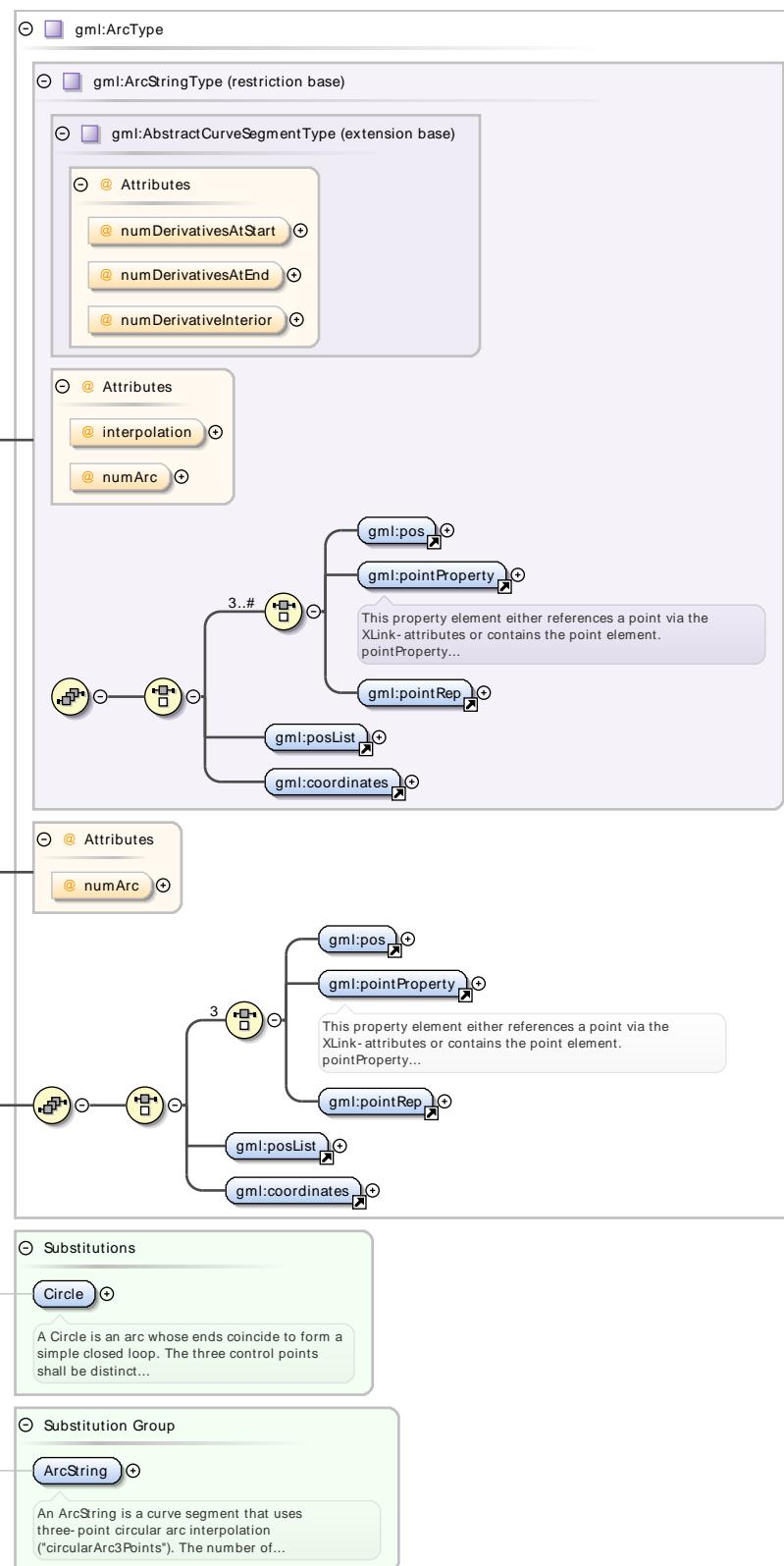


Type	gml:ArcStringType																														
Properties	content: complex																														
Substitution Group	<ul style="list-style-type: none"> • gml:Arc • gml:Circle 																														
Substitution Group Affiliation	• gml:AbstractCurveSegment																														
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>circularArc3Points</td><td></td><td>optional</td></tr> <tr> <td>numArc</td><td>integer</td><td></td><td></td><td>optional</td></tr> <tr> <td>numDerivativeInterior</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td>numDerivativesAtEnd</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td>numDerivativesAtStart</td><td>integer</td><td></td><td>0</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	circularArc3Points		optional	numArc	integer			optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																											
interpolation	gml:CurveInterpolationType	circularArc3Points		optional																											
numArc	integer			optional																											
numDerivativeInterior	integer		0	optional																											
numDerivativesAtEnd	integer		0	optional																											
numDerivativesAtStart	integer		0	optional																											

Element gml:Arc

Namespace	http://www.opengis.net/gml/3.2
Annotations	An Arc is an arc string with only one arc unit, i.e. three control points including the start and end point. As arc is an arc string consisting of a single arc, the attribute "numArc" is fixed to "1".

Diagram



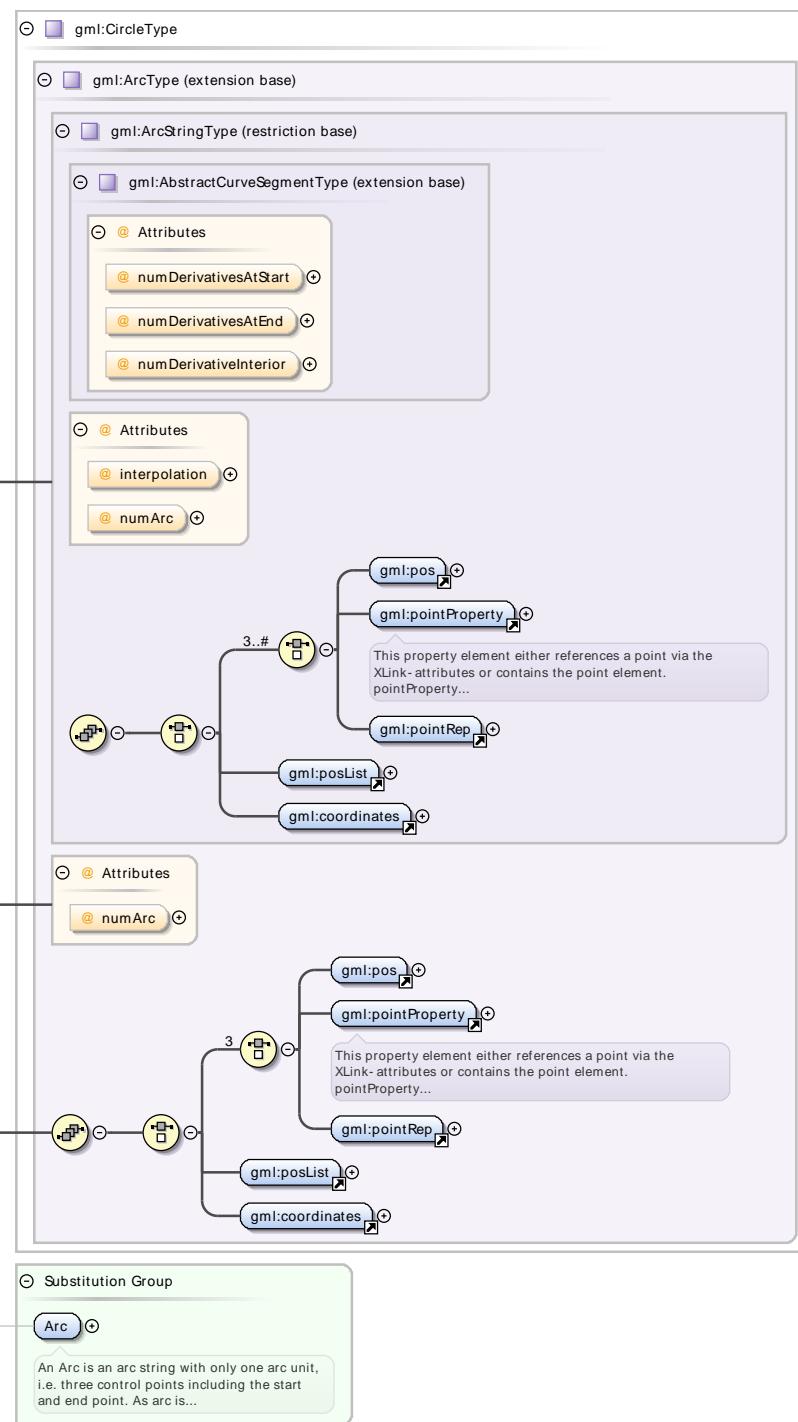
Type	<code>gml:ArcType</code>
Properties	content: complex
Substitution Group	• <code>gml:Circle</code>
Substitution Group Affiliation	• <code>gml:ArcString</code>

Attributes	QName	Type	Fixed	Default	Use	
	interpolation	gml:CurveInterpolationType	circularArc3Points		optional	
	numArc	integer	1		optional	
	numDerivativeInterior	integer		0	optional	
	numDerivativesAtEnd	integer		0	optional	
	numDerivativesAtStart	integer		0	optional	

Element **gml:Circle**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A Circle is an arc whose ends coincide to form a simple closed loop. The three control points shall be distinct non-co-linear points for the circle to be unambiguously defined. The arc is simply extended past the third control point until the first control point is encountered.

Diagram



Type	<code>gml:CircleType</code>
------	-----------------------------

Properties	content: complex
------------	------------------

Substitution Group	<code>gml:Arc</code>
--------------------	----------------------

Attributes	QName	Type	Fixed	Default	Use
	interpolation	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>		optional
	numArc	integer	1		optional
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Element `gml:ArcStringByBulgeType` / `gml:bulge`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type (IEEE...).</p>
Type	double
Properties	content: simple maxOccurs: unbounded

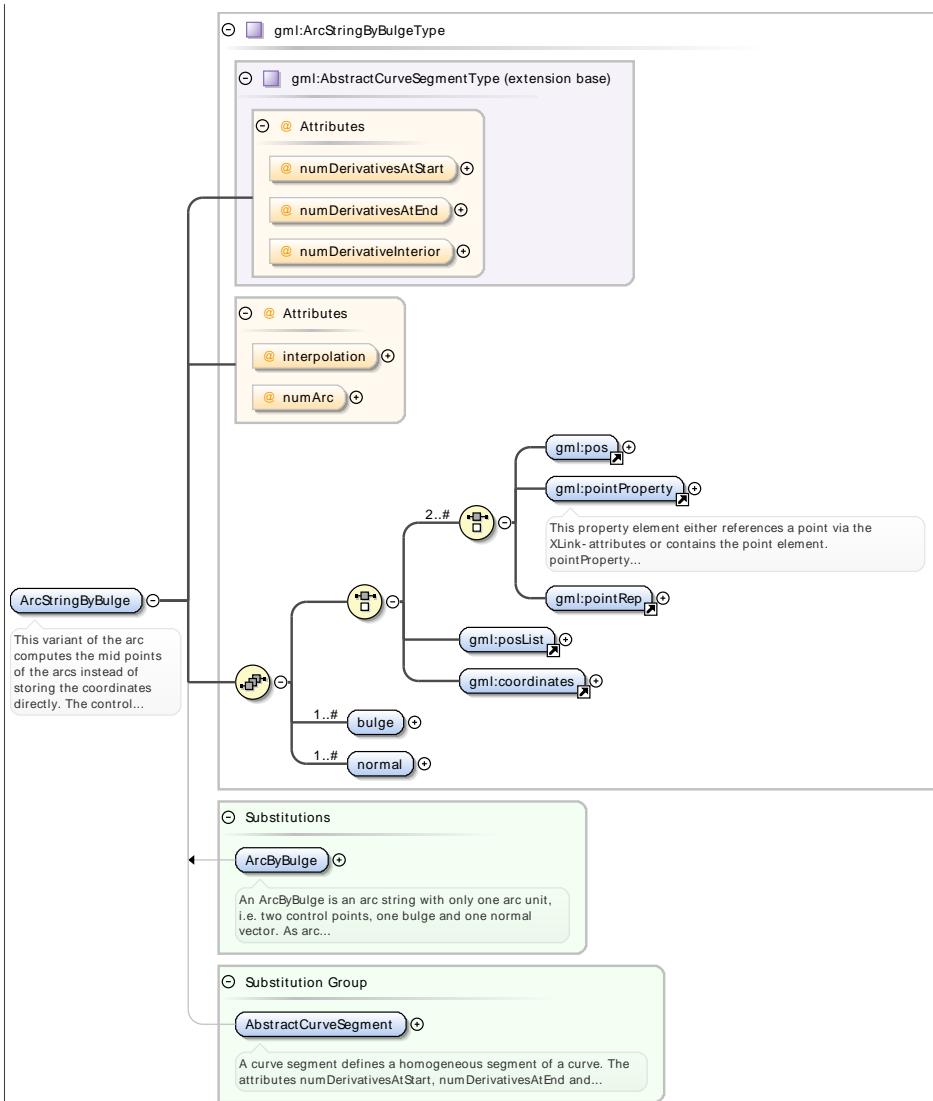
Element `gml:ArcStringByBulgeType` / `gml:normal`

Namespace	http://www.opengis.net/gml/3.2															
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Attributes:</p> <ul style="list-style-type: none"> gml:SRSReferenceGroup <p>The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...</p> <p>Direct position instances hold the coordinates for a position within some coordinate reference system (CRS). Since...</p> <p>For some applications the components of the position may be adjusted to yield a unit vector.</p>															
Type	gml:VectorType															
Properties	content: complex maxOccurs: unbounded															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element `gml:ArcStringByBulge`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>This variant of the arc computes the mid points of the arcs instead of storing the coordinates directly. The control point sequence consists of the start and end points of each arc plus the bulge (see ISO 19107:2003, 6.4.17.2). The normal is a vector normal (perpendicular) to the chord of the arc (see ISO 19107:2003, 6.4.17.4). The interpolation is fixed as "circularArc2PointWithBulge". The number of arcs in the arc string may be explicitly stated in the attribute numArc. The number of control points in the arc string shall be numArc + 1. The content model follows the general pattern for the encoding of curve segments.</p>

Diagram



Type	gml:ArcStringByBulgeType																														
Properties	content: complex																														
Substitution Group	<ul style="list-style-type: none"> gml:ArcByBulge 																														
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractCurveSegment 																														
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>circularArc2PointWithBulge</td> <td></td> <td>optional</td> </tr> <tr> <td>numArc</td> <td>integer</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	circularArc2PointWithBulge		optional	numArc	integer			optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																											
interpolation	gml:CurveInterpolationType	circularArc2PointWithBulge		optional																											
numArc	integer			optional																											
numDerivativeInterior	integer		0	optional																											
numDerivativesAtEnd	integer		0	optional																											
numDerivativesAtStart	integer		0	optional																											

Element **gml:ArcByBulgeType / gml:bulge**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>bulge</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type (IEEE...</p>

Type	double
Properties	content: simple

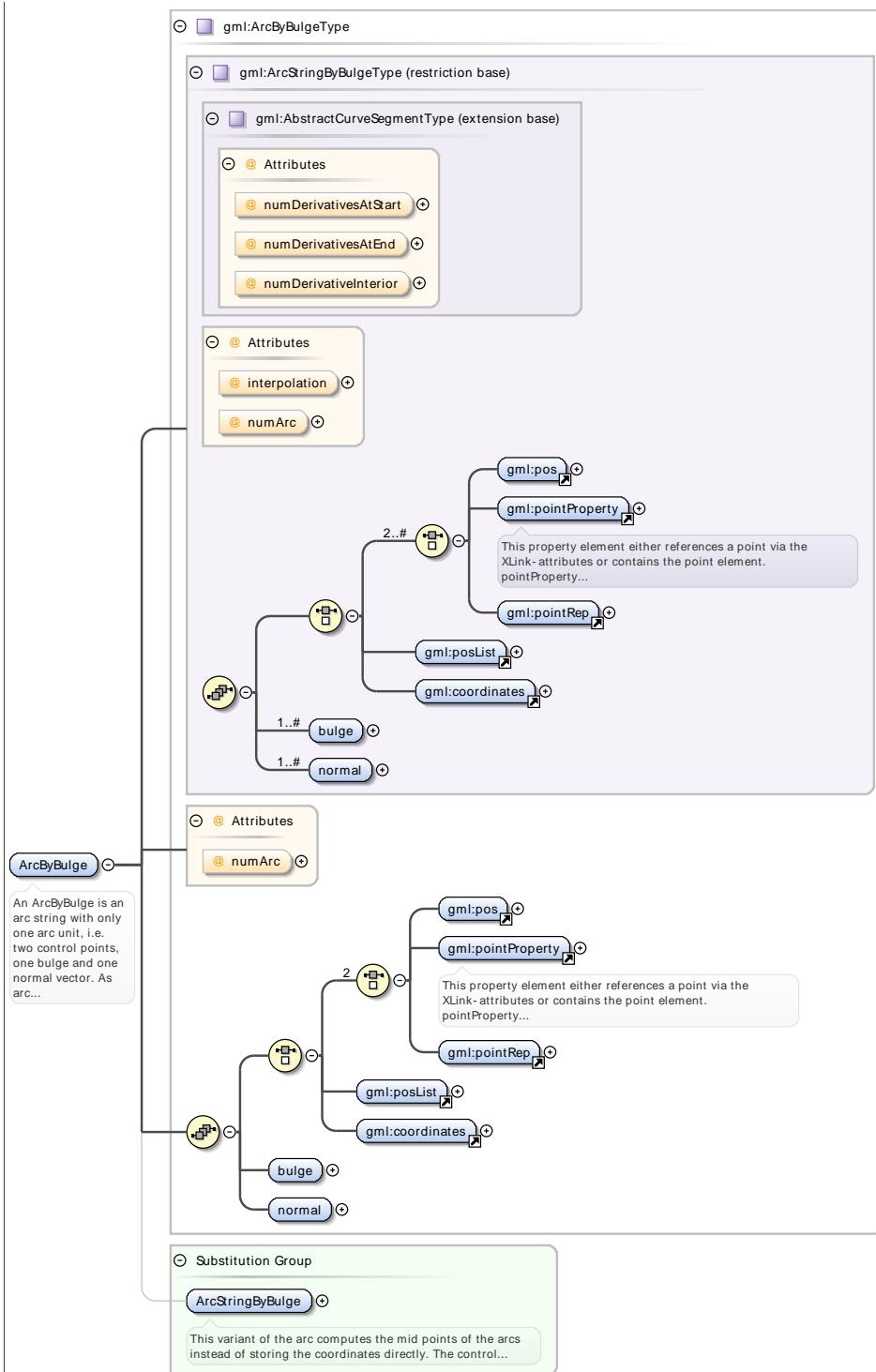
Element **gml:ArcByBulgeType / gml:normal**

Namespace	http://www.opengis.net/gml/3.2															
Diagram	<p>The diagram illustrates the structure of gml:VectorType. It starts with a gml:doubleList (a list of doubles) which is a restriction base for gml:DirectPositionType. This type is used for lists of values. Below it is an Attributes section containing a gml:SRSReferenceGroup attribute group. This group is optional and refers to the CRS used by the geometry. A note states that direct position instances hold coordinates within a coordinate reference system (CRS). A separate note indicates that components may be adjusted to yield a unit vector.</p>															
Type	gml:VectorType															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element **gml:ArcByBulge**

Namespace	http://www.opengis.net/gml/3.2
Annotations	An ArcByBulge is an arc string with only one arc unit, i.e. two control points, one bulge and one normal vector. As arc is an arc string consisting of a single arc, the attribute "numArc" is fixed to "1".

Diagram



Type	<code>gml:ArcByBulgeType</code>																									
Properties	content: complex																									
Substitution Group Affiliation	• <code>gml:ArcStringByBulge</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:CurveInterpolationType</code></td><td><code>circularArc2PointWithBulge</code></td><td></td><td>optional</td></tr> <tr> <td><code>numArc</code></td><td>integer</td><td>1</td><td></td><td>optional</td></tr> <tr> <td><code>numDerivativeInterior</code></td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td><code>numDerivativesAtEnd</code></td><td>integer</td><td></td><td>0</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc2PointWithBulge</code>		optional	<code>numArc</code>	integer	1		optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional
QName	Type	Fixed	Default	Use																						
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc2PointWithBulge</code>		optional																						
<code>numArc</code>	integer	1		optional																						
<code>numDerivativeInterior</code>	integer		0	optional																						
<code>numDerivativesAtEnd</code>	integer		0	optional																						

QName	Type	Fixed	Default	Use
numDerivativesAtStart	integer		0	optional

Element `gml:ArcByCenterPointType / gml:radius`

Namespace	http://www.opengis.net/gml/3.2											
Diagram	<p>This is a prototypical definition for a specific measure type defined as a vacuous extension (i.e. aliases) of...</p>											
Type	gml:LengthType											
Properties	content: complex											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use										
uom	gml:UomIdentifier	required										

Element `gml:ArcByCenterPointType / gml:startAngle`

Namespace	http://www.opengis.net/gml/3.2											
Diagram												
Type	gml:AngleType											
Properties	content: complex minOccurs: 0											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use										
uom	gml:UomIdentifier	required										

Element `gml:ArcByCenterPointType / gml:endAngle`

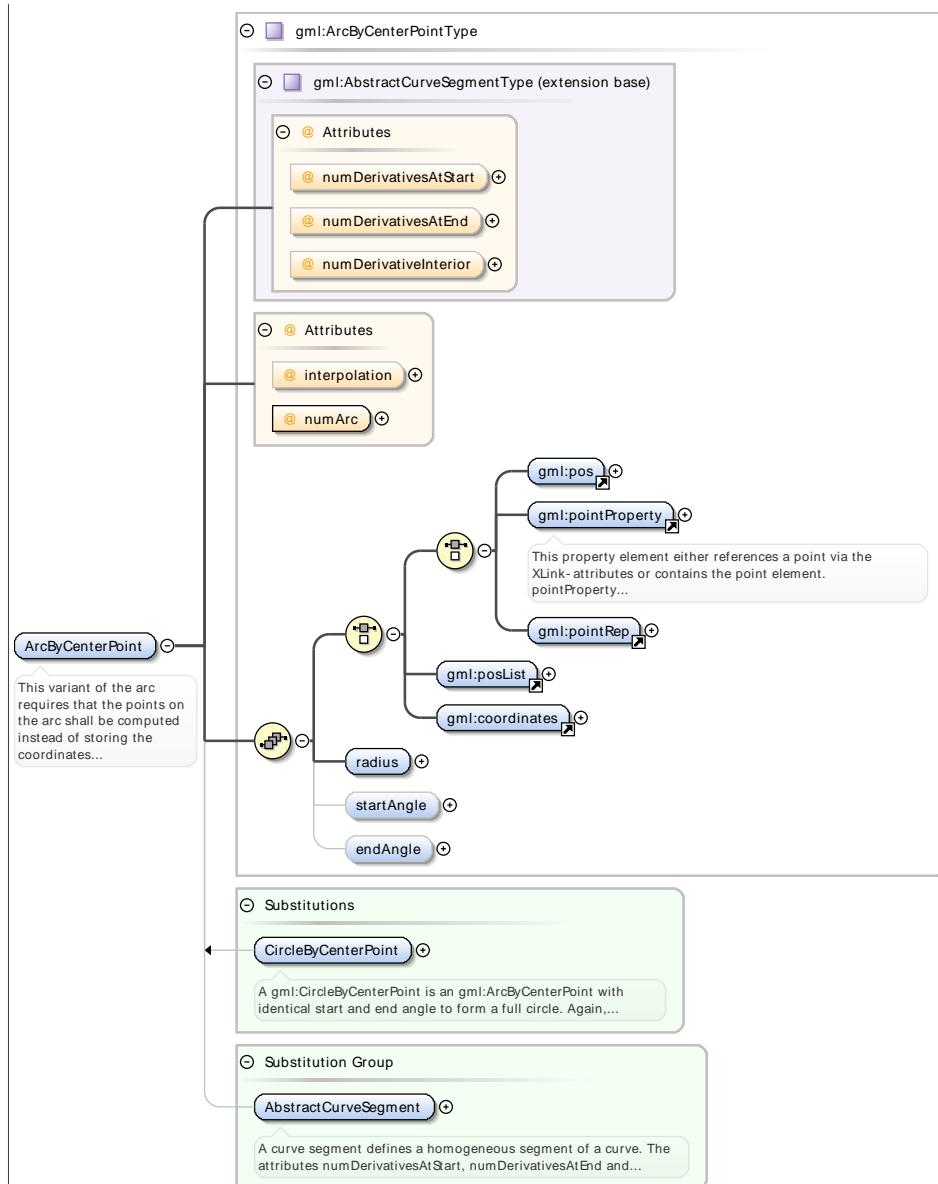
Namespace	http://www.opengis.net/gml/3.2			
-----------	--------------------------------	--	--	--

Diagram							
Type	gml:AngleType						
Properties	<p>content: complex</p> <p>minOccurs: 0</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

Element gml:ArcByCenterPoint

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>This variant of the arc requires that the points on the arc shall be computed instead of storing the coordinates directly. The single control point is the center point of the arc plus the radius and the bearing at start and end. This representation can be used only in 2D. The element radius specifies the radius of the arc. The element startAngle specifies the bearing of the arc at the start. The element endAngle specifies the bearing of the arc at the end. The interpolation is fixed as "circularArcCenterPointWithRadius". Since this type describes always a single arc, the attribute "numArc" is fixed to "1". The content model follows the general pattern for the encoding of curve segments.</p>

Diagram

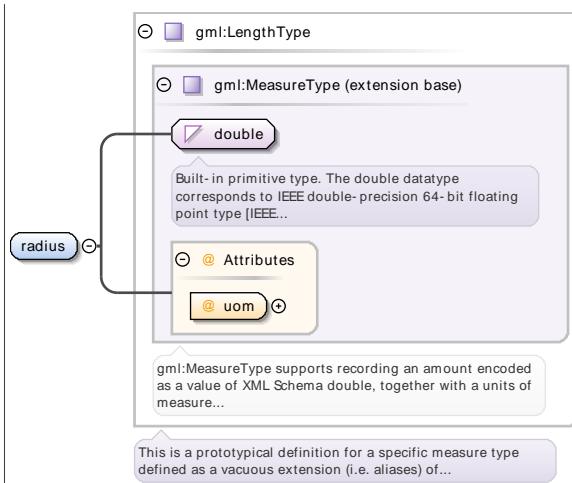


Type	gml:ArcByCenterPointType																														
Properties	content: complex																														
Substitution Group	• gml:CircleByCenterPoint																														
Substitution Group Affiliation	• gml:AbstractCurveSegment																														
Attributes	<table border="1"> <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>circularArcCenterPointWithRadius</td> <td></td> <td>optional</td> </tr> <tr> <td>numArc</td> <td>integer</td> <td>1</td> <td></td> <td>required</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	circularArcCenterPointWithRadius		optional	numArc	integer	1		required	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																											
interpolation	gml:CurveInterpolationType	circularArcCenterPointWithRadius		optional																											
numArc	integer	1		required																											
numDerivativeInterior	integer		0	optional																											
numDerivativesAtEnd	integer		0	optional																											
numDerivativesAtStart	integer		0	optional																											

Element gml:CircleByCenterPointType / gml:radius

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

`gml:LengthType`

Properties

content: complex

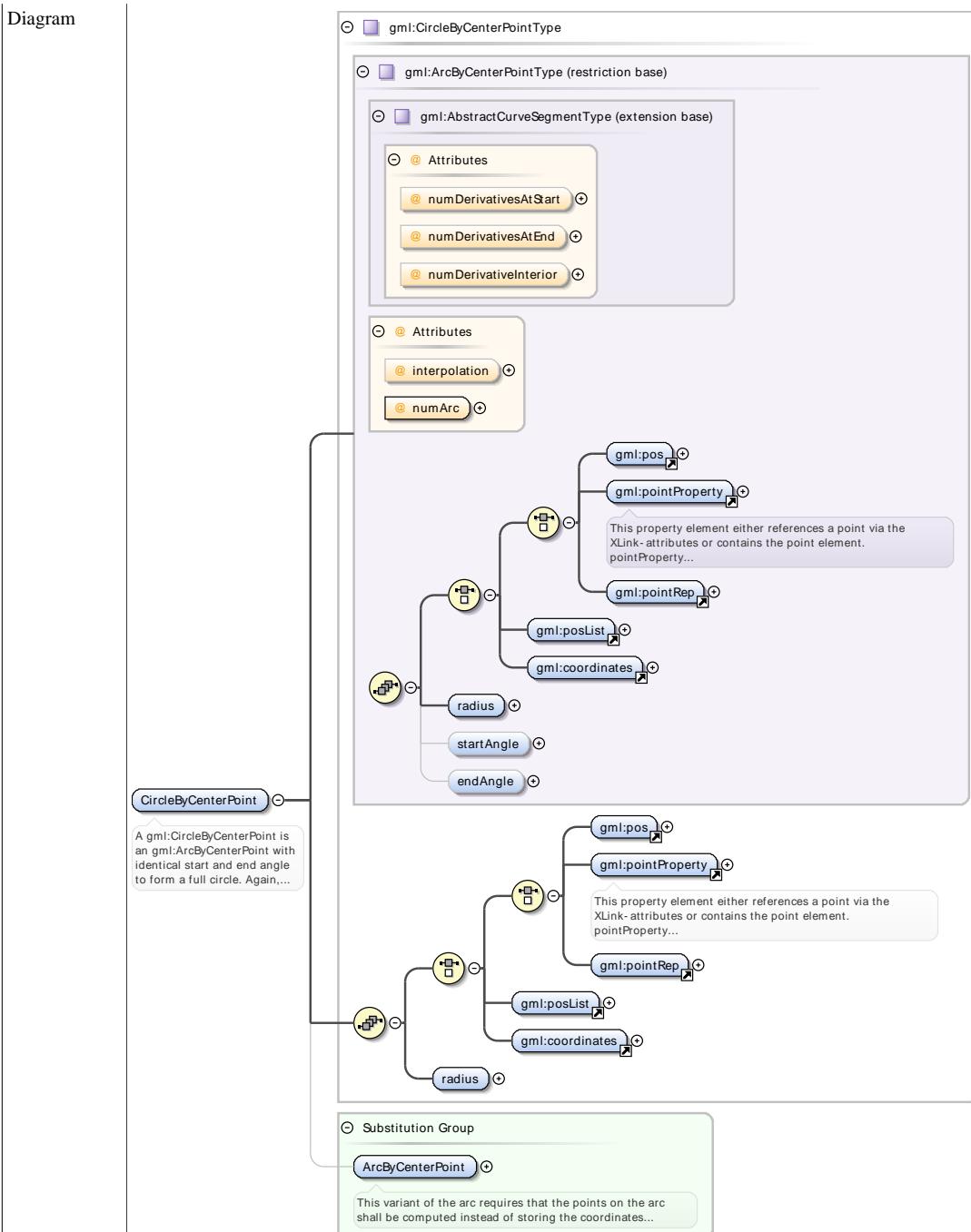
Attributes

QName	Type	Use
<code>uom</code>	<code>gml:UomIdentifier</code>	required

Element `gml:CircleByCenterPoint`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A <code>gml:CircleByCenterPoint</code> is an <code>gml:ArcByCenterPoint</code> with identical start and end angle to form a full circle. Again, this representation can be used only in 2D.

Diagram



Type	gml:CircleByCenterPointType				
Properties	content: complex				
Substitution Group	• gml:ArcByCenterPoint				
Affiliation					
Attributes	QName	Type	Fixed	Default	Use
	interpolation	gml:CurveInterpolationType	circularArcCenterPointWithRadius		optional
	numArc	integer	1		required
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Element `gml:CubicSplineType` / `gml:vectorAtStart`

Namespace	http://www.opengis.net/gml/3.2															
Diagram																
Type	gml:VectorType															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element `gml:CubicSplineType` / `gml:vectorAtEnd`

Namespace	http://www.opengis.net/gml/3.2															
Diagram																
Type	gml:VectorType															
Properties	content: complex															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element `gml:CubicSpline`

Namespace	http://www.opengis.net/gml/3.2																														
Annotations	<p>The number of control points shall be at least three. <code>vectorAtStart</code> is the unit tangent vector at the start point of the spline. <code>vectorAtEnd</code> is the unit tangent vector at the end point of the spline. Only the direction of the vectors shall be used to determine the shape of the cubic spline, not their length. <code>interpolation</code> is fixed as "cubicSpline". <code>degree</code> shall be the degree of the polynomial used for the interpolation in this spline. Therefore the degree for a cubic spline is fixed to "3". The content model follows the general pattern for the encoding of curve segments.</p>																														
Diagram																															
Type	<code>gml:CubicSplineType</code>																														
Properties	content: complex																														
Substitution Group	• <code>gml:AbstractCurveSegment</code>																														
Affiliation																															
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>degree</code></td> <td>integer</td> <td>3</td> <td></td> <td>optional</td> </tr> <tr> <td><code>interpolation</code></td> <td><code>gml:CurveInterpolationType</code></td> <td>cubicSpline</td> <td></td> <td>optional</td> </tr> <tr> <td><code>numDerivativeInterior</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtEnd</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtStart</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>degree</code>	integer	3		optional	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	cubicSpline		optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional	<code>numDerivativesAtStart</code>	integer		0	optional
QName	Type	Fixed	Default	Use																											
<code>degree</code>	integer	3		optional																											
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	cubicSpline		optional																											
<code>numDerivativeInterior</code>	integer		0	optional																											
<code>numDerivativesAtEnd</code>	integer		0	optional																											
<code>numDerivativesAtStart</code>	integer		0	optional																											

Element `gml:BSplineType` / `gml:degree`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	<p>Built-in derived type. The nonNegativeInteger datatype is derived from integer by setting the value of minInclusive to...</p>
Type	nonNegativeInteger
Properties	content: simple

Element **gml:BSplineType** / **gml:knot**

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<p>A knot is a breakpoint on a piecewise spline curve. value is the value of the parameter at the knot of the spline (see...)</p> <p>gml:KnotPropertyType encapsulates a knot to use it in a geometric type.</p>						
Type	gml:KnotPropertyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>2</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	2	maxOccurs:	unbounded
content:	complex						
minOccurs:	2						
maxOccurs:	unbounded						

Element **gml:KnotPropertyType** / **gml:Knot**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A knot is a breakpoint on a piecewise spline curve. value is the value of the parameter at the knot of the spline (see ISO 19107:2003, 6.4.24.2). multiplicity is the multiplicity of this knot used in the definition of the spline (with the same weight). weight is the value of the averaging weight used for this knot of the spline.
Diagram	<p>A knot is a breakpoint on a piecewise spline curve. value is the value of the parameter at the knot of the spline (see...)</p>
Type	gml:KnotType
Properties	content: complex

Element **gml:KnotType** / **gml:value**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>
Type	double
Properties	content: simple

Element **gml:KnotType** / **gml:multiplicity**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	
Type	nonNegativeInteger
Properties	content: simple

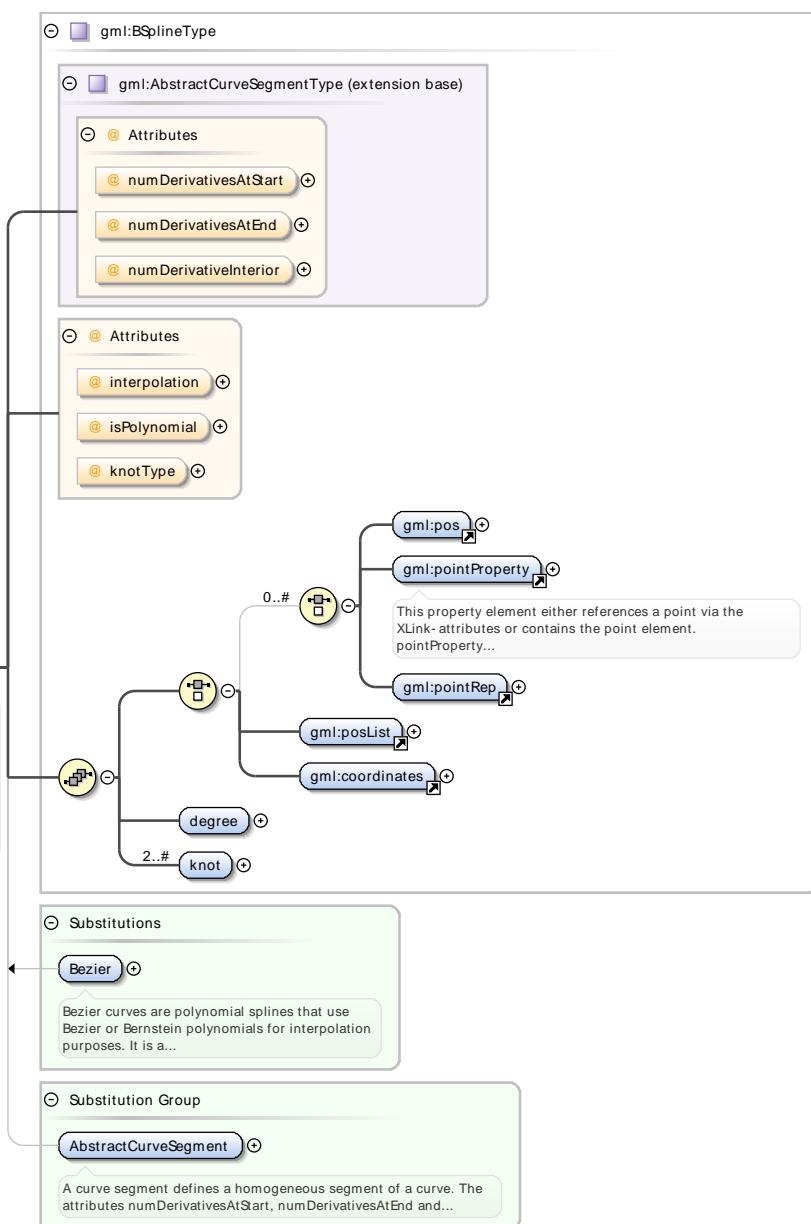
Element **gml:KnotType** / **gml:weight**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	double
Properties	content: simple

Element **gml:BSpline**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A B-Spline is a piecewise parametric polynomial or rational curve described in terms of control points and basis functions as specified in ISO 19107:2003, 6.4.30. Therefore, interpolation may be either "polynomialSpline" or "rationalSpline" depending on the interpolation type; default is "polynomialSpline". degree shall be the degree of the polynomial used for interpolation in this spline. knot shall be the sequence of distinct knots used to define the spline basis functions (see ISO 19107:2003, 6.4.26.2). The attribute isPolynomial shall be set to "true" if this is a polynomial spline (see ISO 19107:2003, 6.4.30.5). The attribute knotType shall provide the type of knot distribution used in defining this spline (see ISO 19107:2003, 6.4.30.4). The content model follows the general pattern for the encoding of curve segments.</p>

Diagram



Type	gml:BSplineType																												
Properties	content: complex																												
Substitution Group	<ul style="list-style-type: none"> gml:Bezier 																												
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractCurveSegment 																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gml:CurveInterpolationType</td> <td>polynomialSpline</td> <td>optional</td> </tr> <tr> <td>isPolynomial</td> <td>boolean</td> <td></td> <td>optional</td> </tr> <tr> <td>knotType</td> <td>gml:KnotTypesType</td> <td></td> <td>optional</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	interpolation	gml:CurveInterpolationType	polynomialSpline	optional	isPolynomial	boolean		optional	knotType	gml:KnotTypesType		optional	numDerivativeInterior	integer	0	optional	numDerivativesAtEnd	integer	0	optional	numDerivativesAtStart	integer	0	optional
QName	Type	Default	Use																										
interpolation	gml:CurveInterpolationType	polynomialSpline	optional																										
isPolynomial	boolean		optional																										
knotType	gml:KnotTypesType		optional																										
numDerivativeInterior	integer	0	optional																										
numDerivativesAtEnd	integer	0	optional																										
numDerivativesAtStart	integer	0	optional																										

Element gml:BezierType / gml:degree

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	
Type	nonNegativeInteger
Properties	content: simple

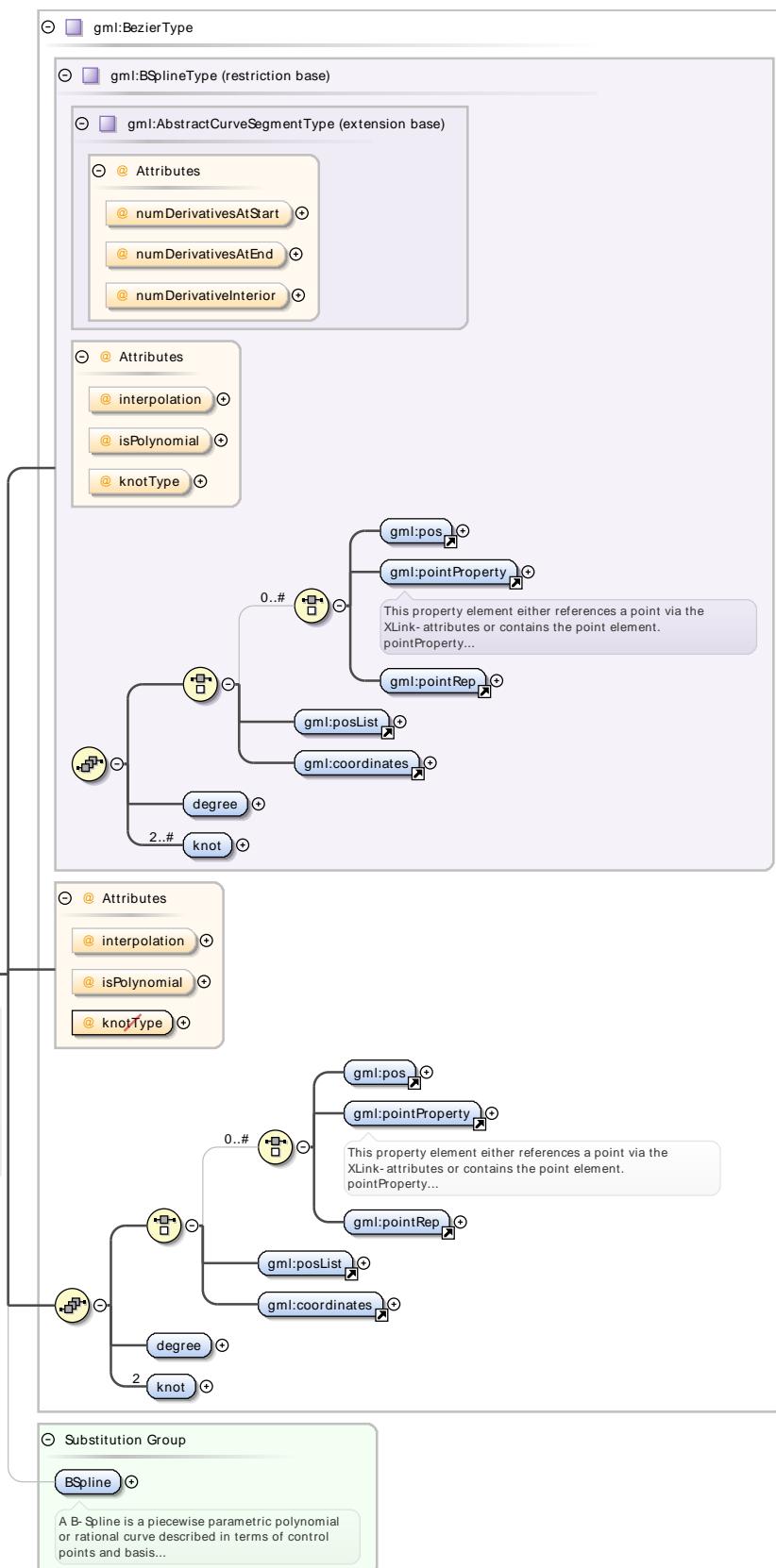
Element **gml:BezierType** / **gml:knot**

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:KnotPropertyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>2</td> </tr> <tr> <td>maxOccurs:</td> <td>2</td> </tr> </table>	content:	complex	minOccurs:	2	maxOccurs:	2
content:	complex						
minOccurs:	2						
maxOccurs:	2						

Element **gml:Bezier**

Namespace	http://www.opengis.net/gml/3.2
Annotations	Bezier curves are polynomial splines that use Bezier or Bernstein polynomials for interpolation purposes. It is a special case of the B-Spline curve with two knots. degree shall be the degree of the polynomial used for interpolation in this spline. knot shall be the sequence of distinct knots used to define the spline basis functions. interpolation is fixed as "polynomialSpline". isPolynomial is fixed as "true". knotType is not relevant for Bezier curve segments.

Diagram



Type	<code>gml:BezierType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:BSpline</code>

Attributes	QName	Type	Fixed	Default	Use	
	interpolation	gml:CurveInterpolationType	polynomialSpline		optional	
	isPolynomial	boolean	true		optional	
	numDerivativeInterior	integer		0	optional	
	numDerivativesAtEnd	integer		0	optional	
	numDerivativesAtStart	integer		0	optional	

Element **gml:OffsetCurveType** / **gml:offsetBase**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the inheritance structure of the gml:OffsetCurveType and gml:offsetBase elements. It shows that gml:offsetBase inherits from gml:CurvePropertyType, which in turn inherits from gml:AbstractCurve. Annotations provide information about XLink components, ownership, and the abstract curve element.</p>																																																							
Type	gml:CurvePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:OffsetCurveType** / **gml:distance**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>gml:LengthType</p> <p>gml:MeasureType (extension base)</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type (IEEE...)</p> <p>Attributes</p> <p>uom</p> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p> <p>This is a prototypical definition for a specific measure type defined as a vacuous extension (i.e. aliases) of...</p>						
Type	gml:LengthType						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

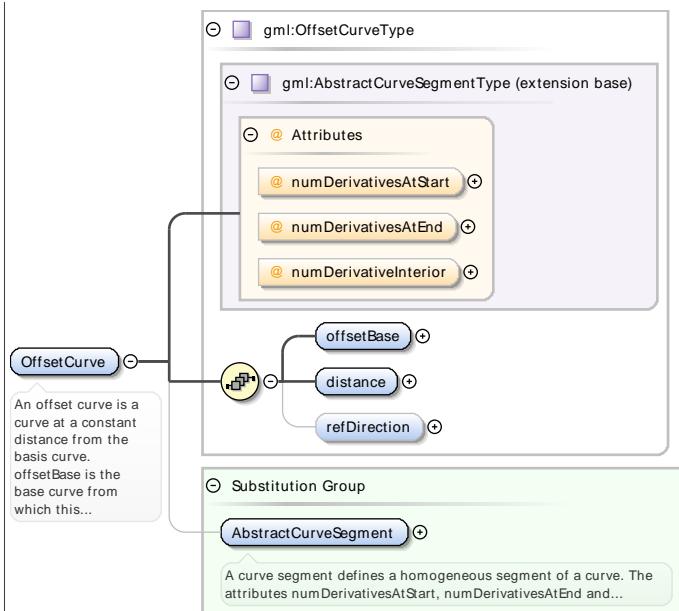
Element **gml:OffsetCurveType** / **gml:refDirection**

Namespace	http://www.opengis.net/gml/3.2															
Diagram	<p>gml:VectorType</p> <p>gml:DirectPositionType (restriction base)</p> <p>gml:doubleList</p> <p>A type for a list of values of the respective simple type.</p> <p>Attributes</p> <p>gml:SRSReferenceGroup</p> <p>The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...</p> <p>Direct position instances hold the coordinates for a position within some coordinate reference system (CRS). Since...</p> <p>For some applications the components of the position may be adjusted to yield a unit vector.</p>															
Type	gml:VectorType															
Properties	<p>content: complex</p> <p>minOccurs: 0</p>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element **gml:OffsetCurve**

Namespace	http://www.opengis.net/gml/3.2
Annotations	An offset curve is a curve at a constant distance from the basis curve. offsetBase is the base curve from which this curve is defined as an offset. distance and refDirection have the same meaning as specified in ISO 19107:2003, 6.4.23. The content model follows the general pattern for the encoding of curve segments.

Diagram



Type	gml:OffsetCurveType			
Properties	content: complex			
Substitution Group Affiliation	• gml:AbstractCurveSegment			
Attributes	QName	Type	Default	Use
	numDerivativeInterior	integer	0	optional
	numDerivativesAtEnd	integer	0	optional
	numDerivativesAtStart	integer	0	optional

Element gml:AffinePlacementType / gml:location

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Type	gml:DirectPositionType			
Properties	content: complex			
Attributes	QName	Type	Use	
	axisLabels	gml:NCNameList	optional	
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	

Element `gml:AffinePlacementType` / `gml:refDirection`

Namespace	http://www.opengis.net/gml/3.2															
Diagram	<p>The diagram illustrates the structure of the <code>gml:refDirection</code> element. It is a restriction of <code>gml:VectorType</code>, which itself is a restriction of <code>gml:DirectPositionType</code>. The <code>gml:refDirection</code> element has an attribute group <code>gml:SRSReferenceGroup</code>. A note states: "The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional..." Below this, a note says: "Direct position instances hold the coordinates for a position within some coordinate reference system (CRS). Since..." and "For some applications the components of the position may be adjusted to yield a unit vector."</p>															
Type	<code>gml:VectorType</code>															
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded											
content:	complex															
maxOccurs:	unbounded															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> <tr> <td><code>srsDimension</code></td> <td><code>positiveInteger</code></td> <td>optional</td> </tr> <tr> <td><code>srsName</code></td> <td><code>anyURI</code></td> <td>optional</td> </tr> <tr> <td><code>uomLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>srsDimension</code>	<code>positiveInteger</code>	optional	<code>srsName</code>	<code>anyURI</code>	optional	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional
QName	Type	Use														
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional														
<code>srsDimension</code>	<code>positiveInteger</code>	optional														
<code>srsName</code>	<code>anyURI</code>	optional														
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional														

Element `gml:AffinePlacementType` / `gml:inDimension`

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the <code>gml:inDimension</code> element. It is a restriction of <code>positiveInteger</code>. A note states: "Built-in derived type. The positiveInteger datatype is derived from nonNegativeInteger by setting the value of..."</p>		
Type	<code>positiveInteger</code>		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element `gml:AffinePlacementType` / `gml:outDimension`

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the <code>gml:outDimension</code> element. It is a restriction of <code>positiveInteger</code>. A note states: "Built-in derived type. The positiveInteger datatype is derived from nonNegativeInteger by setting the value of..."</p>		
Type	<code>positiveInteger</code>		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element `gml:AffinePlacement`

Namespace	http://www.opengis.net/gml/3.2
Annotations	location, refDirection, inDimension and outDimension have the same meaning as specified in ISO 19107:2003, 6.4.21.

Diagram	
Type	gml:AffinePlacementType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractObject

Element gml:ClothoidType / gml:refLocation

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Properties	content: complex

Element gml:ClothoidType / gml:scaleFactor

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	decimal
Properties	content: simple

Element gml:ClothoidType / gml:startParameter

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	double
Properties	content: simple

Element gml:ClothoidType / gml:endParameter

Namespace	http://www.opengis.net/gml/3.2
Diagram	

Type	double
Properties	content: simple

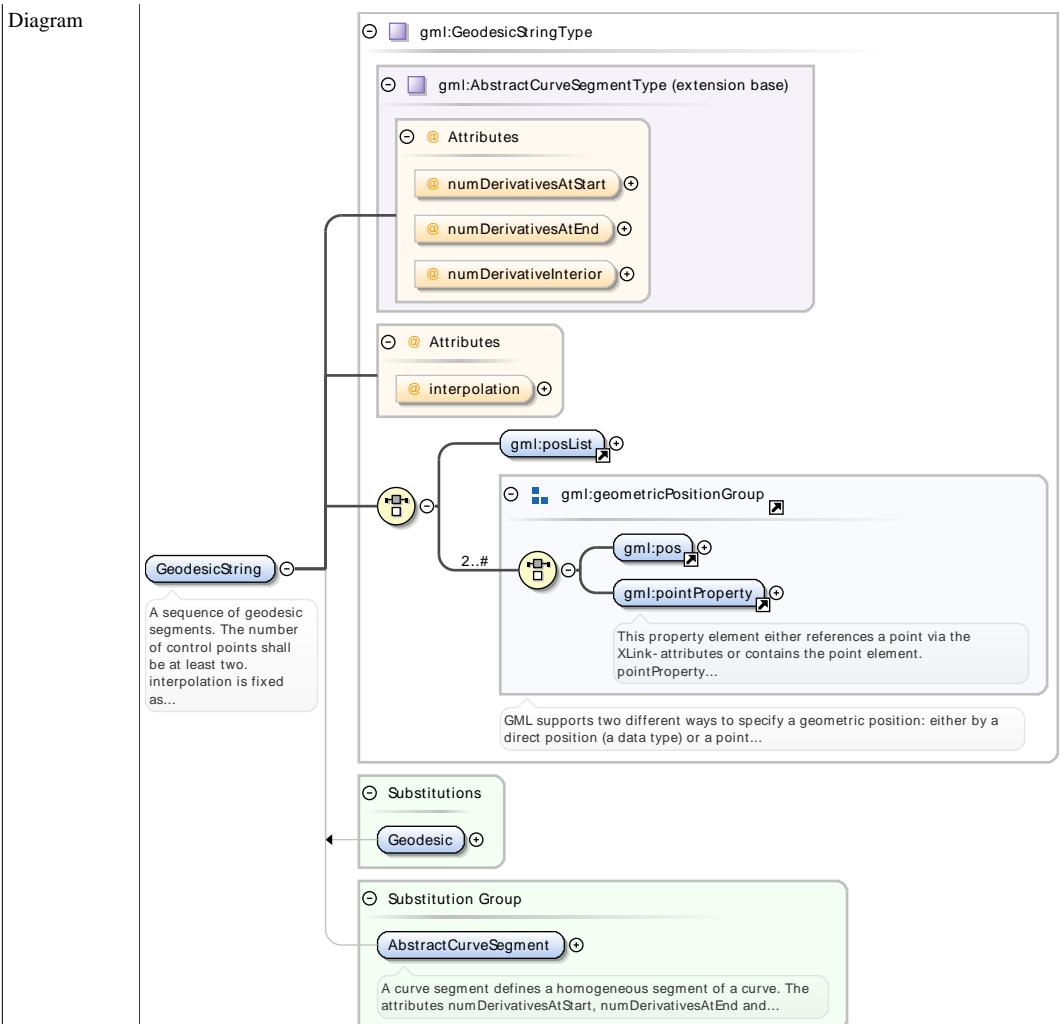
Element gml:Clothoid

Namespace	http://www.opengis.net/gml/3.2																									
Annotations	A clothoid, or Cornu's spiral, is plane curve whose curvature is a fixed function of its length. refLocation, startParameter, endParameter and scaleFactor have the same meaning as specified in ISO 19107:2003, 6.4.22. interpolation is fixed as "clothoid". The content model follows the general pattern for the encoding of curve segments.																									
Diagram	<pre> classDiagram class gml:ClothoidType { <<extension of gml:AbstractCurveSegmentType>> @Attributes @numDerivativesAtStart @numDerivativesAtEnd @numDerivativeInterior @interpolation refLocation scaleFactor startParameter endParameter } class gml:AbstractCurveSegmentType { <<extension base>> @Attributes @numDerivativesAtStart @numDerivativesAtEnd @numDerivativeInterior } class SubstitutionGroup { AbstractCurveSegment } note over gml:ClothoidType { A clothoid, or Cornu's spiral, is plane curve whose curvature is a fixed function of its length. refLocation, ... } </pre>																									
Type	gml:ClothoidType																									
Properties	content: complex																									
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractCurveSegment 																									
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>clothoid</td> <td></td> <td>optional</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	clothoid		optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																						
interpolation	gml:CurveInterpolationType	clothoid		optional																						
numDerivativeInterior	integer		0	optional																						
numDerivativesAtEnd	integer		0	optional																						
numDerivativesAtStart	integer		0	optional																						

Element gml:GeodesicString

Namespace	http://www.opengis.net/gml/3.2
Annotations	A sequence of geodesic segments. The number of control points shall be at least two. interpolation is fixed as "geodesic". The content model follows the general pattern for the encoding of curve segments.

Diagram



Type	gml:GeodesicStringType
------	------------------------

Properties	content: complex
------------	------------------

Substitution Group	• gml:Geodesic
--------------------	----------------

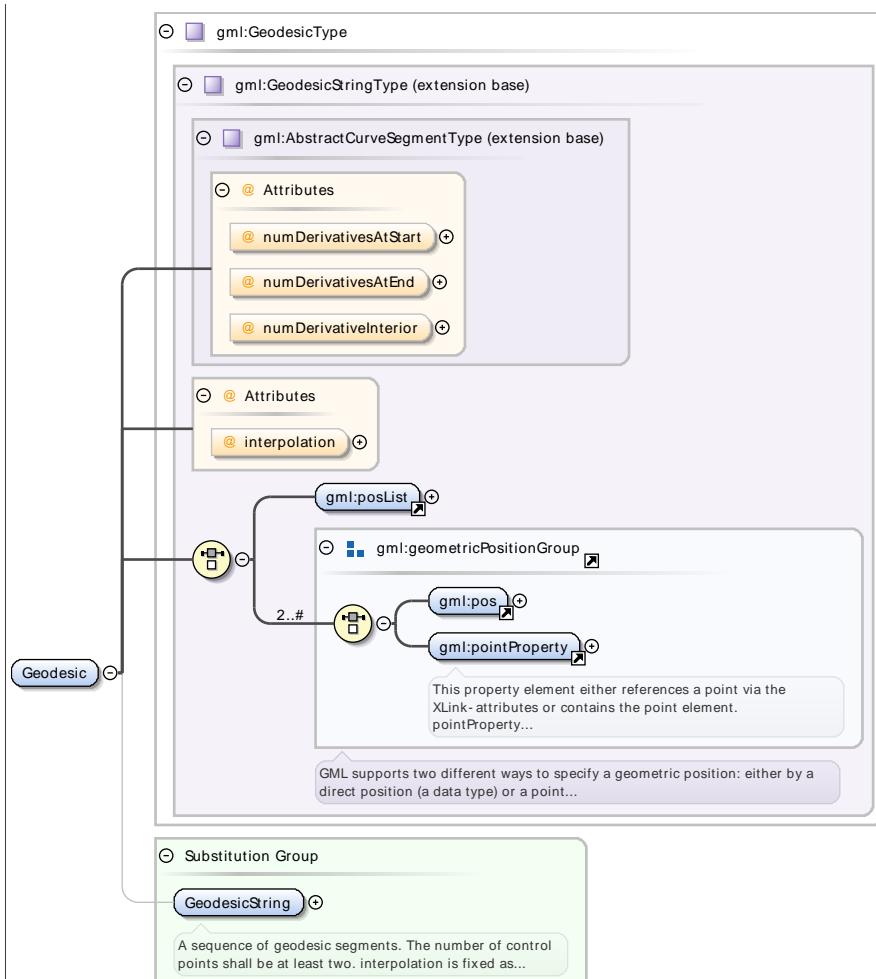
Substitution Group Affiliation	• gml:AbstractCurveSegment
--------------------------------	----------------------------

Attributes	QName	Type	Fixed	Default	Use
	interpolation	gml:CurveInterpolationType	geodesic		optional
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Element gml:Geodesic

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	<code>gml:GeodesicType</code>																									
Properties	content: complex																									
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:GeodesicString</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:CurveInterpolationType</code></td> <td>geodesic</td> <td></td> <td>optional</td> </tr> <tr> <td><code>numDerivativeInterior</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtEnd</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtStart</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	geodesic		optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional	<code>numDerivativesAtStart</code>	integer		0	optional
QName	Type	Fixed	Default	Use																						
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	geodesic		optional																						
<code>numDerivativeInterior</code>	integer		0	optional																						
<code>numDerivativesAtEnd</code>	integer		0	optional																						
<code>numDerivativesAtStart</code>	integer		0	optional																						

Element `gml:patches`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>patches</code> property element contains the sequence of surface patches. The order of the elements is significant and shall be preserved when processing the array.

Diagram	<p>The patches property element contains the sequence of surface patches. The order of the elements is significant and...</p>
Type	gml:SurfacePatchArrayType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • gml:polygonPatches • gml:trianglePatches

Element **gml:AbstractSurfacePatch**

Namespace	<p>http://www.opengis.net/gml/3.2</p> <p>Annotations</p> <p>A surface patch defines a homogenous portion of a surface. The AbstractSurfacePatch element is the abstract head of the substitution group for all surface patch elements describing a continuous portion of a surface. All surface patches shall have an attribute interpolation (declared in the types derived from gml:AbstractSurfacePatchType) specifying the interpolation mechanism used for the patch using gml:SurfaceInterpolationType.</p>
Diagram	<p>A surface patch defines a homogenous portion of a surface. The AbstractSurfacePatch element is the abstract head of...</p>
Type	gml:AbstractSurfacePatchType
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • gml:PolygonPatch • gml:Triangle • gml:Rectangle • gml:AbstractParametricCurveSurface • gml:AbstractGriddedSurface • gml:Cone • gml:Cylinder

- | |
|------------------------------|
| • gml:Sphere |
|------------------------------|

Element gml:Surface

Namespace	http://www.opengis.net/gml/3.2
Annotations	A Surface is a 2-dimensional primitive and is composed of one or more surface patches as specified in ISO 19107:2003, 6.3.17.1. The surface patches are connected to one another. patches encapsulates the patches of the surface.

Diagram

```

classDiagram
    class gml {
        class SurfaceType {
            class AbstractSurfaceType {
                class AbstractGeometricPrimitiveType {
                    class AbstractGeometryType {
                        class AbstractGMLType {
                            class StandardObjectProperties {
                                attribute gml:id
                                attribute metaDataProperty
                                attribute description
                                attribute descriptionReference
                                attribute identifier
                                attribute name
                            }
                            attribute SRSReferenceGroup
                            association patches
                            substitutionOf PolyhedralSurface
                            substitutionOf TriangulatedSurface
                            substitutionGroupOf AbstractSurface
                        }
                    }
                }
            }
        }
    }

```

gml:SurfaceType

gml:AbstractSurfaceType (extension base)

gml:AbstractGeometricPrimitiveType (extension base)

gml:AbstractGeometryType (extension base)

gml:AbstractGMLType (extension base)

Attributes

- gml:id**: The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...

gml:StandardObjectProperties

- gml:metaDataProperty**: 0..#
- gml:description**: The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...
- gml:descriptionReference**: The value of this property is a remote text description of the object. The xlink:href attribute of the...
- gml:identifier**: Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...
- gml:name**: 0..# The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...

Attributes

- gml:SRSReferenceGroup**: The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...

All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an...

gml:AbstractGeometricPrimitiveType is the abstract root type of the geometric primitives. A geometric primitive is a...

gml:AbstractSurfaceType is an abstraction of a surface to support the different levels of complexity. A surface is...

gml:patches: The patches property element contains the sequence of surface patches. The order of the elements is significant and...

Substitutions

- PolyhedralSurface**
- TriangulatedSurface**

A polyhedral surface is a surface composed of polygon patches connected along their common boundary curves. This...

A triangulated surface is a polyhedral surface that is composed only of triangles. There is no restriction on how the...

Substitution Group

- AbstractSurface**

The AbstractSurface element is the abstract head of the substitution group for all (continuous) surface elements.

Surface

A Surface is a 2-dimensional primitive and is composed of one or more surface patches as specified in ISO 19107:2003...

Properties	content: complex		
Substitution Group	<ul style="list-style-type: none"> • gml:PolyhedralSurface • gml:TriangulatedSurface • gml:Tin 		
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractSurface 		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element gml:baseSurface

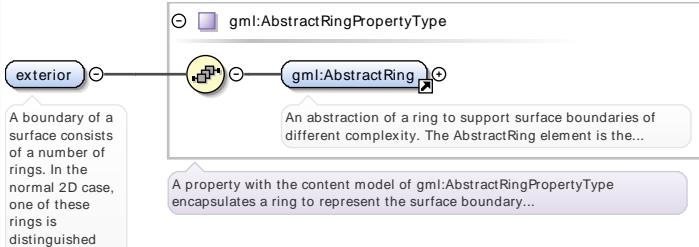
Namespace	http://www.opengis.net/gml/3.2				
Annotations	The property baseSurface references or contains the base surface. The property baseSurface either references the base surface via the XLink-attributes or contains the surface element. A surface element is any element which is substitutable for gml:AbstractSurface. The base surface has positive orientation.				
Diagram					
Type	gml:SurfacePropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element `gml:OrientableSurface`

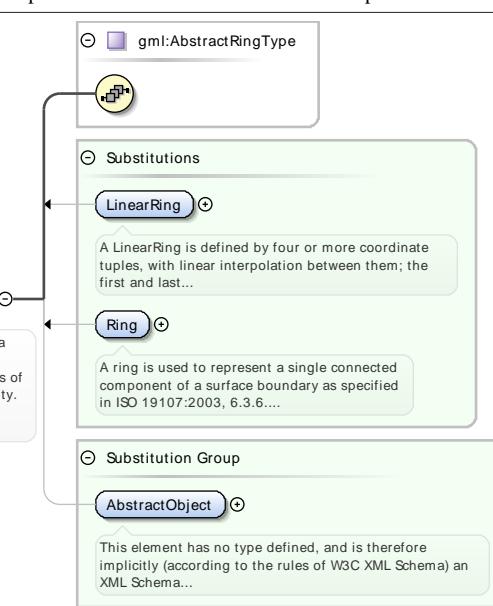
Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>OrientableSurface consists of a surface and an orientation. If the orientation is "+", then the OrientableSurface is identical to the baseSurface. If the orientation is "-", then the OrientableSurface is a reference to a gml:AbstractSurface with an up-normal that reverses the direction for this OrientableSurface, the sense of "the top of the surface".</p>
Diagram	
Type	<code>gml:OrientableSurfaceType</code>
Properties	content: complex

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractSurface</code> 				
Attributes	QName	Type	Default	Use	
	<code>axisLabels</code>	<code>gml:NCNameList</code>		optional	
	<code>gml:id</code>	<code>ID</code>		required	
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>				
	<code>orientation</code>	<code>gml:SignType</code>	+	optional	
	<code>srsDimension</code>	<code>positiveInteger</code>		optional	
	<code>srsName</code>	<code>anyURI</code>		optional	
		<code>uomLabels</code>	<code>gml:NCNameList</code>	optional	

Element `gml:exterior`

Namespace	<code>http://www.opengis.net/gml/3.2</code>	
Annotations	<p>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.</p>	
Diagram	 <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p>	<p><code>gml:AbstractRingPropertyType</code></p> <p><code>exterior</code></p> <p><code>gml:AbstractRing</code></p> <p>An abstraction of a ring to support surface boundaries of different complexity. The <code>AbstractRing</code> element is the...</p> <p>A property with the content model of <code>gml:AbstractRingPropertyType</code> encapsulates a ring to represent the surface boundary...</p>
Type	<code>gml:AbstractRingPropertyType</code>	
Properties	content:	complex

Element `gml:AbstractRing`

Namespace	<code>http://www.opengis.net/gml/3.2</code>	
Annotations	<p>An abstraction of a ring to support surface boundaries of different complexity. The <code>AbstractRing</code> element is the abstract head of the substitution group for all closed boundaries of a surface patch.</p>	
Diagram	 <p>An abstraction of a ring to support surface boundaries of different complexity. The <code>AbstractRing</code> element is the...</p> <p><code>gml:AbstractRingType</code></p> <p><code>AbstractRing</code></p> <p><code>Substitutions</code></p> <p><code>LinearRing</code></p> <p>A LinearRing is defined by four or more coordinate tuples, with linear interpolation between them; the first and last...</p> <p><code>Ring</code></p> <p>A ring is used to represent a single connected component of a surface boundary as specified in ISO 19107:2003, 6.3.6....</p> <p><code>Substitution Group</code></p> <p><code>AbstractObject</code></p> <p>This element has no type defined, and is therefore implicitly (according to the rules of W3C XML Schema) an XML Schema...</p>	
Type	<code>gml:AbstractRingType</code>	

Properties	content: complex abstract: true
Substitution Group	• gml:LinearRing • gml:Ring
Substitution Group Affiliation	• gml:AbstractObject

Element gml:interior

Namespace	http://www.opengis.net/gml/3.2
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	<p>A boundary of a surface consists of a number of rings. The "interior" rings separate the surface / surface patch from...</p> <p>An abstraction of a ring to support surface boundaries of different complexity. The AbstractRing element is the...</p> <p>A property with the content model of gml:AbstractRingPropertyType encapsulates a ring to represent the surface boundary...</p>
Type	gml:AbstractRingPropertyType
Properties	content: complex

Element gml:PolygonPatch

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml: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 shall be coplanar and the polygon uses planar interpolation in its interior. interpolation is fixed to "planar", i.e. an interpolation shall return points on a single plane. The boundary of the patch shall be contained within that plane.
Diagram	<p>A gml:PolygonPatch is a surface patch that is defined by a set of boundary curves and an underlying surface to which...</p> <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p> <p>0..# gml:interior</p> <p>A boundary of a surface consists of a number of rings. The "interior" rings separate the surface / surface patch from...</p> <p>Substitution Group</p> <p>AbstractSurfacePatch</p> <p>A surface patch defines a homogenous portion of a surface. The AbstractSurfacePatch element is the abstract head of...</p>
Type	gml:PolygonPatchType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractSurfacePatch

Attributes	QName	Type	Fixed	Use	
	interpolation	gml:SurfaceInterpolationType	planar	optional	

Element `gml:Triangle`

Namespace	http://www.opengis.net/gml/3.2														
Annotations	gml:Triangle represents a triangle as a surface patch with an outer boundary consisting of a linear ring. Note that this is a polygon (subtype) with no inner boundaries. The number of points in the linear ring shall be four. The ring (element exterior) shall be a gml:LinearRing and shall form a triangle, the first and the last position shall be coincident. interpolation is fixed to "planar", i.e. an interpolation shall return points on a single plane. The boundary of the patch shall be contained within that plane.														
Diagram	<p>gml:Triangle represents a triangle as a surface patch with an outer boundary consisting of a linear ring. Note that...</p> <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p> <p>Substitution Group</p> <p>AbstractSurfacePatch</p>														
Type	gml:TriangleType														
Properties	content: complex														
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractSurfacePatch 														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gml:SurfaceInterpolationType</td> <td>planar</td> <td>optional</td> <td></td> </tr> </tbody> </table>					QName	Type	Fixed	Use		interpolation	gml:SurfaceInterpolationType	planar	optional	
QName	Type	Fixed	Use												
interpolation	gml:SurfaceInterpolationType	planar	optional												

Element `gml:Rectangle`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:Rectangle represents a rectangle as a surface patch with an outer boundary consisting of a linear ring. Note that this is a polygon (subtype) with no inner boundaries. The number of points in the linear ring shall be five. The ring (element exterior) shall be a gml:LinearRing and shall form a rectangle; the first and the last position shall be coincident. interpolation is fixed to "planar", i.e. an interpolation shall return points on a single plane. The boundary of the patch shall be contained within that plane.				
Diagram	<p>gml:Rectangle represents a rectangle as a surface patch with an outer boundary consisting of a linear ring. Note that...</p> <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p> <p>Substitution Group</p> <p>AbstractSurfacePatch</p>				
Type	gml:RectangleType				
Properties	content: complex				
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractSurfacePatch 				

Type	gml:RectangleType			
Properties	content: complex			
Substitution Group Affiliation	• gml:AbstractSurfacePatch			
Attributes	QName	Type	Fixed	Use
	interpolation	gml:SurfaceInterpolationType	planar	optional

Element gml:Ring

Namespace	http://www.opengis.net/gml/3.2			
Annotations	A ring is used to represent a single connected component of a surface boundary as specified in ISO 19107:2003, 6.3.6. Every gml:curveMember references or contains one curve, i.e. any element which is substitutable for gml:AbstractCurve. In the context of a ring, the curves describe the boundary of the surface. The sequence of curves shall be contiguous and connected in a cycle. If provided, the aggregationType attribute shall have the value "sequence".			
Diagram	<pre> classDiagram class gml:RingType { <<extension base of gml:AbstractRingType>> <<Attributes>> <<gml:AggregationAttributeGroup>> <<Substitution Group>> <<AbstractRing>> } class gml:AbstractRingType { <<extension base of gml:RingType>> } class gml:curveMember { <<1..# multiplicity>> } </pre>			
Type	gml:RingType			
Properties	content: complex			
Substitution Group Affiliation	• gml:AbstractRing			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	

Element gml:PointGrid / gml:rows

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Properties	content: complex			

Element gml:PointGrid / gml:rows / gml:Row

Namespace	http://www.opengis.net/gml/3.2			
-----------	--------------------------------	--	--	--

Diagram					
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				

Element **gml:AbstractParametricCurveSurface**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>The element provides a substitution group head for the surface patches based on parametric curves. All properties are specified in the derived subtypes. All derived subtypes shall conform to the constraints specified in ISO 19107:2003, 6.4.40. If provided, the aggregationType attribute shall have the value "set".</p>				
Diagram					
Type	gml:AbstractParametricCurveSurfaceType				
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				
Substitution Group	<ul style="list-style-type: none"> gml:AbstractGriddedSurface gml:Cone gml:Cylinder gml:Sphere 				
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractSurfacePatch 				

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional

Element `gml:AbstractGriddedSurface`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	if provided, rows gives the number of rows, columns the number of columns in the parameter grid. The parameter grid is represented by an instance of the <code>gml:PointGrid</code> group. The element provides a substitution group head for the surface patches based on a grid. All derived subtypes shall conform to the constraints specified in ISO 19107:2003, 6.4.41.		
Diagram			
Type	<code>gml:AbstractGriddedSurfaceType</code>		
Properties	<p>content: complex</p> <p>abstract: true</p>		
Substitution Group	<ul style="list-style-type: none"> gml:Cone gml:Cylinder gml:Sphere 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractParametricCurveSurface 		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	columns	integer	optional

QName	Type	Use	
rows	integer	optional	

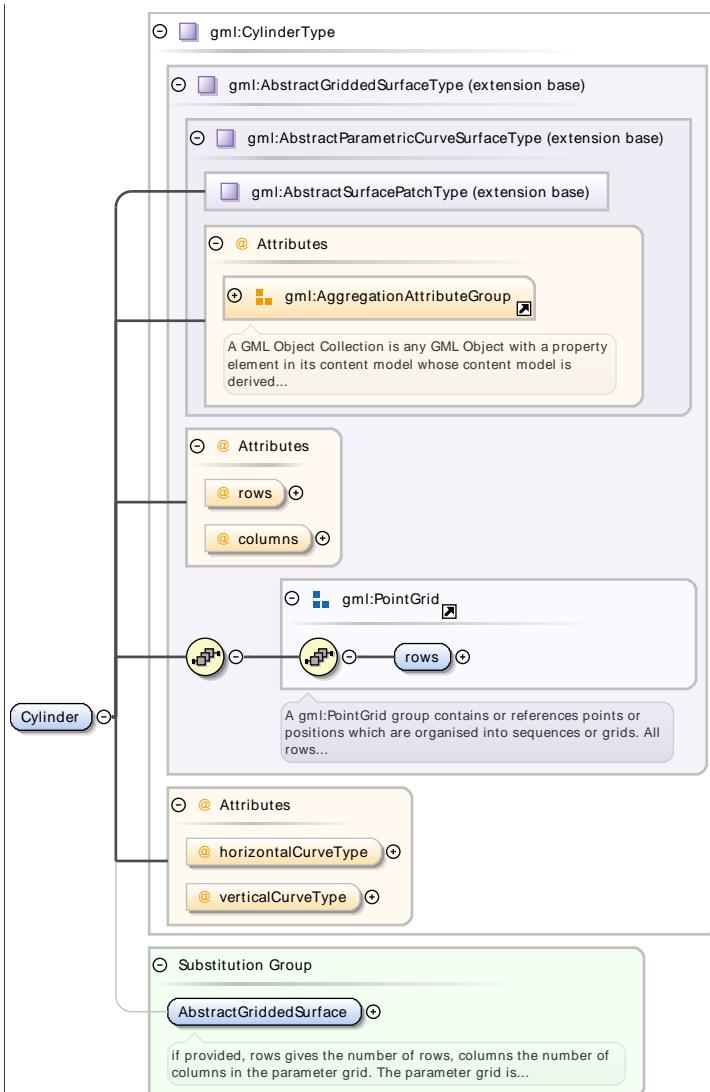
Element `gml:Cone`

Namespace	http://www.opengis.net/gml/3.2																								
Diagram	<p>The diagram illustrates the class structure for <code>gml:Cone</code>. It is derived from <code>gml:AbstractGriddedSurfaceType</code>, which itself is derived from <code>gml:AbstractParametricCurveSurfaceType</code> and <code>gml:AbstractSurfacePatchType</code>. The class <code>gml:Cone</code> has the following attributes:</p> <ul style="list-style-type: none"> <code>@rows</code>: An integer attribute. <code>@columns</code>: An integer attribute. <code>@horizontalCurveType</code>: A reference to <code>gml:CurveInterpolationType</code>. <code>@verticalCurveType</code>: A reference to <code>gml:CurveInterpolationType</code>. <p>A note indicates that the <code>rows</code> attribute specifies the number of rows in the parameter grid.</p>																								
Type	<code>gml:ConeType</code>																								
Properties	content: complex																								
Substitution Group Affiliation	• <code>gml:AbstractGriddedSurface</code>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>columns</code></td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td><code>horizontalCurveType</code></td> <td><code>gml:CurveInterpolationType</code></td> <td><code>circularArc3Points</code></td> <td>optional</td> </tr> <tr> <td><code>rows</code></td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td><code>verticalCurveType</code></td> <td><code>gml:CurveInterpolationType</code></td> <td><code>linear</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>		optional	<code>columns</code>	integer		optional	<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional	<code>rows</code>	integer		optional	<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional
QName	Type	Fixed	Use																						
<code>aggregationType</code>	<code>gml:AggregationType</code>		optional																						
<code>columns</code>	integer		optional																						
<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional																						
<code>rows</code>	integer		optional																						
<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional																						

Element `gml:Cylinder`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

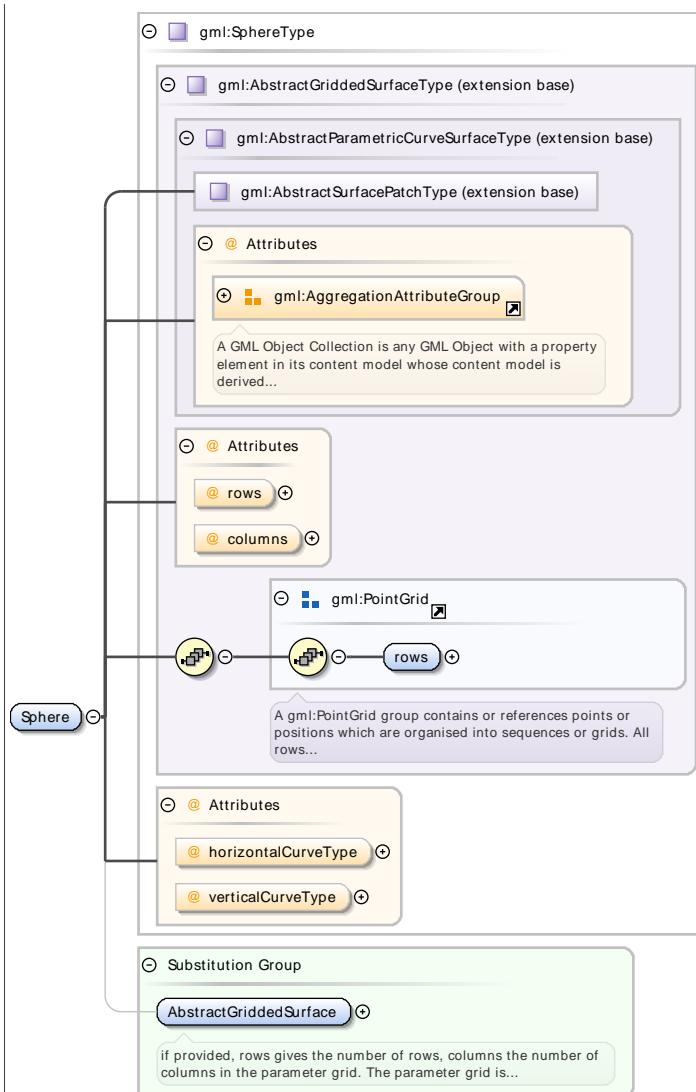


Type	<code>gml:CylinderType</code>																								
Properties	content: complex																								
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGriddedSurface</code> 																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>columns</code></td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td><code>horizontalCurveType</code></td> <td><code>gml:CurveInterpolationType</code></td> <td><code>circularArc3Points</code></td> <td>optional</td> </tr> <tr> <td><code>rows</code></td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td><code>verticalCurveType</code></td> <td><code>gml:CurveInterpolationType</code></td> <td><code>linear</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>		optional	<code>columns</code>	integer		optional	<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional	<code>rows</code>	integer		optional	<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional
QName	Type	Fixed	Use																						
<code>aggregationType</code>	<code>gml:AggregationType</code>		optional																						
<code>columns</code>	integer		optional																						
<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional																						
<code>rows</code>	integer		optional																						
<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional																						

Element `gml:Sphere`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

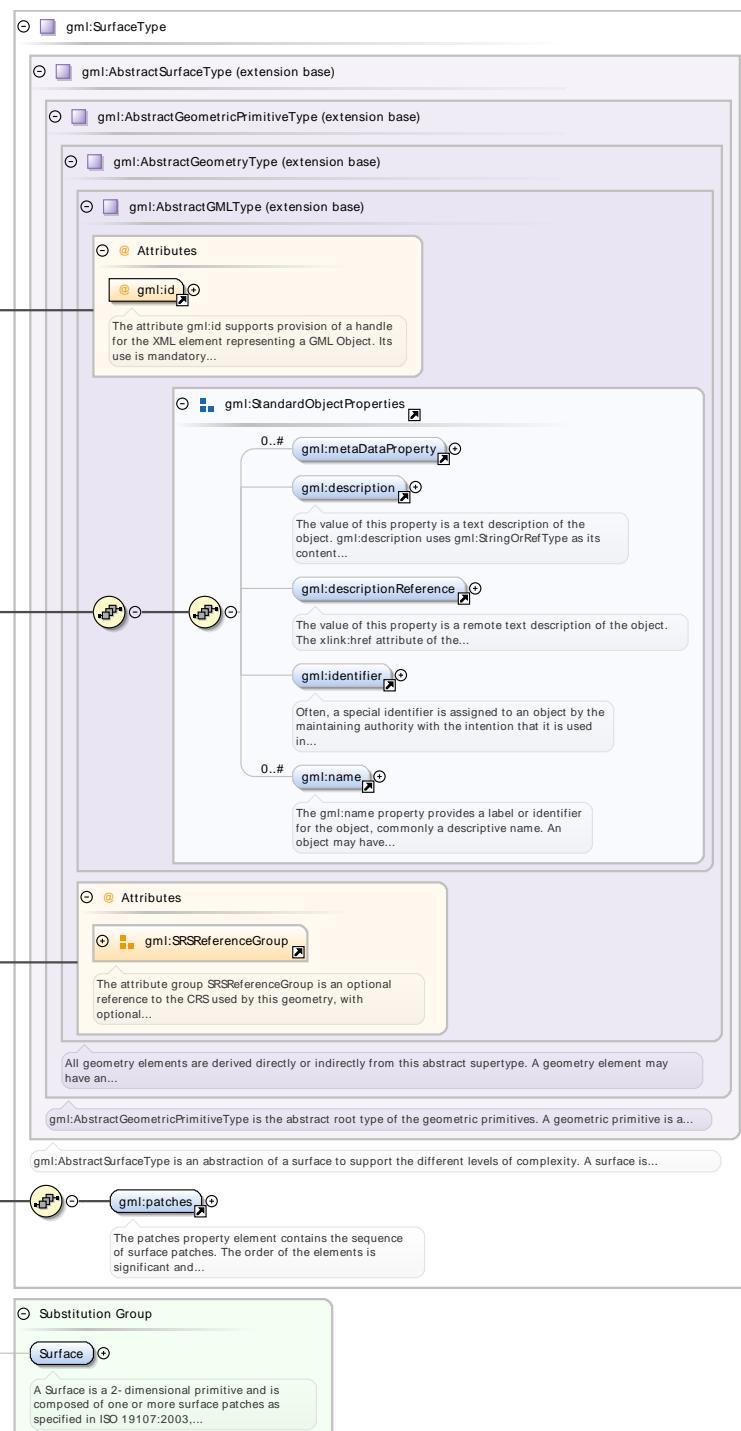


Type	<code>gml:SphereType</code>																								
Properties	content: complex																								
Substitution Group Affiliation	• <code>gml:AbstractGriddedSurface</code>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td><code>gml:AggregationType</code></td> <td></td> <td>optional</td> </tr> <tr> <td>columns</td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td>horizontalCurveType</td> <td><code>gml:CurveInterpolationType</code></td> <td><code>circularArc3Points</code></td> <td>optional</td> </tr> <tr> <td>rows</td> <td>integer</td> <td></td> <td>optional</td> </tr> <tr> <td>verticalCurveType</td> <td><code>gml:CurveInterpolationType</code></td> <td><code>circularArc3Points</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	aggregationType	<code>gml:AggregationType</code>		optional	columns	integer		optional	horizontalCurveType	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional	rows	integer		optional	verticalCurveType	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional
QName	Type	Fixed	Use																						
aggregationType	<code>gml:AggregationType</code>		optional																						
columns	integer		optional																						
horizontalCurveType	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional																						
rows	integer		optional																						
verticalCurveType	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional																						

Element `gml:PolyhedralSurface`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A polyhedral surface is a surface composed of polygon patches connected along their common boundary curves. This differs from the surface type only in the restriction on the types of surface patches acceptable. <code>polygonPatches</code> encapsulates the polygon patches of the polyhedral surface.

Diagram



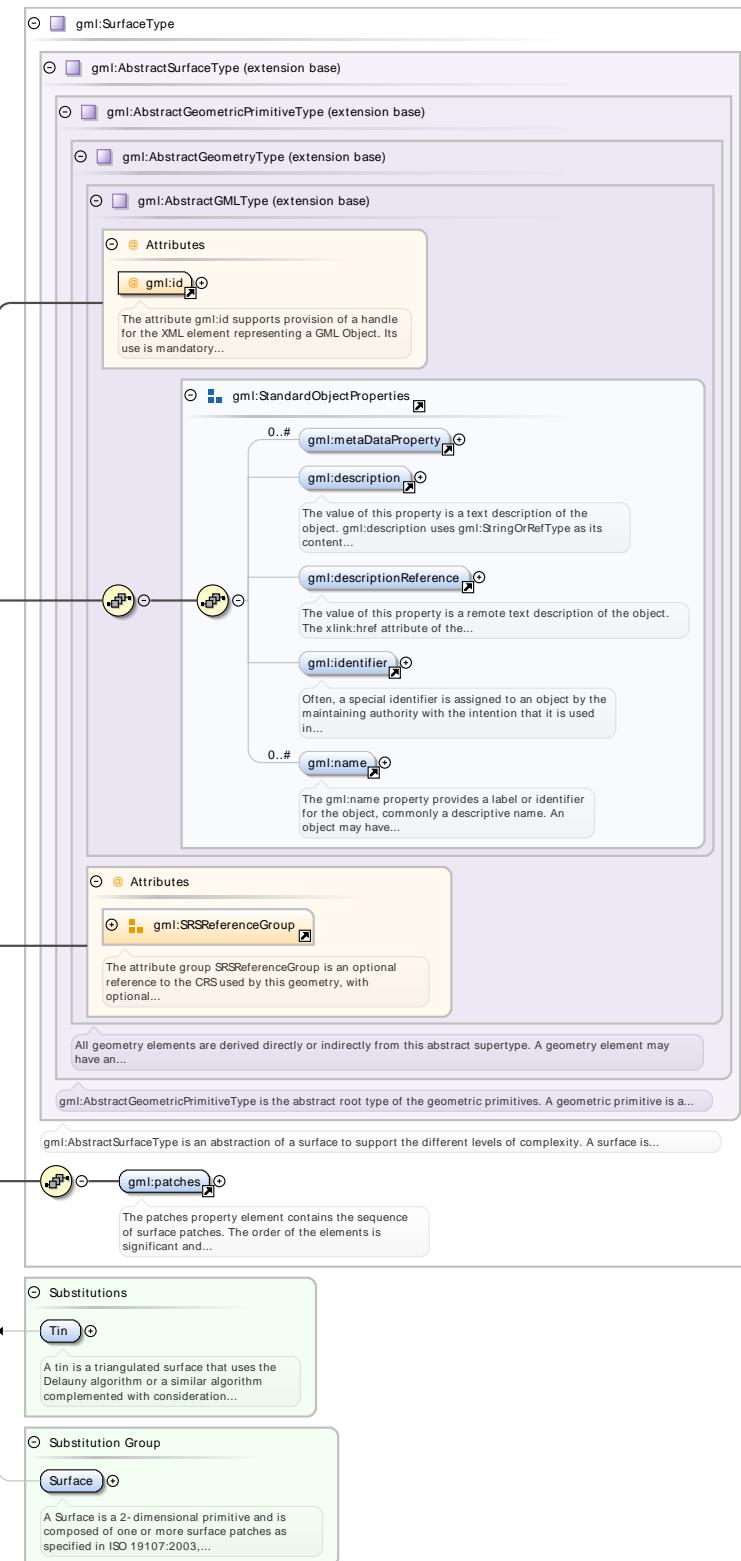
Type	gml:SurfaceType		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:Surface 		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

QName	Type	Use	
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element `gml:TriangulatedSurface`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A triangulated surface is a polyhedral surface that is composed only of triangles. There is no restriction on how the triangulation is derived. trianglePatches encapsulates the triangles of the triangulated surface.

Diagram



Type	gml:SurfaceType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> gml:Tin
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Surface

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element **gml:tinType / gml:stopLines**

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:LineStringSegmentArrayPropertyType						
Properties	<table> <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						

Element **gml:tinType / gml:breakLines**

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:LineStringSegmentArrayPropertyType						
Properties	<table> <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						

Element **gml:tinType / gml:maxLength**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>gml:LengthType</p> <p>gml:MeasureType (extension base)</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p> <p>Attributes</p> <p>@ uom</p> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p> <p>This is a prototypical definition for a specific measure type defined as a vacuous extension (i.e. aliases) of...</p>						
Type	gml:LengthType						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

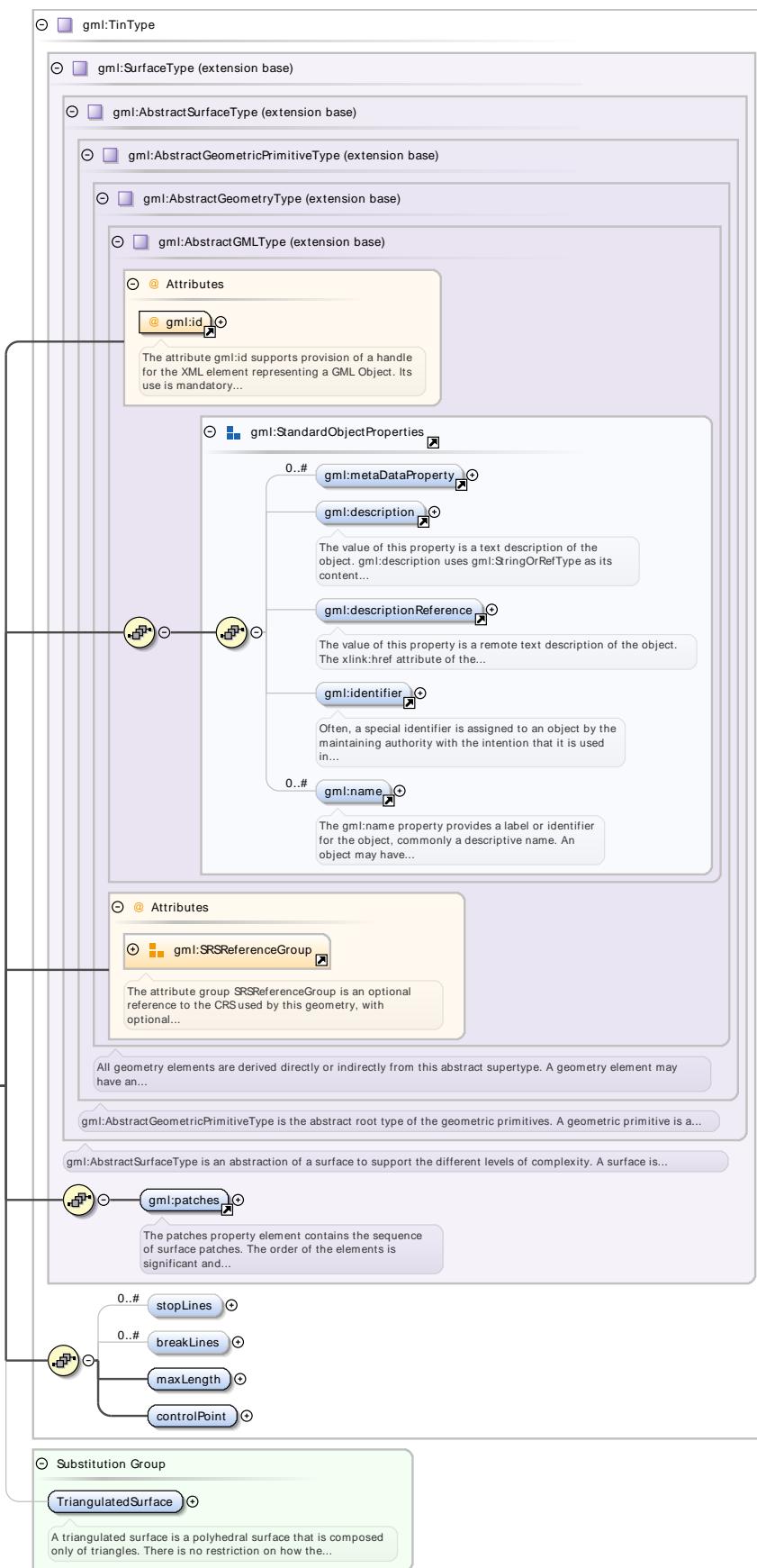
Element gml:TinType / gml:controlPoint

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>controlPoint</p> <p>gml:posList</p> <p>gml:geometricPositionGroup</p> <p>3..#</p> <p>gml:pos</p> <p>gml:pointProperty</p> <p>This property element either references a point via the XLink- attributes or contains the point element pointProperty...</p> <p>GML supports two different ways to specify a geometric position: either by a direct position (a data type) or a point...</p>
Properties	content: complex

Element gml:Tin

Namespace	http://www.opengis.net/gml/3.2
Annotations	A tin is a triangulated surface that uses the Delaunay algorithm or a similar algorithm complemented with consideration of stoplines (stopLines), breaklines (breakLines), and maximum length of triangle sides (maxLength). controlPoint shall contain a set of the positions (three or more) used as posts for this TIN (corners of the triangles in the TIN). See ISO 19107:2003, 6.4.39 for details.

Diagram



Type	<code>gml:TinType</code>
Properties	content: complex

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:TriangulatedSurface</code> 			
Attributes	QName	Type	Use	
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	
	<code>gml:id</code>	<code>ID</code>	required	
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>			
	<code>srsDimension</code>	<code>positiveInteger</code>	optional	
	<code>srsName</code>	<code>anyURI</code>	optional	
	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional	

Element `gml:solidProperty`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>This property element either references a solid via the XLink-attributes or contains the solid element. <code>solidProperty</code> is the predefined property which may be used by GML Application Schemas whenever a GML feature has a property with a value that is substitutable for <code>AbstractSolid</code>.</p>				
Diagram					
Type	<code>gml:SolidPropertyType</code>				
Properties	<p>content: <code>complex</code></p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	<code>anyURI</code>			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	<code>boolean</code>		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:SolidType / gml:exterior`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	<p>gml:ShellPropertyType</p> <p>exterior → gml:Shell</p> <p>A shell is used to represent a single connected component of a solid boundary as specified in ISO 19107:2003, 6.3.8....</p> <p>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid...</p>				
Type	gml:ShellPropertyType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element gml:Shell

Namespace	http://www.opengis.net/gml/3.2						
Annotations	A shell is used to represent a single connected component of a solid boundary as specified in ISO 19107:2003, 6.3.8. Every gml:surfaceMember references or contains one surface, i.e. any element which is substitutable for gml:AbstractSurface. In the context of a shell, the surfaces describe the boundary of the solid. If provided, the aggregationType attribute shall have the value "set".						
Diagram	<p>gml:ShellType</p> <p>Attributes</p> <p>gml:AggregationAttributeGroup</p> <p>A GML Object Collection is any GML Object with a property element in its content model whose content model is derived...</p> <p>Shell → 1..# gml:surfaceMember</p> <p>This property element either references a surface via the XLink- attributes or contains the surface element. A surface...</p> <p>Substitution Group</p> <p>AbstractObject</p> <p>This element has no type defined, and is therefore implicitly (according to the rules of W3C XML Schema) an XML Schema...</p> <p>A shell is used to represent a single connected component of a solid boundary as specified in ISO 19107:2003, 6.3.8....</p>						
Type	gml:ShellType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex				
content:	complex						
Substitution Group Affiliation	• gml:AbstractObject						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional
QName	Type	Use					
aggregationType	gml:AggregationType	optional					

Element gml:SolidType / gml:interior

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>gml:ShellPropertyType</p> <p>interior → gml:Shell</p> <p>A shell is used to represent a single connected component of a solid boundary as specified in ISO 19107:2003, 6.3.8....</p> <p>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid...</p>
Type	gml:ShellPropertyType

Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
------------	-------------------------------------------------------------------------

Element `gml:Solid`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A solid is the basis for 3-dimensional geometry. The extent of a solid is defined by the boundary surfaces as specified in ISO 19107:2003, 6.3.18. exterior specifies the outer boundary, interior the inner boundary of the solid.</p>
Diagram	

Type	gml:SolidType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSolid		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element gml:surfaceProperty

Namespace	http://www.opengis.net/gml/3.2			
Annotations	This property element either references a surface via the XLink-attributes or contains the surface element. surfaceProperty is the predefined property which may be used by GML Application Schemas whenever a GML feature has a property with a value that is substitutable for AbstractSurface.			
Diagram				
Type	gml:SurfacePropertyType			
Properties	content: complex			
Attributes	QName	Type	Fixed	
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	owns	boolean	false	optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:Polygon

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Annotations	A Polygon is a special surface that is defined by a single surface patch (see D.3.6). The boundary of this patch is coplanar and the polygon uses planar interpolation in its interior. The elements exterior and interior describe the surface boundary of the polygon.
Diagram	<p>The diagram illustrates the schema structure for <code>gml:PolygonType</code>. It shows the inheritance path from <code>gml:AbstractSurfaceType</code> to <code>gml:AbstractGeometricPrimitiveType</code> and then to <code>gml:AbstractGeometryType</code>. The <code>gml:id</code> attribute is marked as mandatory. The <code>gml:metaDataProperty</code> group contains <code>gml:description</code>, <code>gml:descriptionReference</code>, <code>gml:identifier</code>, and <code>gml:name</code>. The <code>gml:SRSReferenceGroup</code> attribute group is optional. The boundary is defined by <code>gml:exterior</code> and <code>gml:interior</code>. A <code>Substitution Group</code> for <code>AbstractSurface</code> is also shown.</p>
Type	<code>gml:PolygonType</code>
Properties	content: complex

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractSurface</code> 		
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>		
	<code>srsDimension</code>	<code>positiveInteger</code>	optional
	<code>srsName</code>	<code>anyURI</code>	optional
		<code>uomLabels</code>	<code>gml:NCNameList</code>
		optional	

Element `gml:LinearRing`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A LinearRing is defined by four or more coordinate tuples, with linear interpolation between them; the first and last coordinates shall be coincident. The number of direct positions in the list shall be at least four.
Diagram	
Type	<code>gml:LinearRingType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractRing</code>

Element `gml:vector`

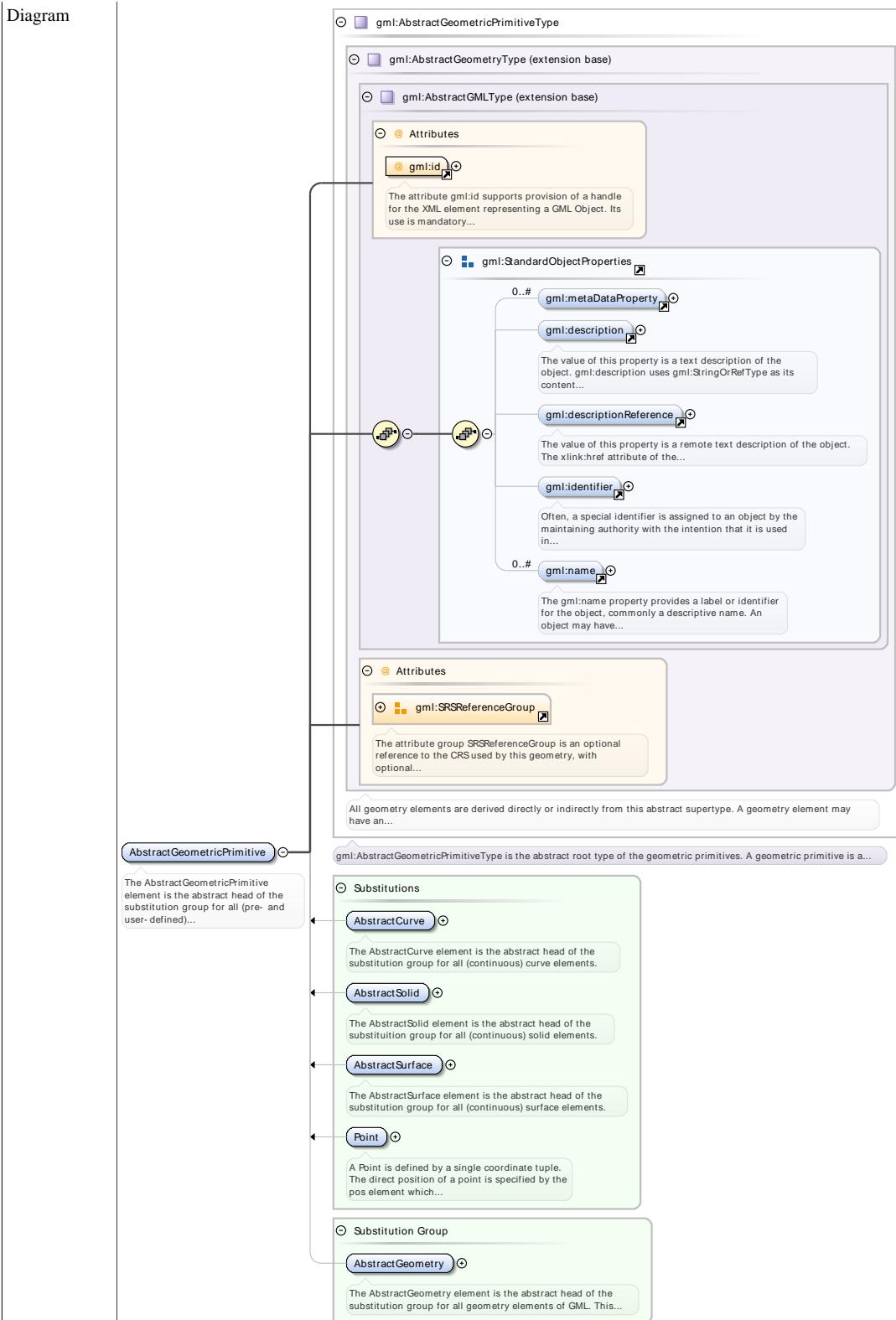
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram																
Type	gml:VectorType															
Properties	content: complex															
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">axisLabels</td><td style="padding: 2px;">gml:NCNameList</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">srsDimension</td><td style="padding: 2px;">positiveInteger</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">srsName</td><td style="padding: 2px;">anyURI</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">uomLabels</td><td style="padding: 2px;">gml:NCNameList</td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use														
axisLabels	gml:NCNameList	optional														
srsDimension	positiveInteger	optional														
srsName	anyURI	optional														
uomLabels	gml:NCNameList	optional														

Element **gml:AbstractGeometricPrimitive**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The AbstractGeometricPrimitive element is the abstract head of the substitution group for all (pre- and user-defined) geometric primitives.

Diagram



Type	gml:AbstractGeometricPrimitiveType
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> gml:Point gml:AbstractCurve gml:LineString

	<ul style="list-style-type: none"> • <code>gml:CompositeCurve</code> • <code>gml:Curve</code> • <code>gml:OrientableCurve</code> • <code>gml:AbstractSolid</code> • <code>gml:Solid</code> • <code>gml:CompositeSolid</code> • <code>gml:AbstractSurface</code> • <code>gml:Polygon</code> • <code>gml:CompositeSurface</code> • <code>gml:Surface</code> • <code>gml:PolyhedralSurface</code> • <code>gml:TriangulatedSurface</code> • <code>gml:Tin</code> • <code>gml:OrientableSurface</code> 																												
Substitution Group Affiliation	• <code>gml:AbstractGeometry</code>																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> <td></td> </tr> <tr> <td><code>gml:id</code></td> <td><code>ID</code></td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td><code>srsDimension</code></td> <td><code>positiveInteger</code></td> <td>optional</td> <td></td> </tr> <tr> <td><code>srsName</code></td> <td><code>anyURI</code></td> <td>optional</td> <td></td> </tr> <tr> <td><code>uomLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<code>axisLabels</code>	<code>gml:NCNameList</code>	optional		<code>gml:id</code>	<code>ID</code>	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.			<code>srsDimension</code>	<code>positiveInteger</code>	optional		<code>srsName</code>	<code>anyURI</code>	optional		<code>uomLabels</code>	<code>gml:NCNameList</code>	optional	
QName	Type	Use																											
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																											
<code>gml:id</code>	<code>ID</code>	required																											
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.																												
<code>srsDimension</code>	<code>positiveInteger</code>	optional																											
<code>srsName</code>	<code>anyURI</code>	optional																											
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional																											

Element `gml:curveProperty`

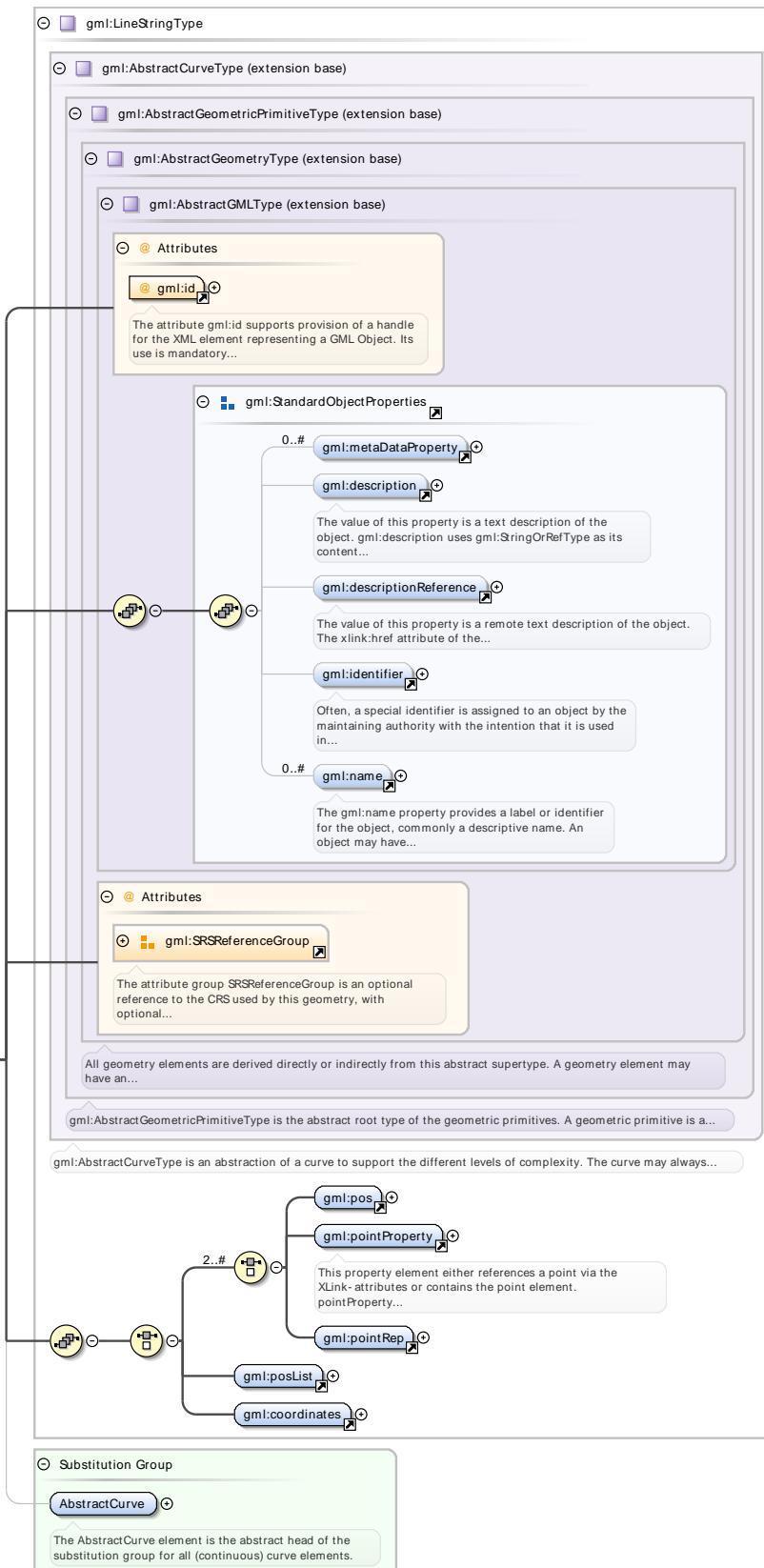
Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>This property element either references a curve via the XLink-attributes or contains the curve element. <code>curveProperty</code> is the predefined property which may be used by GML Application Schemas whenever a GML feature has a property with a value that is substitutable for <code>AbstractCurve</code>.</p>
Diagram	
Type	<code>gml:CurvePropertyType</code>

Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element **gml:LineString**

Namespace	http://www.opengis.net/gml/3.2
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. The number of direct positions in the list shall be at least two.

Diagram



Type	gml:LineStringType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractCurve

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element **gml:measure**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	The value of a physical quantity, together with its unit.								
Diagram	<p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>								
Type	gml:MeasureType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>uom</td> <td>gml:UomIdentifier</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use							
uom	gml:UomIdentifier	required							

Element **gml:angle**

Namespace	http://www.opengis.net/gml/3.2								
Annotations	The gml:angle property element is used to record the value of an angle quantity as a single number, with its units.								
Diagram	<p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>								
Type	gml:AngleType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>uom</td> <td>gml:UomIdentifier</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use							
uom	gml:UomIdentifier	required							

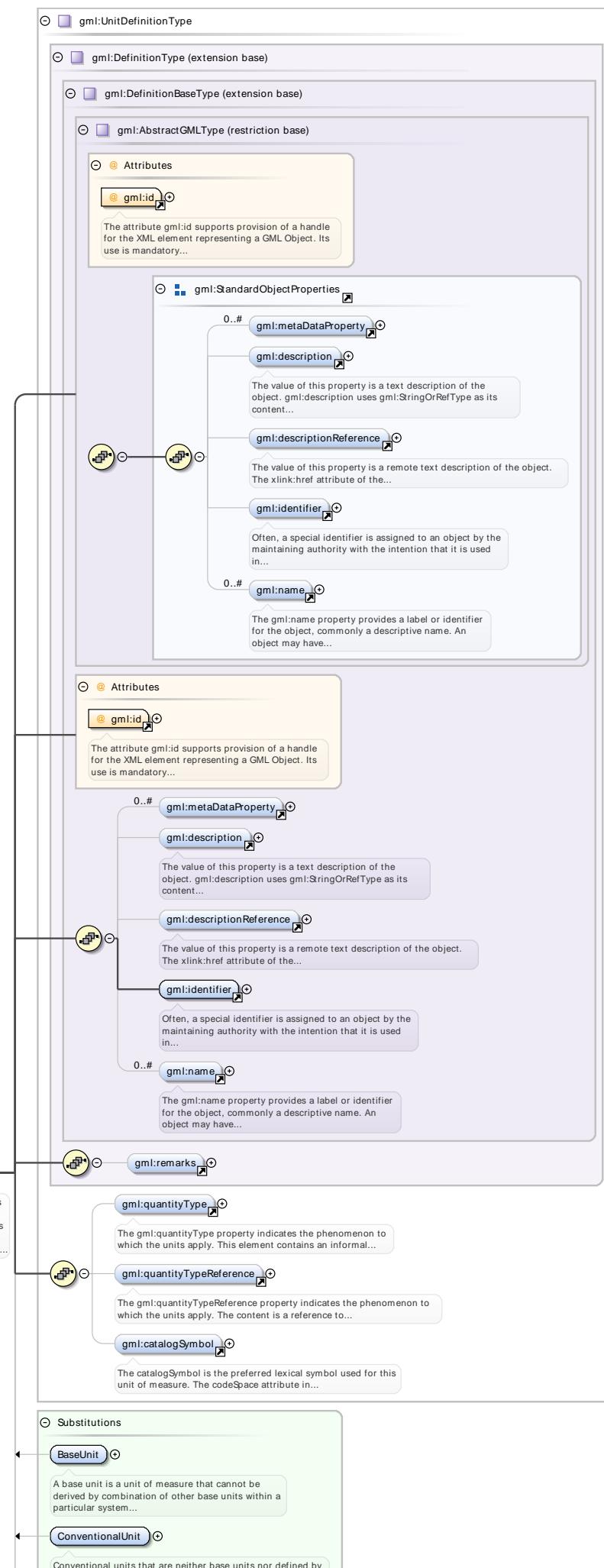
Element `gml:unitOfMeasure`

Namespace	http://www.opengis.net/gml/3.2						
Annotations	The element <code>gml:unitOfMeasure</code> is a property element to refer to a unit of measure. This is an empty element which carries a reference to a unit of measure definition.						
Diagram	<pre> classDiagram class unitOfMeasure class gmlUnitOfMeasureType { attribute @ uom } unitOfMeasure "1" -- "*" gmlUnitOfMeasureType note over unitOfMeasure: The element gml:unitOfMeasure is a property element to refer to a unit of measure. This is an empty element which... </pre>						
Type	<code>gml:UnitOfMeasureType</code>						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use					
<code>uom</code>	<code>gml:UomIdentifier</code>	required					

Element `gml:UnitDefinition`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A <code>gml:UnitDefinition</code> is a general definition of a unit of measure. This generic element is used only for units for which no relationship with other units or units systems is known. The content model of <code>gml:UnitDefinition</code> adds three additional properties to <code>gml:Definition</code> , <code>gml:quantityType</code> , <code>gml:quantityTypeReference</code> and <code>gml:catalogSymbol</code> . The <code>gml:catalogSymbol</code> property optionally gives the short symbol used for this unit. This element is usually used when the relationship of this unit to other units or units systems is unknown.

Diagram



Type	gml:UnitDefinitionType		
Properties	content: complex		
Substitution Group	<ul style="list-style-type: none"> • gml:BaseUnit • gml:DerivedUnit • gml:ConventionalUnit 		
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:Definition 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:remarks

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	string		
Properties	content: simple		

Element gml:quantityType

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<p>The gml:quantityType property indicates the phenomenon to which the units apply. This element contains an informal description of the phenomenon or type of physical quantity that is measured or observed. When the physical quantity is the result of an observation or measurement, this term is known as observable type or measurand. The use of gml:quantityType for references to remote values is deprecated.</p>		
Diagram			
Type	gml:StringOrRefType		
Properties	content: complex		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed Use optional optional optional optional optional optional optional optional optional

Element `gml:quantityTypeReference`

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	The <code>gml:quantityTypeReference</code> property indicates the phenomenon to which the units apply. The content is a reference to a remote value.																																																							
Diagram	<p>The <code>gml:quantityTypeReference</code> property indicates the phenomenon to which the units apply. The content is a reference to a...</p> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p>																																																							
Type	<code>gml:ReferenceType</code>																																																							
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><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:catalogSymbol`

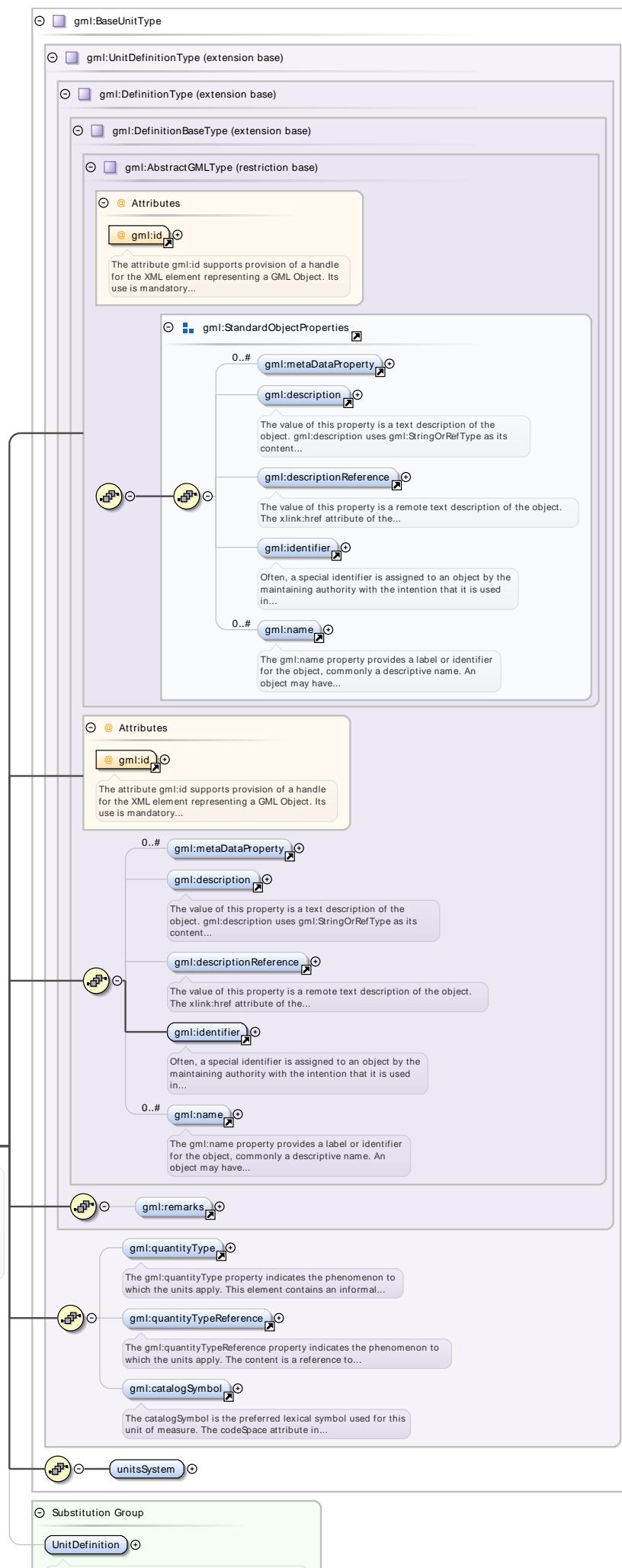
Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>catalogSymbol</code> is the preferred lexical symbol used for this unit of measure. The <code>codeSpace</code> attribute in <code>gml:CodeType</code> identifies a namespace for the catalog symbol value, and might reference the external catalog. The string value in <code>gml:CodeType</code> contains the value of a symbol that should be unique within this catalog namespace. This symbol often appears explicitly in the catalog, but it could be a combination of symbols using a specified algebra of units.
Diagram	<p>The <code>catalogSymbol</code> is the preferred lexical symbol used for this unit of measure. The <code>codeSpace</code> attribute in...</p> <p>gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute <code>codeSpace</code> to a term...</p>
Type	<code>gml:CodeType</code>
Properties	content: complex

Attributes	QName	Type	Use
	codeSpace	anyURI	optional

Element **gml:BaseUnit**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A base unit is a unit of measure that cannot be derived by combination of other base units within a particular system of units. For example, in the SI system of units, the base units are metre, kilogram, second, Ampere, Kelvin, mole, and candela, for the physical quantity types length, mass, time interval, electric current, thermodynamic temperature, amount of substance and luminous intensity, respectively. gml:BaseUnit extends generic gml:UnitDefinition with the property gml:unitsSystem, which carries a reference to the units system to which this base unit is asserted to belong.

Diagram



Type	gml:BaseUnitType		
Properties	content: complex		
Substitution Group Affiliation	• gml:UnitDefinition		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

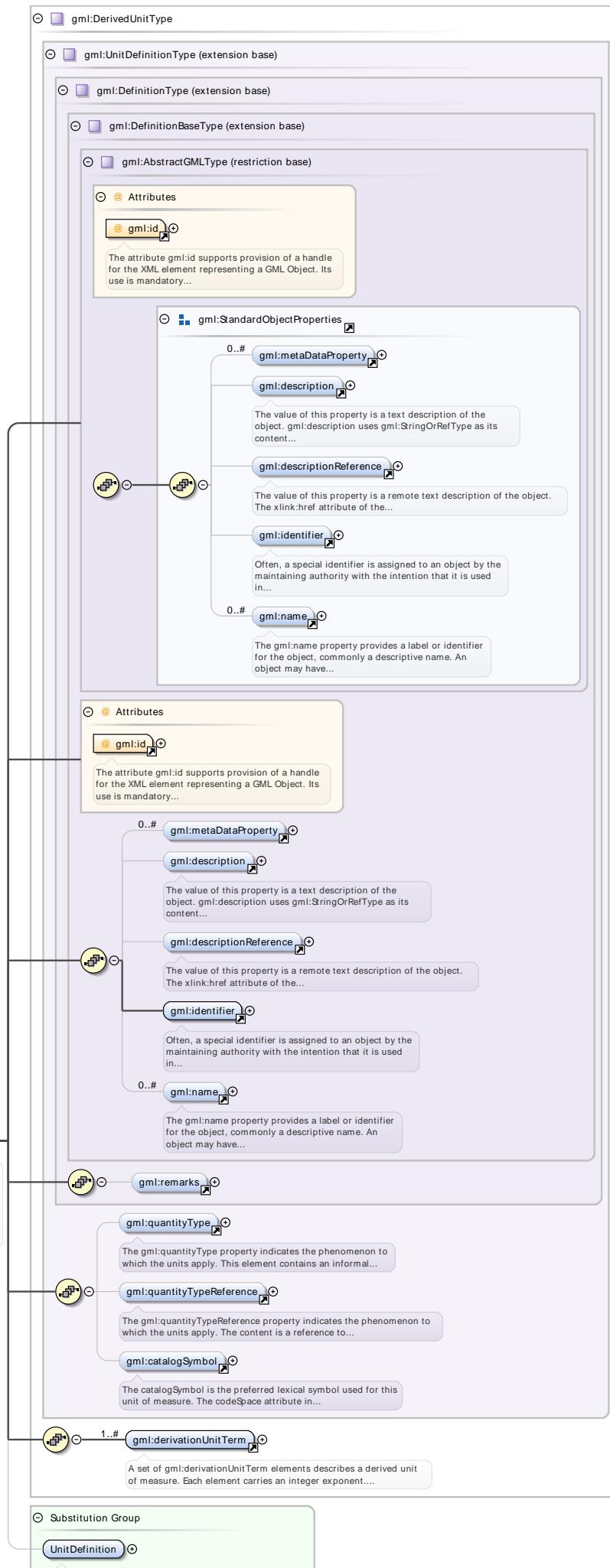
Element gml:BaseUnitType / gml:unitsSystem

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the relationship between the <code>unitsSystem</code> element and the <code>gml:ReferenceType</code>. The <code>unitsSystem</code> element is shown as a rounded rectangle with a dashed border, connected to a larger rounded rectangle representing <code>gml:ReferenceType</code>. Inside the <code>gml:ReferenceType</code> box, there are two nested boxes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box points to the <code>gml:AssociationAttributeGroup</code> with the text: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...".</p>				
Type	gml:ReferenceType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:DerivedUnit

Namespace	http://www.opengis.net/gml/3.2	
Annotations	<p>Derived units are defined by combination of other units. Derived units are used for quantities other than those corresponding to the base units, such as hertz (s⁻¹) for frequency, Newton (kg.m/s²) for force. Derived units based directly on base units are usually preferred for quantities other than the fundamental quantities within a system. If a derived unit is not the preferred unit, the <code>gml:ConventionalUnit</code> element should be used instead. The <code>gml:DerivedUnit</code> extends <code>gml:UnitDefinition</code> with the property <code>gml:derivationUnitTerms</code>.</p>	

Diagram



Type	gml:DerivedUnitType		
Properties	content: complex		
Substitution Group Affiliation	• gml:UnitDefinition		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

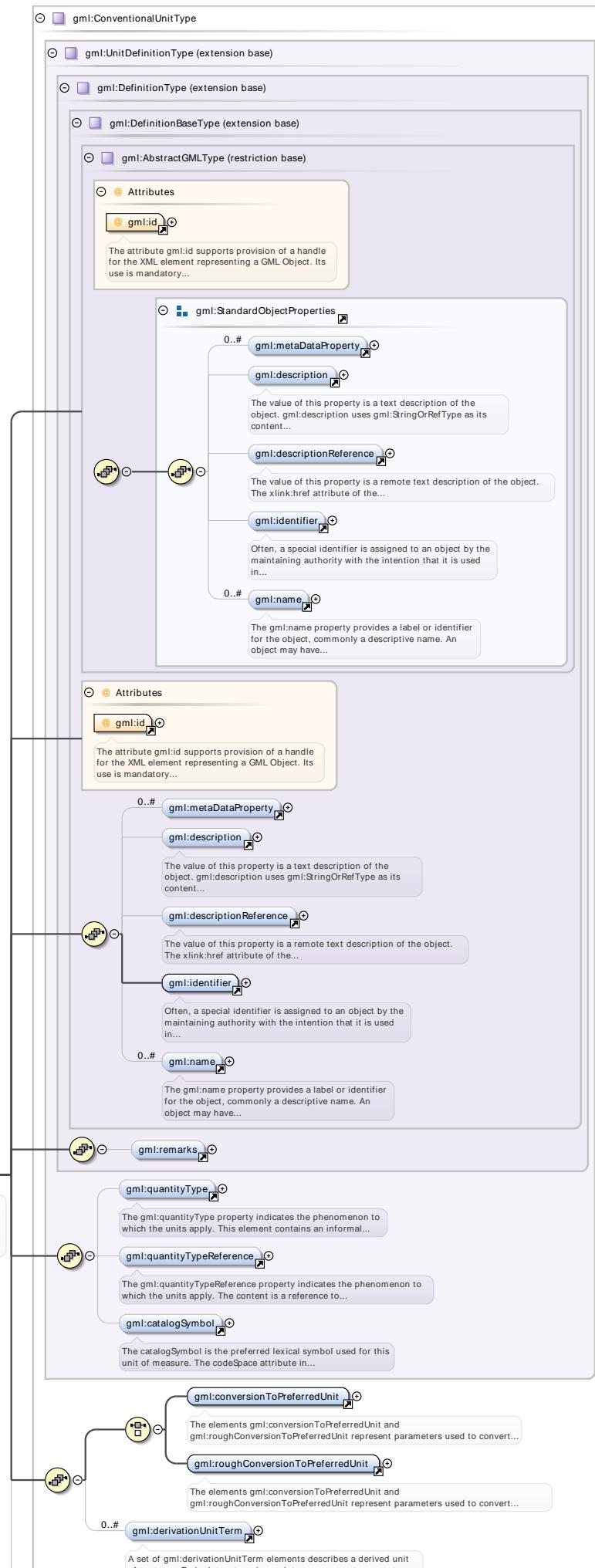
Element gml:derivationUnitTerm

Namespace	http://www.opengis.net/gml/3.2		
Annotations	A set of gml:derivationUnitTerm elements describes a derived unit of measure. Each element carries an integer exponent. The terms are combined by raising each referenced unit to the power of its exponent and forming the product. This unit term references another unit of measure (uom) and provides an integer exponent applied to that unit in defining the compound unit. The exponent may be positive or negative, but not zero.		
Diagram	<pre> classDiagram class gml:DerivationUnitTermType { <<gml:UnitOfMeasureType (extension base)>> <<Attributes>> @uom <<Attributes>> @exponent } derivationUnitTerm < -- gml:DerivationUnitTermType </pre> <p>A set of gml:derivationUnitTerm elements describes a derived unit of measure. Each element carries an integer exponent....</p>		
Type	gml:DerivationUnitTermType		
Properties	content: complex		
Attributes	QName	Type	Use
	exponent	integer	optional
	uom	gml:UomIdentifier	required

Element gml:ConventionalUnit

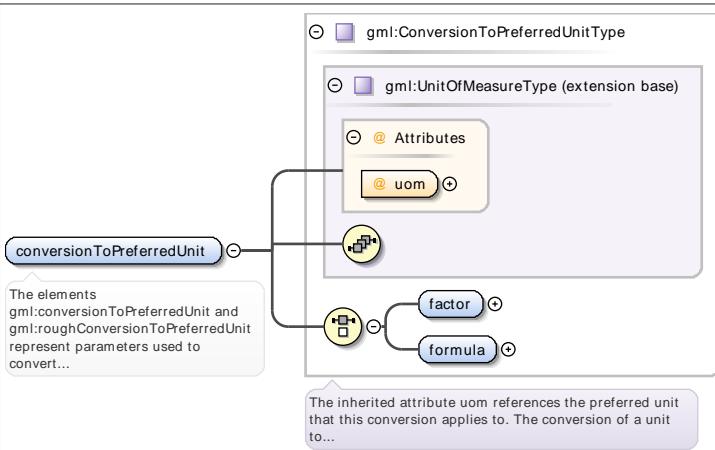
Namespace	http://www.opengis.net/gml/3.2		
Annotations	Conventional units that are neither base units nor defined by direct combination of base units are used in many application domains. For example electronVolt for energy, feet and nautical miles for length. In most cases there is a known, usually linear, conversion to a preferred unit which is either a base unit or derived by direct combination of base units. The gml:ConventionalUnit extends gml:UnitDefinition with a property that describes a conversion to a preferred unit for this physical quantity. When the conversion is exact, the element gml:conversionToPreferredUnit should be used, or when the conversion is not exact the element gml:roughConversionToPreferredUnit is available. Both of these elements have the same content model. The gml:derivationUnitTerm property defined above is included to allow a user to optionally record how this unit may be derived from other ("more primitive") units.		

Diagram

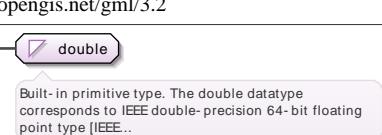


Type	gml:ConventionalUnitType		
Properties	content: complex		
Substitution Group Affiliation	• gml:UnitDefinition		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

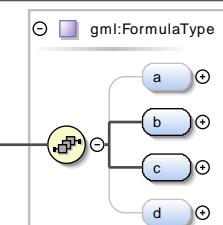
Element gml:conversionToPreferredUnit

Namespace	http://www.opengis.net/gml/3.2		
Annotations	The elements gml:conversionToPreferredUnit and gml:roughConversionToPreferredUnit represent parameters used to convert conventional units to preferred units for this physical quantity type. A preferred unit is either a Base Unit or a Derived Unit that is selected for all values of one physical quantity type.		
Diagram	 <p>The elements gml:conversionToPreferredUnit and gml:roughConversionToPreferredUnit represent parameters used to convert...</p> <p>The inherited attribute uom references the preferred unit that this conversion applies to. The conversion of a unit to...</p>		
Type	gml:ConversionToPreferredUnitType		
Properties	content: complex		
Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Element gml:ConversionToPreferredUnitType / gml:factor

Namespace	http://www.opengis.net/gml/3.2		
Diagram	 <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>		
Type	double		
Properties	content: simple		

Element gml:ConversionToPreferredUnitType / gml:formula

Namespace	http://www.opengis.net/gml/3.2		
Diagram			

Type	gml:FormulaType
Properties	content: complex

Element gml:FormulaType / gml:a

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>				
Type	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				

Element gml:FormulaType / gml:b

Namespace	http://www.opengis.net/gml/3.2		
Diagram	 <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>		
Type	double		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element gml:FormulaType / gml:c

Namespace	http://www.opengis.net/gml/3.2		
Diagram	 <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>		
Type	double		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element gml:FormulaType / gml:d

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>				
Type	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				

Element gml:roughConversionToPreferredUnit

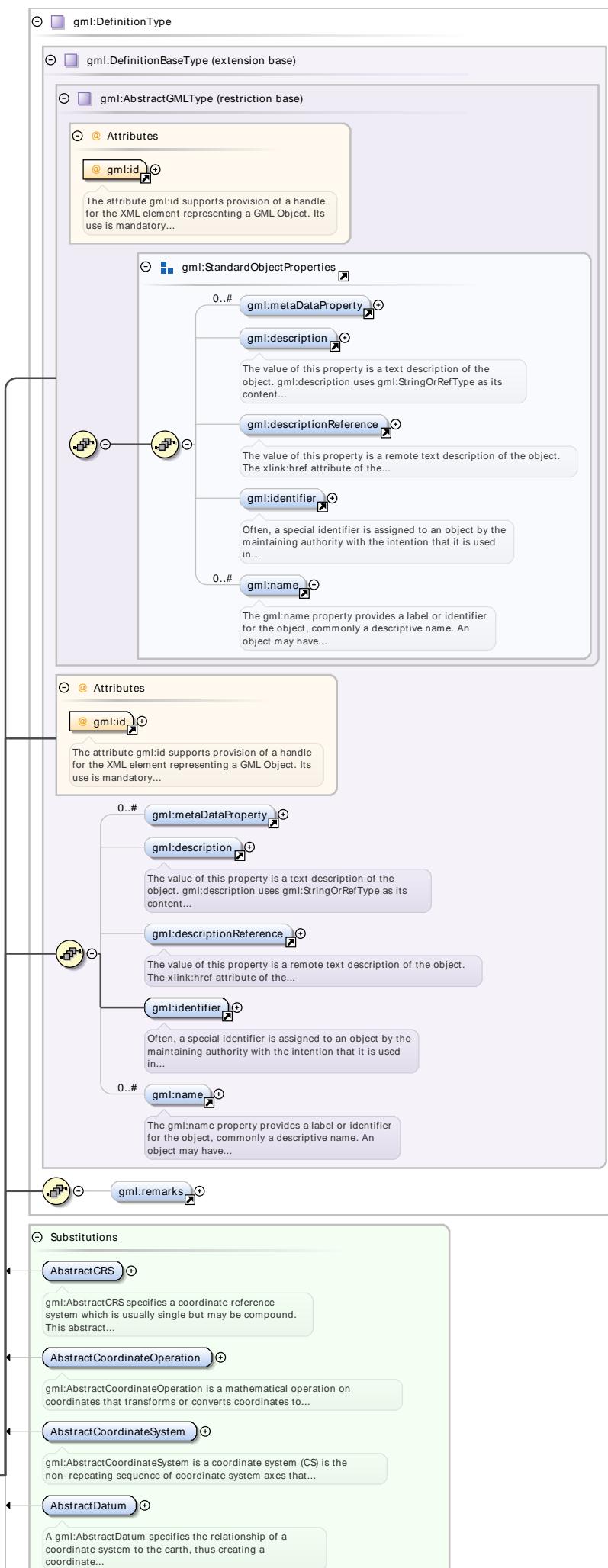
Namespace	http://www.opengis.net/gml/3.2
Annotations	The elements gml:conversionToPreferredUnit and gml:roughConversionToPreferredUnit represent parameters used to convert conventional units to preferred units for this physical quantity type. A preferred unit is either a Base Unit or a Derived Unit that is selected for all values of one physical quantity type.

Diagram									
Type	gml:ConversionToPreferredUnitType								
Properties	content: complex								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th> <th style="text-align: left; padding: 2px;">Type</th> <th style="text-align: left; padding: 2px;">Use</th> <th style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">uom</td> <td style="text-align: left; padding: 2px;">gml:UomIdentifier</td> <td style="text-align: left; padding: 2px;">required</td> <td style="text-align: left; padding: 2px;"></td> </tr> </tbody> </table>	QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use							
uom	gml:UomIdentifier	required							

Element **gml:Definition**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The basic gml:Definition element specifies a definition, which can be included in or referenced by a dictionary. The content model for a generic definition is a derivation from gml:AbstractGMLType. The gml:description property element shall hold the definition if this can be captured in a simple text string, or the gml:descriptionReference property element may carry a link to a description elsewhere. The gml:identifier element shall provide one identifier identifying this definition. The identifier shall be unique within the dictionaries using this definition. The gml:name elements shall provide zero or more terms and synonyms for which this is the definition. The gml:remarks element shall be used to hold additional textual information that is not conceptually part of the definition but is useful in understanding the definition.</p>

Diagram



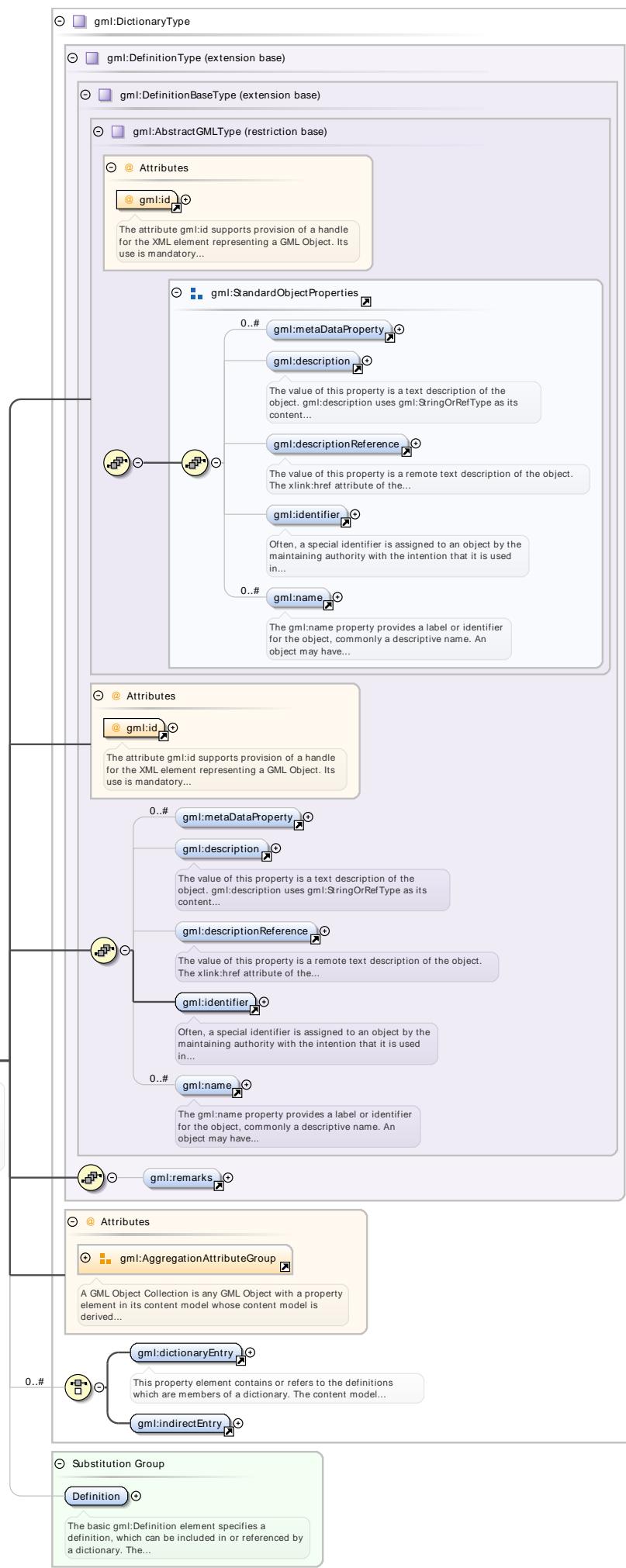
Type	gml:DefinitionType
Properties	<p>content: complex</p>
Substitution Group	<ul style="list-style-type: none"> • gml:Dictionary • gml:AbstractCRS • gml:AbstractSingleCRS • gml:AbstractGeneralDerivedCRS • gml:GeodeticCRS • gml:VerticalCRS • gml:ProjectedCRS • gml:DerivedCRS • gml:EngineeringCRS • gml:ImageCRS • gml:TemporalCRS • gml:GeographicCRS • gml:GeocentricCRS • gml:CompoundCRS • gml:TimeReferenceSystem • gml:TimeCoordinateSystem • gml:TimeCalendar • gml:TimeClock • gml:TimeOrdinalReferenceSystem • gml:DefinitionCollection • gml:DefinitionProxy • gml:CoordinateSystemAxis • gml:AbstractCoordinateSystem • gml:EllipsoidalCS • gml:CartesianCS • gml:VerticalCS • gml:TimeCS • gml:LinearCS • gml:UserDefinedCS • gml:SphericalCS • gml:PolarCS • gml:CylindricalCS • gml:AffineCS • gml:TemporalCS • gml:ObliqueCartesianCS • gml:AbstractDatum • gml:GeodeticDatum • gml:EngineeringDatum

	<ul style="list-style-type: none"> • <code>gml:ImageDatum</code> • <code>gml:VerticalDatum</code> • <code>gml:TemporalDatum</code> • <code>gml:Ellipsoid</code> • <code>gml:PrimeMeridian</code> • <code>gml:UnitDefinition</code> • <code>gml:BaseUnit</code> • <code>gml:DerivedUnit</code> • <code>gml:ConventionalUnit</code> • <code>gml:AbstractCoordinateOperation</code> • <code>gml:AbstractSingleOperation</code> • <code>gml:ConcatenatedOperation</code> • <code>gml:PassThroughOperation</code> • <code>gml:AbstractOperation</code> • <code>gml:AbstractGeneralConversion</code> • <code>gml:Conversion</code> • <code>gml:AbstractGeneralTransformation</code> • <code>gml:Transformation</code> • <code>gml:OperationMethod</code> • <code>gml:AbstractGeneralOperationParameter</code> • <code>gml:OperationParameter</code> • <code>gml:OperationParameterGroup</code> 									
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGML</code> 									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
<code>gml:id</code>	ID	required								
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

Element `gml:Dictionary`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>Sets of definitions may be collected into dictionaries or collections. A <code>gml:Dictionary</code> is a non-abstract collection of definitions. The <code>gml:Dictionary</code> content model adds a list of <code>gml:dictionaryEntry</code> properties that contain or reference <code>gml:Definition</code> objects. A database handle (<code>gml:id</code> attribute) is required, in order that this collection may be referred to. The standard <code>gml:identifier</code>, <code>gml:description</code>, <code>gml:descriptionReference</code> and <code>gml:name</code> properties are available to reference or contain more information about this dictionary. The <code>gml:description</code> and <code>gml:descriptionReference</code> property elements may be used for a description of this dictionary. The derived <code>gml:name</code> element may be used for the name(s) of this dictionary. for remote definiton references <code>gml:dictionaryEntry</code> shall be used. If a <code>Definition</code> object contained within a <code>Dictionary</code> uses the <code>descriptionReference</code> property to refer to a remote definition, then this enables the inclusion of a remote definition in a local dictionary, giving a handle and identifier in the context of the local dictionary.</p>

Diagram



Type	gml:DictionaryType		
Properties	content: complex		
Substitution Group Affiliation	• gml:Definition		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:dictionaryEntry

Namespace	http://www.opengis.net/gml/3.2			
Annotations	This property element contains or refers to the definitions which are members of a dictionary. The content model follows the standard GML property pattern, so a gml:dictionaryEntry may either contain or refer to a single gml:Definition. Since gml:Dictionary is substitutable for gml:Definition, the content of an entry may itself be a lower level dictionary. Note that if the value is provided by reference, this definition does not carry a handle (gml:id) in this context, so does not allow external references to this specific definition in this context. When used in this way the referenced definition will usually be in a dictionary in the same XML document.			
Diagram	<pre> classDiagram class gmlDictionaryEntryType { <<gml:DictionaryEntryType>> <<gml:AbstractMemberType (extension base)>> <<Attributes>> <<gml:OwnershipAttributeGroup>> <<Attributes>> <<gml:AssociationAttributeGroup>> <<gml:Definition>> <<Substitutions>> <<definitionMember>> } </pre>			
Type	gml:DictionaryEntryType			
Properties	content: complex			
Substitution Group	• gml:definitionMember			
Attributes	QName	Type	Fixed	
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	owns	boolean	false	optional
	xlink:actuate	xlink:actuateType		optional

QName	Type	Fixed	Default	Use
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

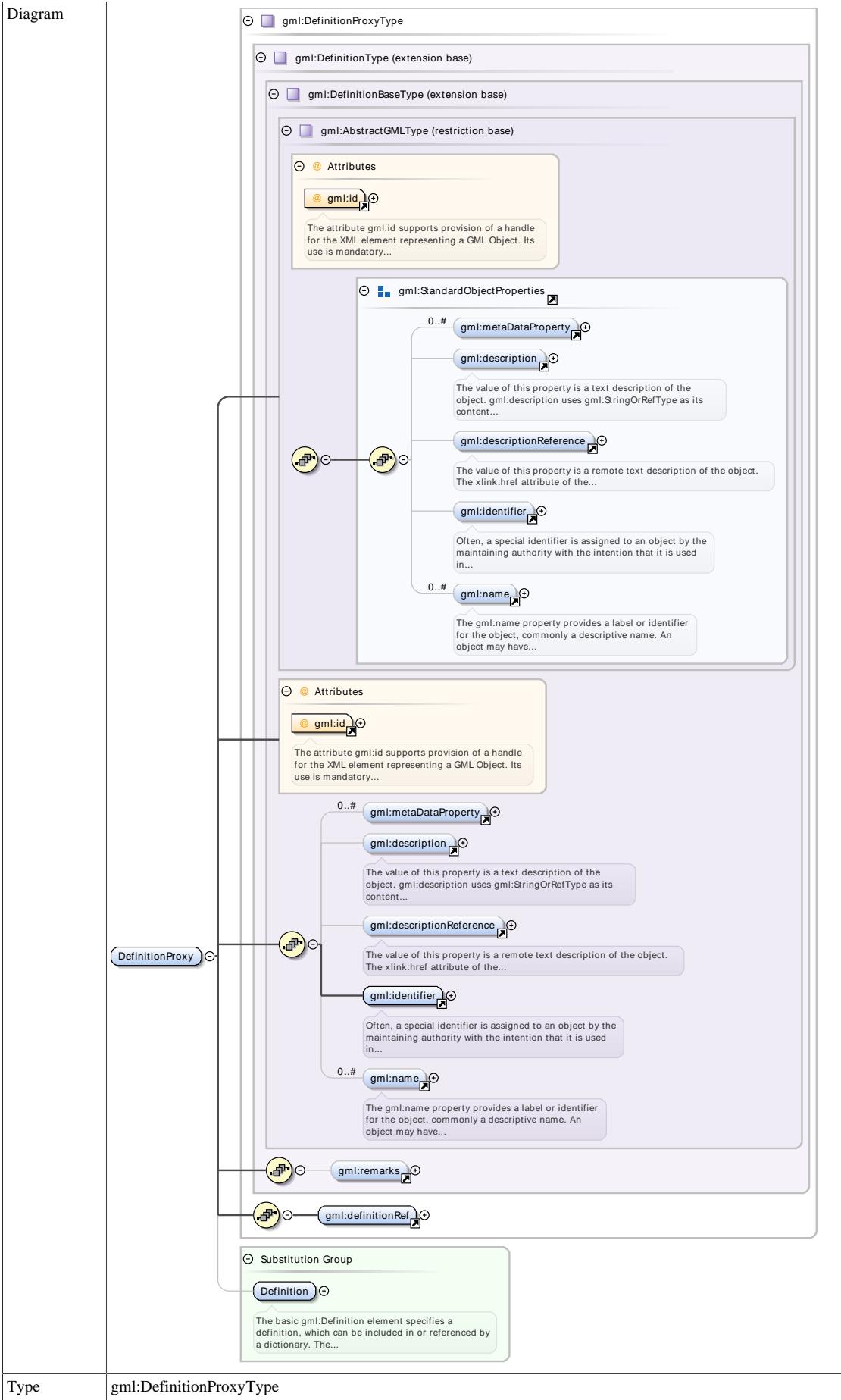
Element **gml:indirectEntry**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram class gml:IndirectEntryType class indirectEntry class gml:DefinitionProxy gml:IndirectEntryType < -- indirectEntry gml:IndirectEntryType < -- gml:DefinitionProxy indirectEntry < --> gml:DefinitionProxy </pre>
Type	gml:IndirectEntryType
Properties	content: complex

Element **gml:DefinitionProxy**

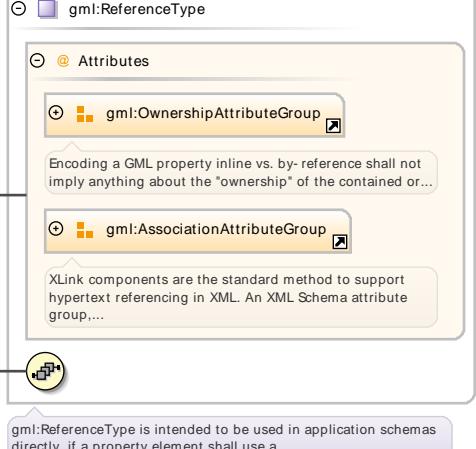
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Properties	content: complex		
Substitution Group Affiliation	• gml:Definition		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:definitionRef**

Namespace	http://www.opengis.net/gml/3.2				
Diagram					
Type	gml:ReferenceType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element **gml:AbstractObject**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	This element has no type defined, and is therefore implicitly (according to the rules of W3C XML Schema) an XML Schema anyType. It is used as the head of an XML Schema substitution group which unifies complex content and certain simple content elements used for datatypes in GML, including the gml:AbstractGML substitution group.				

Diagram



Properties

abstract: true

Substitution Group

- gml:AbstractGML
- gml:AbstractTimeSlice
- gml:MovingObjectStatus
- gml:AbstractTopology
- gml:AbstractTopoPrimitive

- `gml:Node`
- `gml:Edge`
- `gml:Face`
- `gml:TopoSolid`
- `gml:TopoComplex`
- `gml:DataBlock`
- `gml:File`
- `gml:coverageFunction`
- `gml:CoverageMappingRule`
- `gml:GridFunction`
- `gml:AbstractGeometry`
- `gml:AbstractGeometricPrimitive`
- `gml:Point`
- `gml:AbstractCurve`
- `gml:LineString`
- `gml:AbstractGeometricAggregate`
- `gml:MultiGeometry`
- `gml:MultiPoint`
- `gml:MultiCurve`
- `gml:MultiSurface`
- `gml:MultiSolid`
- `gml:Envelope`
- `gml:AbstractTimeObject`
- `gml:AbstractTimePrimitive`
- `gml:AbstractTimeComplex`
- `gml:AbstractTimeGeometricPrimitive`
- `gml:TimeInstant`
- `gml:TimePeriod`
- `gml:Definition`
- `gml:Dictionary`
- `gml:AbstractCRS`
- `gml:AbstractSingleCRS`
- `gml:AbstractGeneralDerivedCRS`
- `gml:GeodeticCRS`
- `gml:VerticalCRS`
- `gml:ProjectedCRS`
- `gml:DerivedCRS`
- `gml:EngineeringCRS`
- `gml:ImageCRS`
- `gml:TemporalCRS`

- `gml:GeographicCRS`
- `gml:GeocentricCRS`
- `gml:CompoundCRS`
- `gml:TimeReferenceSystem`
- `gml:TimeCoordinateSystem`
- `gml:TimeCalendar`
- `gml:TimeClock`
- `gml:TimeOrdinalReferenceSystem`
- `gml:Bag`
- `gml:Array`
- `gml:AbstractMetaData`
- `gml:GenericMetaData`
- `gml:DefinitionCollection`
- `gml:DefinitionProxy`
- `gml:AbstractFeature`
- `gml:AbstractFeatureCollection`
- `gml:FeatureCollection`
- `gml:DynamicFeature`
- `gml:DynamicFeatureCollection`
- `gml:AbstractCoverage`
- `gml:AbstractDiscreteCoverage`
- `gml:MultiPointCoverage`
- `gml:MultiCurveCoverage`
- `gml:MultiSurfaceCoverage`
- `gml:MultiSolidCoverage`
- `gml:GridCoverage`
- `gml:RectifiedGridCoverage`
- `gml:AbstractContinuousCoverage`
- `gml:Observation`
- `gml:DirectedObservation`
- `gml:DirectedObservationAtDistance`
- `gml:EnvelopeWithTimePeriod`
- `gml:GeometricComplex`
- `gml:CompositeCurve`
- `gml:AbstractValue`
- `gml:Boolean`
- `gml:Category`
- `gml:Count`
- `gml:Quantity`
- `gml:AbstractScalarValue`

- `gml:BooleanList`
- `gml:CategoryList`
- `gml:CountList`
- `gml:QuantityList`
- `gml:AbstractScalarValueList`
- `gml:CompositeValue`
- `gml:ValueArray`
- `gml:CategoryExtent`
- `gml:CountExtent`
- `gml:QuantityExtent`
- `gml:Grid`
- `gml:AbstractImplicitGeometry`
- `gml:RectifiedGrid`
- `gml:CoordinateSystemAxis`
- `gml:AbstractCoordinateSystem`
- `gml:EllipsoidalCS`
- `gml:CartesianCS`
- `gml:VerticalCS`
- `gml:TimeCS`
- `gml:LinearCS`
- `gml:UserDefinedCS`
- `gml:SphericalCS`
- `gml:PolarCS`
- `gml:CylindricalCS`
- `gml:AffineCS`
- `gml:TemporalCS`
- `gml:ObliqueCartesianCS`
- `gml:AbstractDatum`
- `gml:GeodeticDatum`
- `gml:EngineeringDatum`
- `gml:ImageDatum`
- `gml:VerticalDatum`
- `gml:TemporalDatum`
- `gml:Ellipsoid`
- `gml:PrimeMeridian`
- `gml:UnitDefinition`
- `gml:BaseUnit`
- `gml:DerivedUnit`
- `gml:ConventionalUnit`
- `gml:AbstractCoordinateOperation`

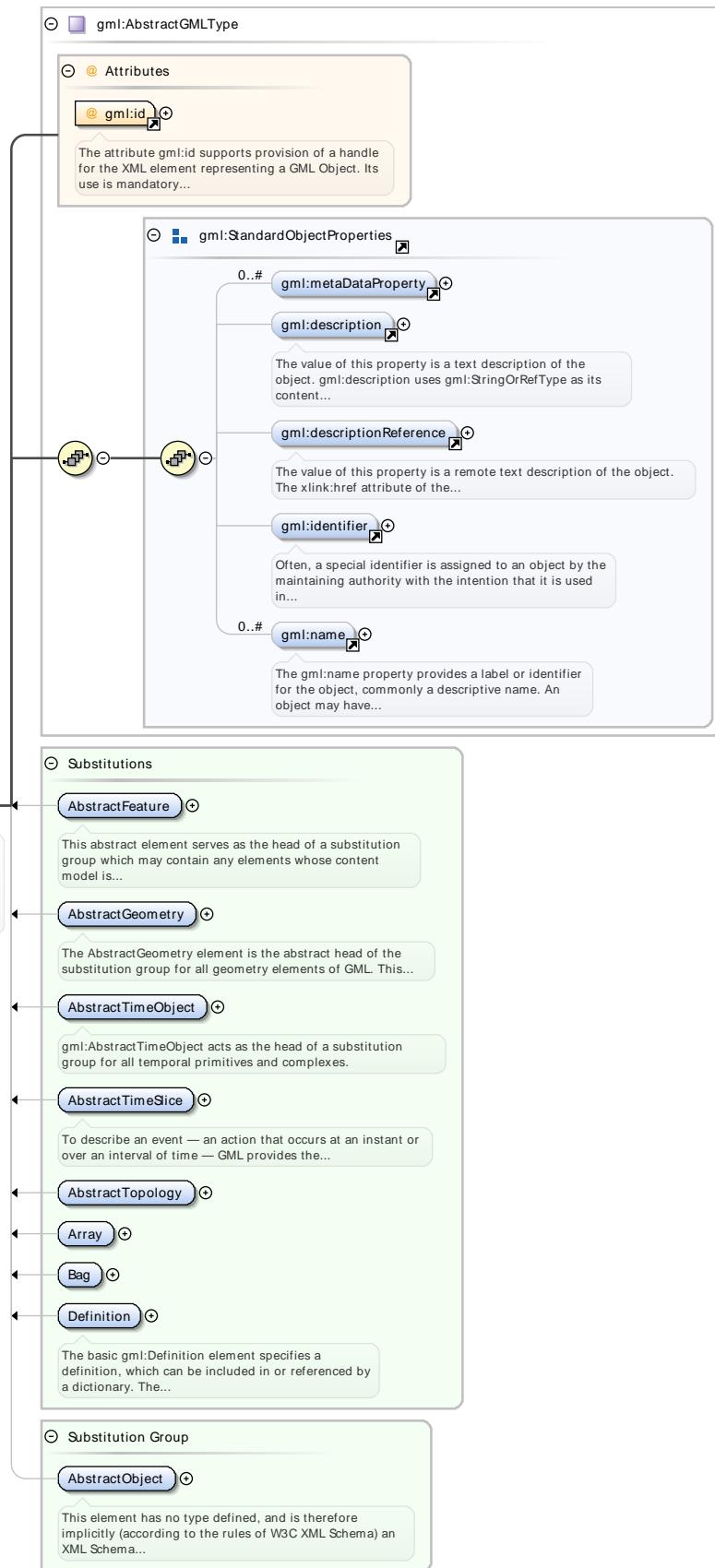
- `gml:AbstractSingleOperation`
- `gml:ConcatenatedOperation`
- `gml:PassThroughOperation`
- `gml:AbstractOperation`
- `gml:AbstractGeneralConversion`
- `gml:Conversion`
- `gml:AbstractGeneralTransformation`
- `gml:Transformation`
- `gml:AbstractGeneralParameterValue`
- `gml:ParameterValue`
- `gml:ParameterValueGroup`
- `gml:OperationMethod`
- `gml:AbstractGeneralOperationParameter`
- `gml:OperationParameter`
- `gml:OperationParameterGroup`
- `gml:AbstractTimeTopologyPrimitive`
- `gml:TimeNode`
- `gml:TimeEdge`
- `gml:TimeTopologyComplex`
- `gml:Curve`
- `gml:OrientableCurve`
- `gml:AbstractCurveSegment`
- `gml:LineStringSegment`
- `gml:ArcString`
- `gml:Arc`
- `gml:Circle`
- `gml:ArcStringByBulge`
- `gml:ArcByBulge`
- `gml:ArcByCenterPoint`
- `gml:CircleByCenterPoint`
- `gml:CubicSpline`
- `gml:BSpline`
- `gml:Bezier`
- `gml:OffsetCurve`
- `gml:Clothoid`
- `gml:GeodesicString`
- `gml:Geodesic`
- `gml:AffinePlacement`
- `gml:AbstractSolid`
- `gml:Solid`

- `gml:CompositeSolid`
- `gml:Shell`
- `gml:AbstractSurface`
- `gml:Polygon`
- `gml:CompositeSurface`
- `gml:Surface`
- `gml:PolyhedralSurface`
- `gml:TriangulatedSurface`
- `gml:Tin`
- `gml:OrientableSurface`
- `gml:AbstractRing`
- `gml:LinearRing`
- `gml:Ring`

Element `gml:AbstractGML`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The abstract element <code>gml:AbstractGML</code> is "any GML object having identity". It acts as the head of an XML Schema substitution group, which may include any element which is a GML feature, or other object, with identity. This is used as a variable in content models in GML core and application schemas. It is effectively an abstract superclass for all GML objects.

Diagram



Type	gml:AbstractGMLType
------	---------------------

Properties	content: complex
	abstract: true

Substitution Group	<ul style="list-style-type: none"> • <code>gml:AbstractTimeSlice</code> • <code>gml:MovingObjectStatus</code> • <code>gml:AbstractTopology</code> • <code>gml:AbstractTopoPrimitive</code> • <code>gml:Node</code> • <code>gml:Edge</code> • <code>gml:Face</code> • <code>gml:TopoSolid</code> • <code>gml:TopoComplex</code> • <code>gml:AbstractGeometry</code> • <code>gml:AbstractGeometricPrimitive</code> • <code>gml:Point</code> • <code>gml:AbstractCurve</code> • <code>gml:LineString</code> • <code>gml:AbstractGeometricAggregate</code> • <code>gml:MultiGeometry</code> • <code>gml:MultiPoint</code> • <code>gml:MultiCurve</code> • <code>gml:MultiSurface</code> • <code>gml:MultiSolid</code> • <code>gml:AbstractTimeObject</code> • <code>gml:AbstractTimePrimitive</code> • <code>gml:AbstractTimeComplex</code> • <code>gml:AbstractTimeGeometricPrimitive</code> • <code>gml:TimeInstant</code> • <code>gml:TimePeriod</code> • <code>gml:Definition</code> • <code>gml:Dictionary</code> • <code>gml:AbstractCRS</code> • <code>gml:AbstractSingleCRS</code> • <code>gml:AbstractGeneralDerivedCRS</code> • <code>gml:GeodeticCRS</code> • <code>gml:VerticalCRS</code> • <code>gml:ProjectedCRS</code> • <code>gml:DerivedCRS</code> • <code>gml:EngineeringCRS</code> • <code>gml:ImageCRS</code> • <code>gml:TemporalCRS</code> • <code>gml:GeographicCRS</code>
--------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- `gml:GeocentricCRS`
- `gml:CompoundCRS`
- `gml:TimeReferenceSystem`
- `gml:TimeCoordinateSystem`
- `gml:TimeCalendar`
- `gml:TimeClock`
- `gml:TimeOrdinalReferenceSystem`
- `gml:Bag`
- `gml:Array`
- `gml:DefinitionCollection`
- `gml:DefinitionProxy`
- `gml:AbstractFeature`
- `gml:AbstractFeatureCollection`
- `gml:FeatureCollection`
- `gml:DynamicFeature`
- `gml:DynamicFeatureCollection`
- `gml:AbstractCoverage`
- `gml:AbstractDiscreteCoverage`
- `gml:MultiPointCoverage`
- `gml:MultiCurveCoverage`
- `gml:MultiSurfaceCoverage`
- `gml:MultiSolidCoverage`
- `gml:GridCoverage`
- `gml:RectifiedGridCoverage`
- `gml:AbstractContinuousCoverage`
- `gml:Observation`
- `gml:DirectedObservation`
- `gml:DirectedObservationAtDistance`
- `gml:GeometricComplex`
- `gml:CompositeCurve`
- `gml:Grid`
- `gml:AbstractImplicitGeometry`
- `gml:RectifiedGrid`
- `gml:CoordinateSystemAxis`
- `gml:AbstractCoordinateSystem`
- `gml:EllipsoidalCS`
- `gml:CartesianCS`
- `gml:VerticalCS`
- `gml:TimeCS`
- `gml:LinearCS`

- `gml:UserDefinedCS`
- `gml:SphericalCS`
- `gml:PolarCS`
- `gml:CylindricalCS`
- `gml:AffineCS`
- `gml:TemporalCS`
- `gml:ObliqueCartesianCS`
- `gml:AbstractDatum`
- `gml:GeodeticDatum`
- `gml:EngineeringDatum`
- `gml:ImageDatum`
- `gml:VerticalDatum`
- `gml:TemporalDatum`
- `gml:Ellipsoid`
- `gml:PrimeMeridian`
- `gml:UnitDefinition`
- `gml:BaseUnit`
- `gml:DerivedUnit`
- `gml:ConventionalUnit`
- `gml:AbstractCoordinateOperation`
- `gml:AbstractSingleOperation`
- `gml:ConcatenatedOperation`
- `gml:PassThroughOperation`
- `gml:AbstractOperation`
- `gml:AbstractGeneralConversion`
- `gml:Conversion`
- `gml:AbstractGeneralTransformation`
- `gml:Transformation`
- `gml:OperationMethod`
- `gml:AbstractGeneralOperationParameter`
- `gml:OperationParameter`
- `gml:OperationParameterGroup`
- `gml:AbstractTimeTopologyPrimitive`
- `gml:TimeNode`
- `gml:TimeEdge`
- `gml:TimeTopologyComplex`
- `gml:Curve`
- `gml:OrientableCurve`
- `gml:AbstractSolid`
- `gml:Solid`

	<ul style="list-style-type: none"> • <code>gml:CompositeSolid</code> • <code>gml:AbstractSurface</code> • <code>gml:Polygon</code> • <code>gml:CompositeSurface</code> • <code>gml:Surface</code> • <code>gml:PolyhedralSurface</code> • <code>gml:TriangulatedSurface</code> • <code>gml:Tin</code> • <code>gml:OrientableSurface</code> 								
Substitution Group Affiliation	• <code>gml:AbstractObject</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td><td></td></tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use		<code>gml:id</code>	ID	required	
QName	Type	Use							
<code>gml:id</code>	ID	required							

Element `gml:abstractAssociationRole`

Namespace	http://www.opengis.net/gml/3.2																																																		
Annotations	<p>Applying this pattern shall restrict the multiplicity of objects in a property element using this content model to exactly one. An instance of this type shall contain an element representing an object, or serve as a pointer to a remote object. Applying the pattern to define an application schema specific property type allows to restrict - the inline object to specified object types, - the encoding to "by-reference only" (see 7.2.3.7), - the encoding to "inline only" (see 7.2.3.8).</p>																																																		
Diagram																																																			
Type	<code>gml:AssociationRoleType</code>																																																		
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																																																		
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:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
QName	Type	Fixed	Default	Use																																															
<code>gml:remoteSchema</code>	anyURI			optional																																															
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																															
<code>owns</code>	boolean		false	optional																																															
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																															
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																															
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																															
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																															
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																															
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																															

QName	Type	Fixed	Default	Use
xlink:type	xlink:typeType	simple		optional

Element **gml:abstractStrictAssociationRole**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	This element shows how an element declaration may include a Schematron constraint to limit the property to act in either inline or by-reference mode, but not both.																																																							
Diagram	<p>The diagram illustrates the UML class <code>gml:AssociationRoleType</code>. It contains an attribute group <code>gml:OwnershipAttributeGroup</code> and another attribute group <code>gml:AssociationAttributeGroup</code>. The <code>abstractStrictAssociationRole</code> element is shown as a constraint on the attribute group <code>gml:OwnershipAttributeGroup</code>. A callout box provides the following text: "This element shows how an element declaration may include a Schematron constraint to limit the property to act in..."</p>																																																							
Type	<code>gml:AssociationRoleType</code>																																																							
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																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:abstractReference**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:abstractReference may be used as the head of a substitution group of more specific elements providing a value by-reference.

Diagram	<p>The diagram shows the structure of gml:ReferenceType. It includes attributes for gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the 'ownership' of the contained or..."</p>																																																							
Type	gml:ReferenceType																																																							
Properties	<p>content: complex</p> <p>abstract: true</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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:abstractInlineProperty

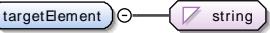
Namespace	http://www.opengis.net/gml/3.2								
Annotations	gml:abstractInlineProperty may be used as the head of a substitution group of more specific elements providing a value inline.								
Diagram	<p>The diagram shows the structure of gml:InlinePropertyType. It includes attributes for gml:OwnershipAttributeGroup and a note: "Encoding a GML property inline vs. by- reference shall not imply anything about the 'ownership' of the contained or...". It also shows a relationship to anyType.</p>								
Type	gml:InlinePropertyType								
Properties	<p>content: complex</p> <p>abstract: true</p>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element gml:reversePropertyName

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	If the value of an object property is another object and that object contains also a property for the association between the two objects, then this name of the reverse property may be encoded in a <code>gml:reversePropertyName</code> element in an <code>appinfo</code> annotation of the property element to document the constraint between the two properties. The value of the element shall contain the qualified name of the property element.
Diagram	 If the value of an object property is another object and that object contains also a property for the association... Built-in primitive type. The string datatype represents character strings in XML.
Type	string
Properties	content: simple

Element `gml:targetElement`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 Built-in primitive type. The string datatype represents character strings in XML.
Type	string
Properties	content: simple

Element `gml:associationName`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 Built-in primitive type. The string datatype represents character strings in XML.
Type	string
Properties	content: simple

Element `gml:defaultCodeSpace`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).
Type	anyURI
Properties	content: simple

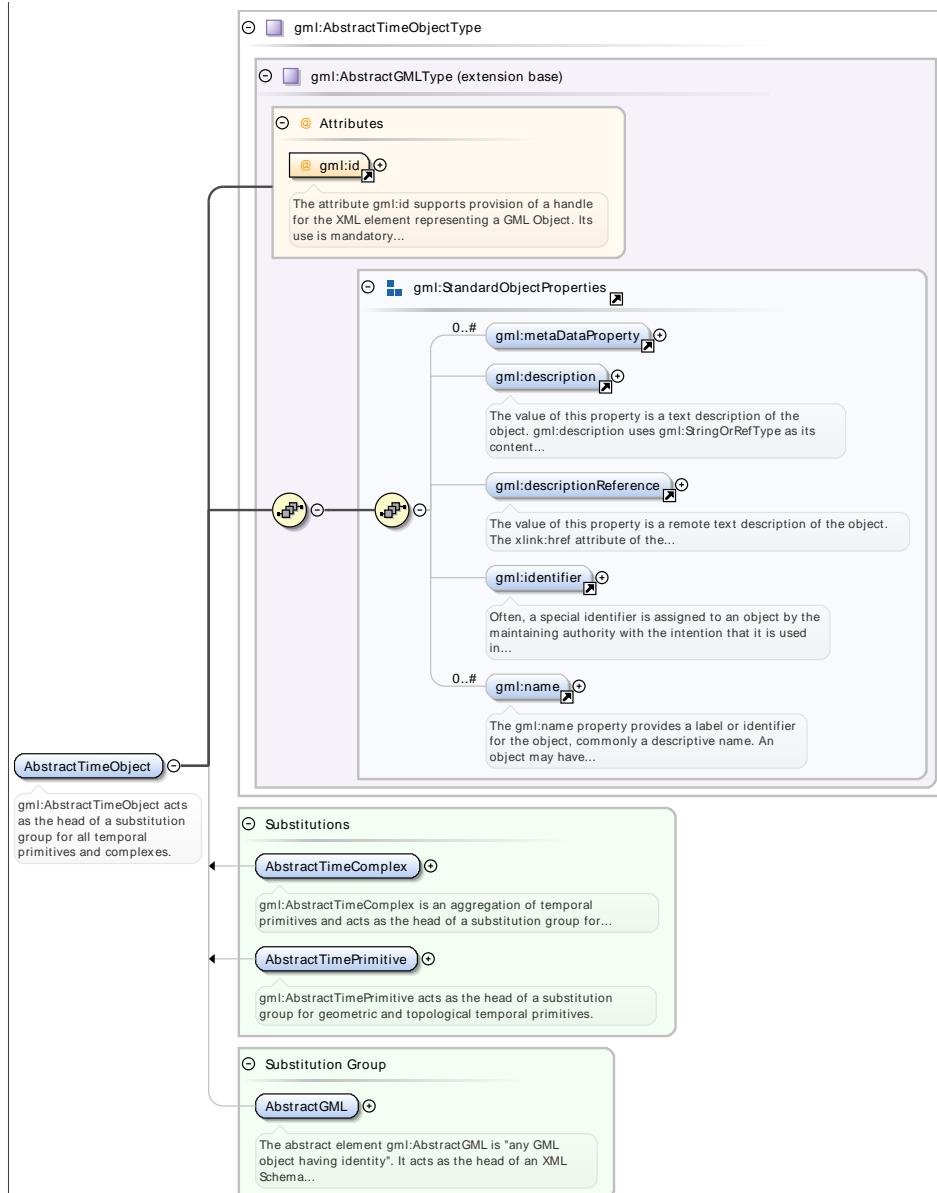
Element `gml:gmlProfileSchema`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).
Type	anyURI
Properties	content: simple

Element `gml:AbstractTimeObject`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:AbstractTimeObject</code> acts as the head of a substitution group for all temporal primitives and complexes.

Diagram



Type	<code>gml:AbstractTimeObjectType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> <code>gml:AbstractTimePrimitive</code> <code>gml:AbstractTimeComplex</code> <code>gml:AbstractTimeGeometricPrimitive</code> <code>gml:TimeInstant</code> <code>gml:TimePeriod</code> <code>gml:AbstractTimeTopologyPrimitive</code> <code>gml:TimeNode</code> <code>gml:TimeEdge</code> <code>gml:TimeTopologyComplex</code>
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractGML</code>

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:AbstractTimeComplex

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:AbstractTimeComplex is an aggregation of temporal primitives and acts as the head of a substitution group for temporal complexes.		
Diagram	<p>The diagram illustrates the UML class structure for gml:AbstractTimeComplex. The class gml:AbstractTimeComplexType is defined as an aggregation of temporal primitives. It includes attributes for metadata (gml:metaDataProperty, gml:description, gml:descriptionReference, gml:identifier, gml:name) and a substitution group for temporal primitives (gml:AbstractTimeObject). The class is also associated with gml:TimeTopologyComplex.</p>		
Type	gml:AbstractTimeComplexType		
Properties	content:	complex	
	abstract:	true	
Substitution Group	<ul style="list-style-type: none"> gml:TimeTopologyComplex 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractTimeObject 		
Attributes	QName	Type	Use
	gml:id	ID	required

QName	Type	Use
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element **gml:AbstractTimeGeometricPrimitive**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>gml:TimeGeometricPrimitive acts as the head of a substitution group for geometric temporal primitives. A temporal geometry shall be associated with a temporal reference system through the frame attribute that provides a URI reference that identifies a description of the reference system. Following ISO 19108, the Gregorian calendar with UTC is the default reference system, but others may also be used. The GPS calendar is an alternative reference systems in common use. The two geometric primitives in the temporal dimension are the instant and the period. GML components are defined to support these as follows.</p>				
Diagram					
Type	gml:AbstractTimeGeometricPrimitiveType				
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				
Substitution Group	<ul style="list-style-type: none"> • gml:TimeInstant 				

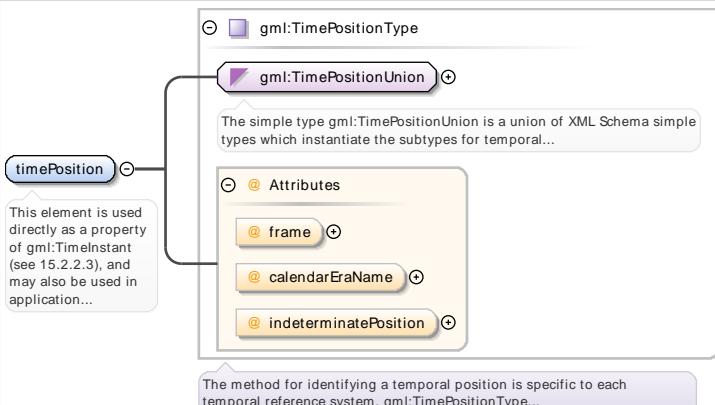
	<ul style="list-style-type: none"> • gml:TimePeriod • gml:AbstractTimePrimitive 												
Substitution Group Affiliation													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>frame</td> <td>anyURI</td> <td>#ISO-8601</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td></td> <td>required</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Default	Use	frame	anyURI	#ISO-8601	optional	gml:id	ID		required
QName	Type	Default	Use										
frame	anyURI	#ISO-8601	optional										
gml:id	ID		required										

Element gml:TimeInstant

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:TimeInstant acts as a zero-dimensional geometric primitive that represents an identifiable position in time.
Diagram	<p>The diagram illustrates the UML class structure for gml:TimeInstant. It is an extension of gml:AbstractTimeGeometricPrimitiveType, which itself is an extension of gml:AbstractTimePrimitiveType. The class has the following associations:</p> <ul style="list-style-type: none"> gml:metaDataProperty (multiplicity 0..#) gml:description (multiplicity 0..#) gml:descriptionReference (multiplicity 0..#) gml:identifier (multiplicity 0..#) gml:name (multiplicity 0..#) relatedTime (multiplicity 0..#) gml:timePosition (multiplicity 0..#) <p>It also defines the following attributes:</p> <ul style="list-style-type: none"> frame (anyURI, optional) <p>The class is part of a substitution group for AbstractTimeGeometricPrimitive.</p>
Type	gml:TimeInstantType

Properties	content: complex				
Substitution Group Affiliation	• <code>gml:AbstractTimeGeometricPrimitive</code>				
Attributes	QName	Type	Default	Use	
	<code>frame</code>	anyURI	#ISO-8601	optional	
	<code>gml:id</code>	ID		required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.				

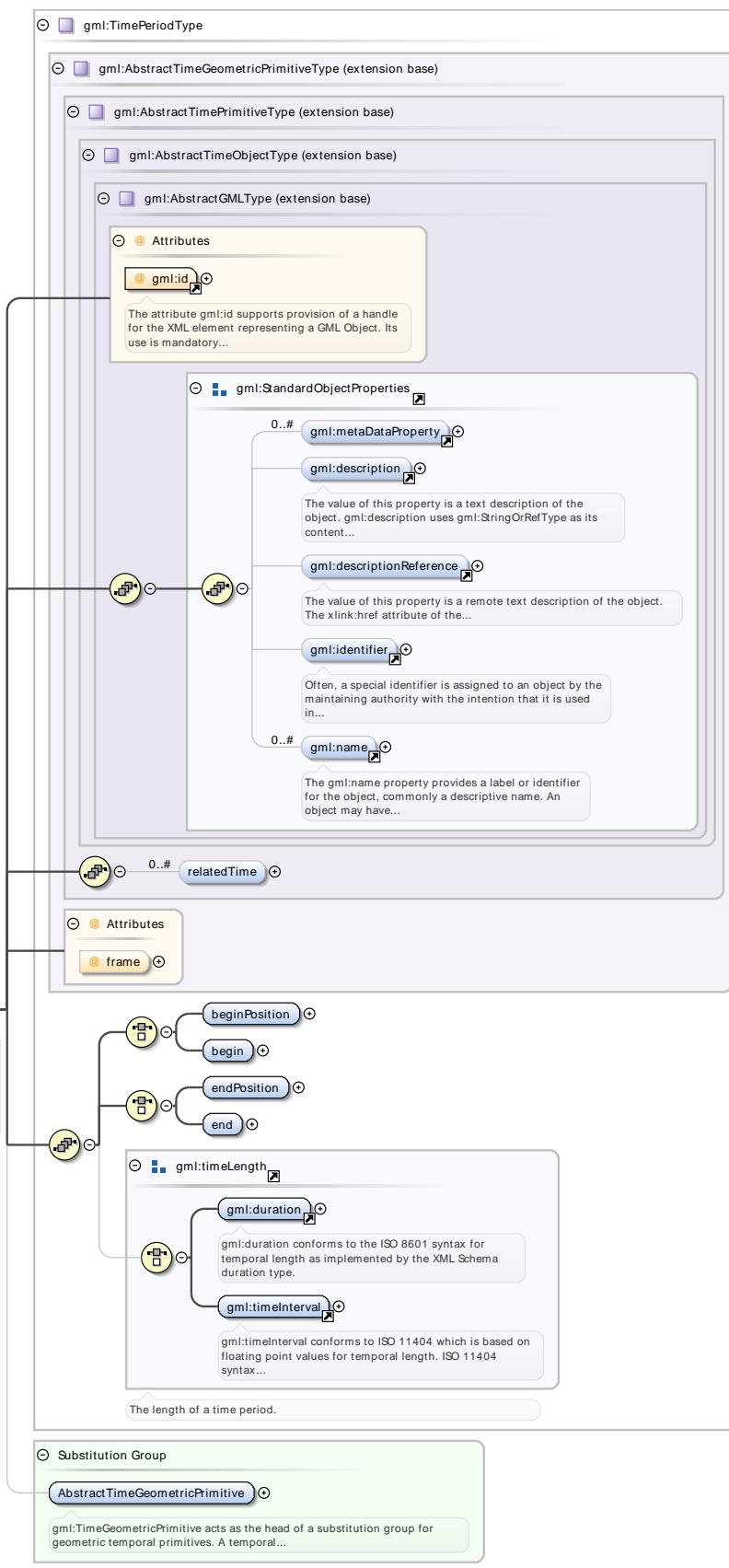
Element `gml:timePosition`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	This element is used directly as a property of <code>gml:TimeInstant</code> (see 15.2.2.3), and may also be used in application schemas.				
Diagram	 <p>The diagram illustrates the structure of the <code>gml:TimePositionUnion</code> type. It is a union of XML Schema simple types, specifically <code>gml:TimePositionType</code>, <code>gml:TimePositionUnion</code>, and <code>gml:TimeIndeterminateValue</code>. The <code>gml:TimePositionUnion</code> type is shown as a box containing three attributes: <code>frame</code> (anyURI), <code>calendarEraName</code> (string), and <code>indeterminatePosition</code> (<code>gml:TimeIndeterminateValueType</code>). A callout from the <code>timePosition</code> element points to this union type, indicating that it is used directly as a property of <code>gml:TimeInstant</code> and may also be used in application schemas.</p>				
Type	<code>gml:TimePositionType</code>				
Properties	content: complex				
Attributes	QName	Type	Default	Use	
	<code>calendarEraName</code>	string		optional	
	<code>frame</code>	anyURI	#ISO-8601	optional	
	<code>indeterminatePosition</code>	<code>gml:TimeIndeterminateValueType</code>		optional	

Element `gml:TimePeriod`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p><code>gml:TimePeriod</code> acts as a one-dimensional geometric primitive that represents an identifiable extent in time. The location in of a <code>gml:TimePeriod</code> is described by the temporal positions of the instants at which it begins and ends. The length of the period is equal to the temporal distance between the two bounding temporal positions. Both beginning and end may be described in terms of their direct position using <code>gml:TimePositionType</code> which is an XML Schema simple content type, or by reference to an identifiable time instant using <code>gml:TimeInstantPropertyType</code>. Alternatively a limit of a <code>gml:TimePeriod</code> may use the conventional GML property model to make a reference to a time instant described elsewhere, or a limit may be indicated as a direct position.</p>				

Diagram



Type	<code>gml:TimePeriodType</code>
------	---------------------------------

Properties	content: complex
------------	------------------

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractTimeGeometricPrimitive</code> 				
Attributes	QName	Type	Default	Use	
	<code>frame</code>	<code>anyURI</code>	<code>#ISO-8601</code>	optional	
	<code>gml:id</code>	<code>ID</code>		required	
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>				

Element `gml:TimePeriodType` / `gml:beginPosition`

Namespace	<code>http://www.opengis.net/gml/3.2</code>				
Diagram	<p>The diagram illustrates the structure of <code>gml:TimePositionType</code>. It is a union type (<code>gml:TimePositionUnion</code>) containing attributes: <code>frame</code>, <code>calendarEraName</code>, and <code>indeterminatePosition</code>. A note states: "The method for identifying a temporal position is specific to each temporal reference system. <code>gml:TimePositionType</code>..."</p>				
Type	<code>gml:TimePositionType</code>				
Properties	content: complex				
Attributes	QName	Type	Default	Use	
	<code>calendarEraName</code>	<code>string</code>		optional	
	<code>frame</code>	<code>anyURI</code>	<code>#ISO-8601</code>	optional	
	<code>indeterminatePosition</code>	<code>gml:TimeIndeterminateValueType</code>		optional	

Element `gml:TimePeriodType` / `gml:begin`

Namespace	<code>http://www.opengis.net/gml/3.2</code>				
Diagram	<p>The diagram illustrates the structure of <code>gml:TimeInstantPropertyType</code>. It contains attributes: <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." Another note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..." The <code>begin</code> element is associated with <code>gml:TimelInstant</code>. A note states: "gml:TimelInstant acts as a zero-dimensional geometric primitive that represents an identifiable position in time." A note at the bottom states: "gml:TimelInstantPropertyType provides for associating a gml:TimelInstant with an object."</p>				
Type	<code>gml:TimeInstantPropertyType</code>				
Properties	content: complex				
Attributes	QName	Type	Default	Use	
	<code>calendarEraName</code>	<code>string</code>		optional	
	<code>frame</code>	<code>anyURI</code>	<code>#ISO-8601</code>	optional	
	<code>indeterminatePosition</code>	<code>gml:TimeIndeterminateValueType</code>		optional	

Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element **gml:TimePeriodType / gml:endPosition**

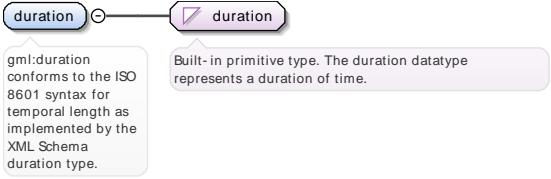
Namespace	http://www.opengis.net/gml/3.2																
Diagram	<p>The diagram illustrates the structure of gml:TimePositionType. It includes an endPosition element, a gml:TimePositionUnion element, and a group of attributes: frame, calendarEraName, and indeterminatePosition. A note states: "The method for identifying a temporal position is specific to each temporal reference system. gml:TimePositionType..."</p>																
Type	gml:TimePositionType																
Properties	content: complex																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>calendarEraName</td> <td>string</td> <td></td> <td>optional</td> </tr> <tr> <td>frame</td> <td>anyURI</td> <td>#ISO-8601</td> <td>optional</td> </tr> <tr> <td>indeterminatePosition</td> <td>gml:TimeIndeterminateValueType</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	calendarEraName	string		optional	frame	anyURI	#ISO-8601	optional	indeterminatePosition	gml:TimeIndeterminateValueType		optional
QName	Type	Default	Use														
calendarEraName	string		optional														
frame	anyURI	#ISO-8601	optional														
indeterminatePosition	gml:TimeIndeterminateValueType		optional														

Element **gml:TimePeriodType / gml:end**

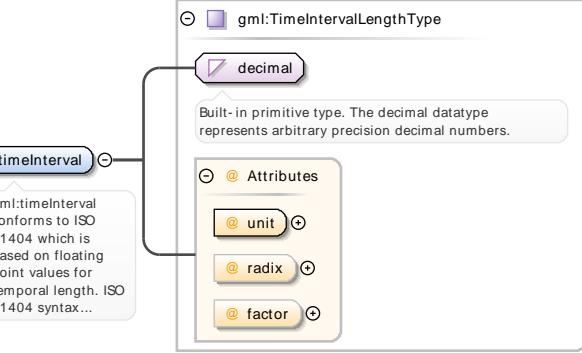
Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the structure of gml:TimeInstantPropertyType. It includes an end element, a group of attributes (gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup), and a gml:TimeInstant element. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." and "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..."</p> <p>gml:TimeInstant is described as: "gml:TimeInstant acts as a zero-dimensional geometric primitive that represents an identifiable position in time."</p> <p>A note at the bottom states: "gml:TimeInstantPropertyType provides for associating a gml:TimeInstant with an object."</p>

Type	gml:TimeInstantPropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

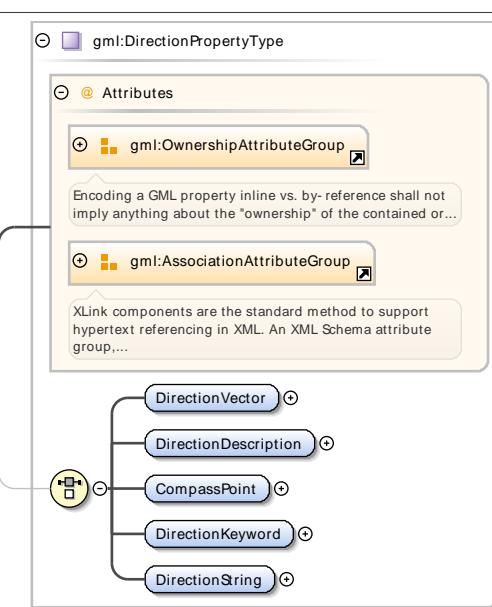
Element gml:duration

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:duration conforms to the ISO 8601 syntax for temporal length as implemented by the XML Schema duration type.				
Diagram					
Type	gml:duration				
Properties	content: simple				

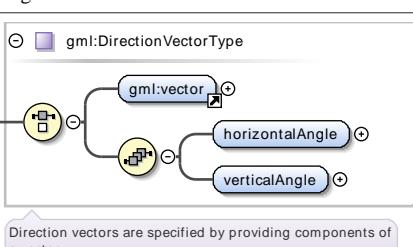
Element gml:timeInterval

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:timeInterval conforms to ISO 11404 which is based on floating point values for temporal length. ISO 11404 syntax specifies the use of a positiveInteger together with appropriate values for radix and factor. The resolution of the time interval is to one radix ^(-factor) of the specified time unit. The value of the unit is either selected from the units for time intervals from ISO 31-1:1992, or is another suitable unit. The encoding is defined for GML in gml:TimeUnitType. The second component of this union type provides a method for indicating time units other than the six standard units given in the enumeration.				
Diagram					
Type	gml:TimeIntervalLengthType				
Properties	content: complex				
Attributes	QName	Type	Use		
	factor	integer	optional		
	radix	positiveInteger	optional		
	unit	gml:TimeUnitType	required		

Element `gml:direction`

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	The property <code>gml:direction</code> is intended as a pre-defined property expressing a direction to be assigned to features defined in a GML application schema.																																																							
Diagram	 <p>The property <code>gml:direction</code> is intended as a pre-defined property expressing a direction to be assigned to features...</p>																																																							
Type	<code>gml:DirectionPropertyType</code>																																																							
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><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

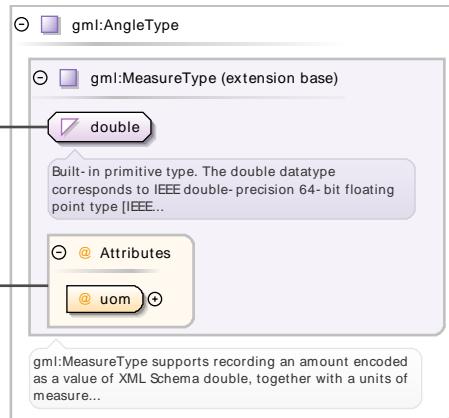
Element `gml:DirectionPropertyType` / `gml:DirectionVector`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Direction vectors are specified by providing components of a vector.</p>
Type	<code>gml:DirectionVectorType</code>
Properties	content: complex

Element `gml:DirectionVectorType` / `gml:horizontalAngle`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:AngleType

Properties

content: complex

Attributes

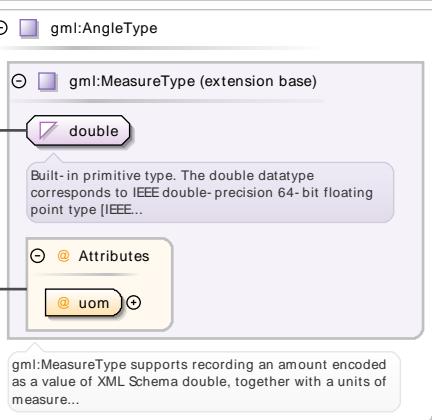
QName	Type	Use
uom	gml:UomIdentifier	required

Element gml:DirectionVectorType / gml:verticalAngle

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:AngleType

Properties

content: complex

Attributes

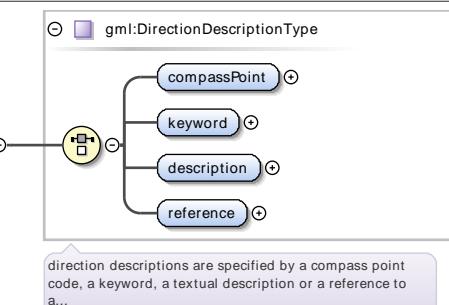
QName	Type	Use
uom	gml:UomIdentifier	required

Element gml:DirectionPropertyType / gml:DirectionDescription

Namespace

http://www.opengis.net/gml/3.2

Diagram



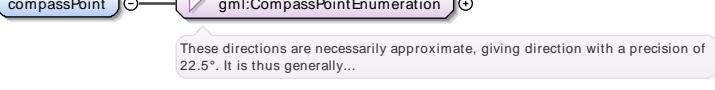
Type

gml:DirectionDescriptionType

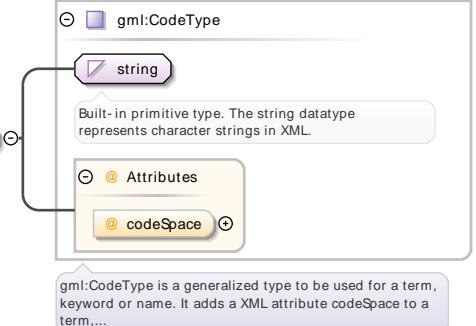
Properties

content: complex

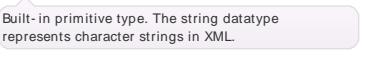
Element `gml:DirectionDescriptionType` / `gml:compassPoint`

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:CompassPointEnumeration
Properties	content: simple

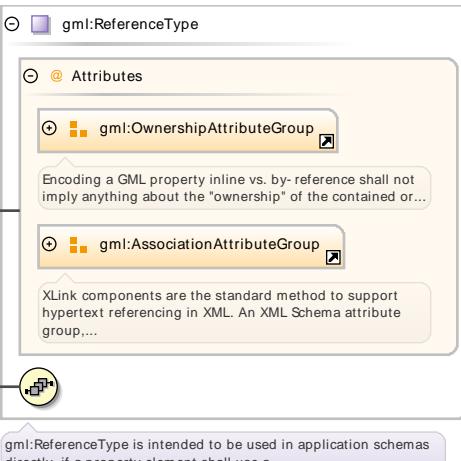
Element `gml:DirectionDescriptionType` / `gml:keyword`

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:CodeType						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional
QName	Type	Use					
codeSpace	anyURI	optional					

Element `gml:DirectionDescriptionType` / `gml:description`

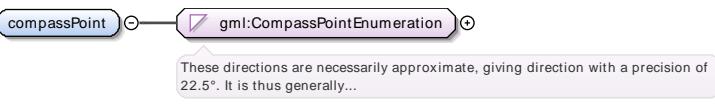
Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	string
Properties	content: simple

Element `gml:DirectionDescriptionType` / `gml:reference`

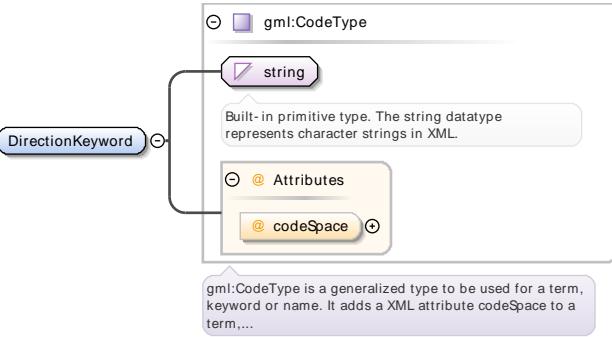
Namespace	http://www.opengis.net/gml/3.2
Diagram	

Type	gml:ReferenceType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:DirectionPropertyType / gml:CompassPoint

Namespace	http://www.opengis.net/gml/3.2	
Diagram		
Type	gml:CompassPointEnumeration	
Properties	content: simple	

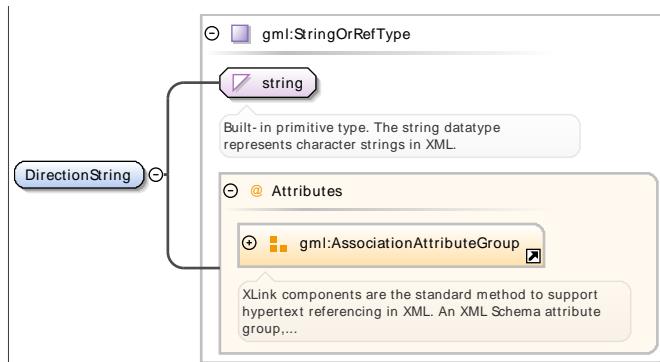
Element gml:DirectionPropertyType / gml:DirectionKeyword

Namespace	http://www.opengis.net/gml/3.2	
Diagram		
Type	gml:CodeType	
Properties	content: complex	
Attributes	QName	Type
	codeSpace	anyURI
		optional

Element gml:DirectionPropertyType / gml:DirectionString

Namespace	http://www.opengis.net/gml/3.2	
-----------	--------------------------------	--

Diagram



Type	<code>gml:StringOrRefType</code>
------	----------------------------------

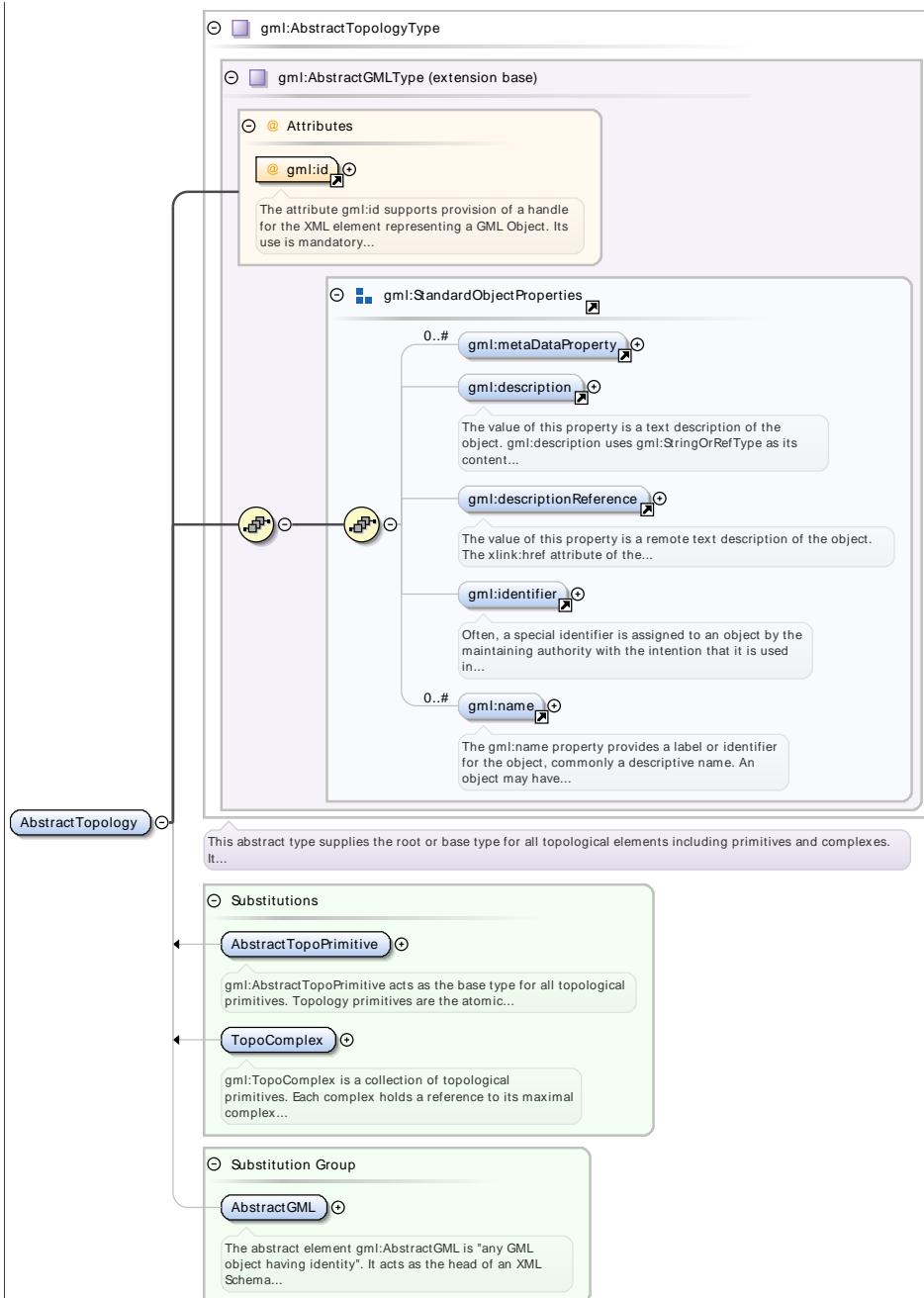
Properties	content: complex
------------	------------------

Attributes	QName	Type	Fixed	Use
	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional
	<code>xlink:show</code>	<code>xlink:showType</code>		optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional

Element `gml:AbstractTopology`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	gml:AbstractTopologyType
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • gml:AbstractTopoPrimitive • gml:Node • gml:Edge • gml:Face • gml:TopoSolid • gml:TopoComplex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractGML

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:AbstractTopoPrimitive

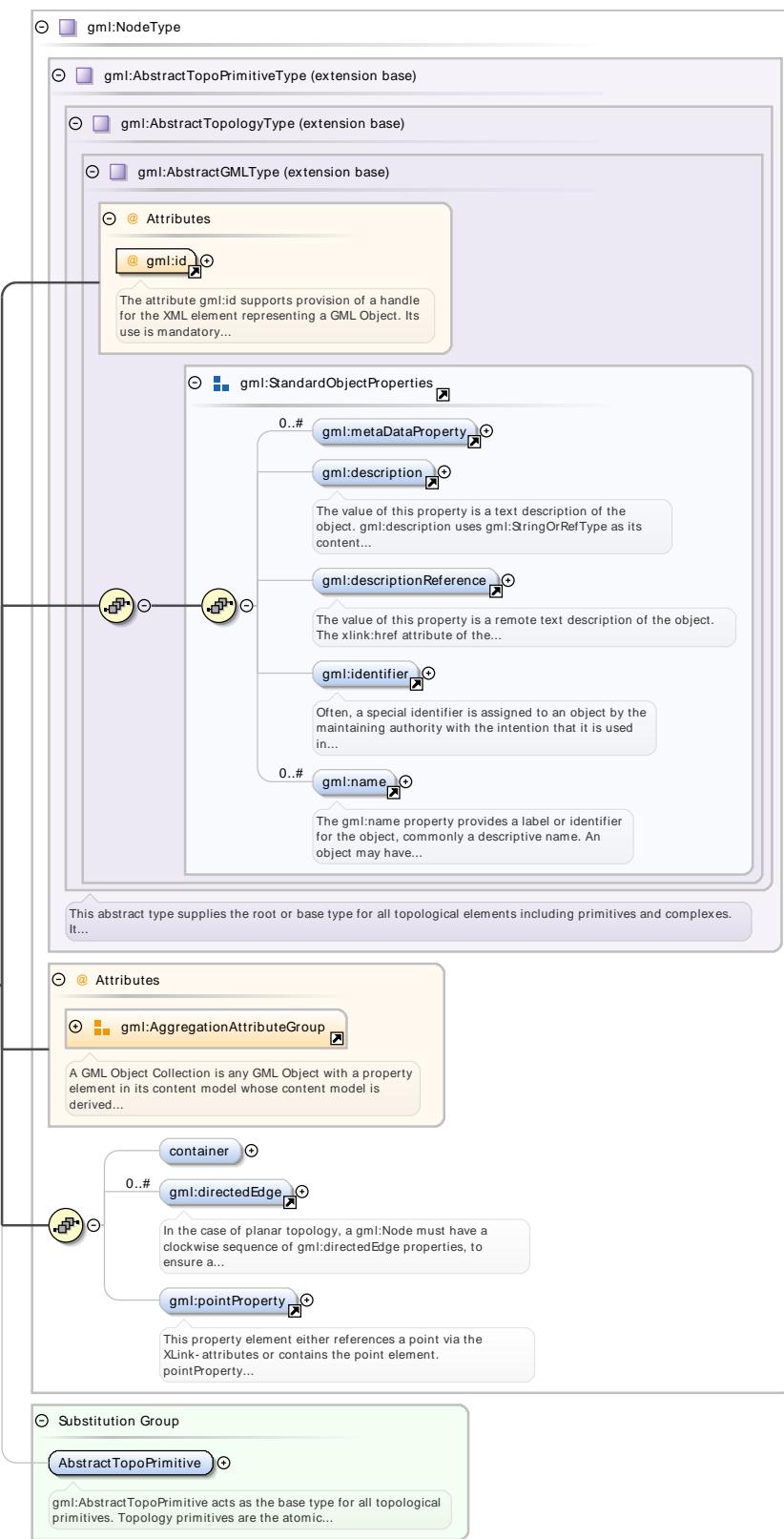
Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:AbstractTopoPrimitive acts as the base type for all topological primitives. Topology primitives are the atomic (smallest possible) units of a topology complex. Each topology primitive may contain references to other topology primitives of codimension 2 or more (gml:isolated). Conversely, nodes may have faces as containers and nodes and edges may have solids as containers (gml:container).</p>
Diagram	<p>The diagram illustrates the structure of the gml:AbstractTopoPrimitive type. It is an abstract type that supplies the root or base type for all topological elements including primitives and complexes. It inherits from gml:AbstractTopologyType and gml:AbstractGMLType. The type has attributes: gml:id (mandatory), gml:metaDataProperty (0..#), gml:description (0..1), gml:descriptionReference (0..1), gml:identifier (0..1), and gml:name (0..#). It also defines a substitution group for AbstractTopology, which includes Edge, Face, Node, and TopoSolid.</p>

Type	gml:AbstractTopoPrimitiveType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> • gml:Node • gml:Edge • gml:Face • gml:TopoSolid 		
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractTopology 		
Attributes	QName gml:id	Type ID	Use required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:Node**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:Node represents the 0-dimensional primitive. The optional coboundary of a node (gml:directedEdge) is a sequence of directed edges which are incident on this node. Edges emanating from this node appear in the node coboundary with a negative orientation. If provided, the aggregationType attribute shall have the value "sequence". A node may optionally be realised by a 0-dimensional geometric primitive (gml:pointProperty).</p>

Diagram



Type	gml:NodeType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractTopoPrimitive

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

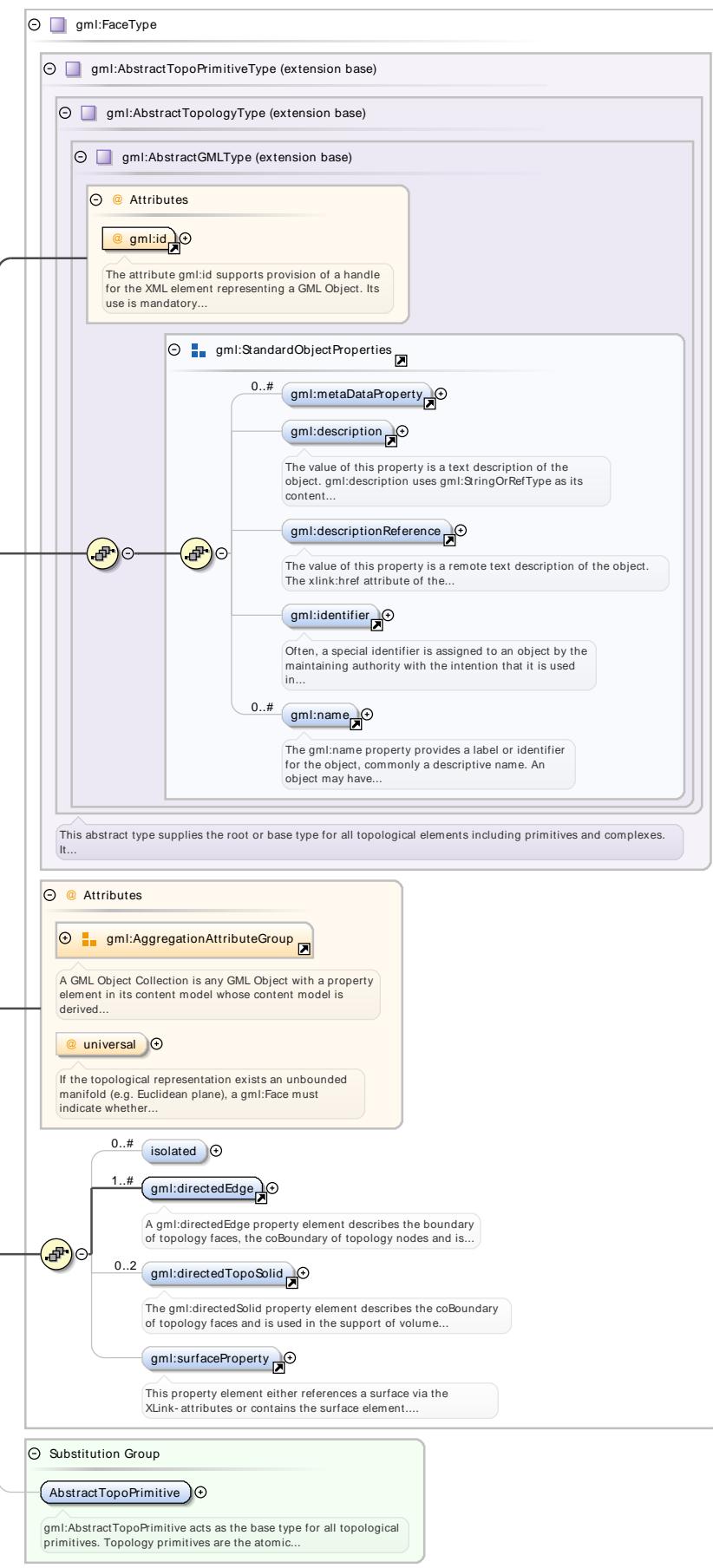
Element **gml:NodeType** / **gml:container**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:FaceOrTopoSolidPropertyType element. It is a complex type (complex) with a single child element, gml:Face. The gml:Face element is described as representing the 2-dimensional topology primitive, specifically the topological boundary of a face (gml:directedEdge). It is also noted that gml:Face represents the 3-dimensional topology primitive, the topological boundary of a solid (gml:directedFace). The diagram also shows the gml:TopoSolid element, which represents the 3-dimensional topology primitive, the topological boundary of a solid (gml:directedFace). Annotations for the gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup are also present.</p>																																																							
Type	gml:FaceOrTopoSolidPropertyType																																																							
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0																																																			
content:	complex																																																							
minOccurs:	0																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:Face**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:Face represents the 2-dimensional topology primitive. The topological boundary of a face (gml:directedEdge) consists of a sequence of directed edges. If provided, the aggregationType attribute shall have the value "sequence". The optional coboundary of a face (gml:directedTopoSolid) is a pair of directed solids which are bounded by this face. A positively directed solid corresponds to a solid which lies in the direction of the negatively directed normal to the face in any geometric realisation. A face may optionally be realised by a 2-dimensional geometric primitive (gml:surfaceProperty).</p>

Diagram



Type	<code>gml:FaceType</code>
------	---------------------------

Properties	content: complex				
Substitution Group Affiliation	• gml:AbstractTopoPrimitive				
Attributes	QName	Type	Default	Use	
	aggregationType	gml:AggregationType		optional	
	gml:id	ID		required	
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	universal	boolean	false	optional	
		If the topological representation exists an unbounded manifold (e.g. Euclidean plane), a gml:Face must indicate whether it is a universal face or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this. NOTE The universal face is normally not part of any feature, and is used to represent the unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the map represented by the data set.			

Element gml:FaceType / gml:isolated

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram shows the structure of gml:NodePropertyType. It includes an 'Attributes' group containing 'AssociationAttributeGroup' and 'OwnershipAttributeGroup'. The 'isolated' attribute is highlighted with a blue box and a callout pointing to its description: 'Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...'.</p>				
Type	gml:NodePropertyType				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

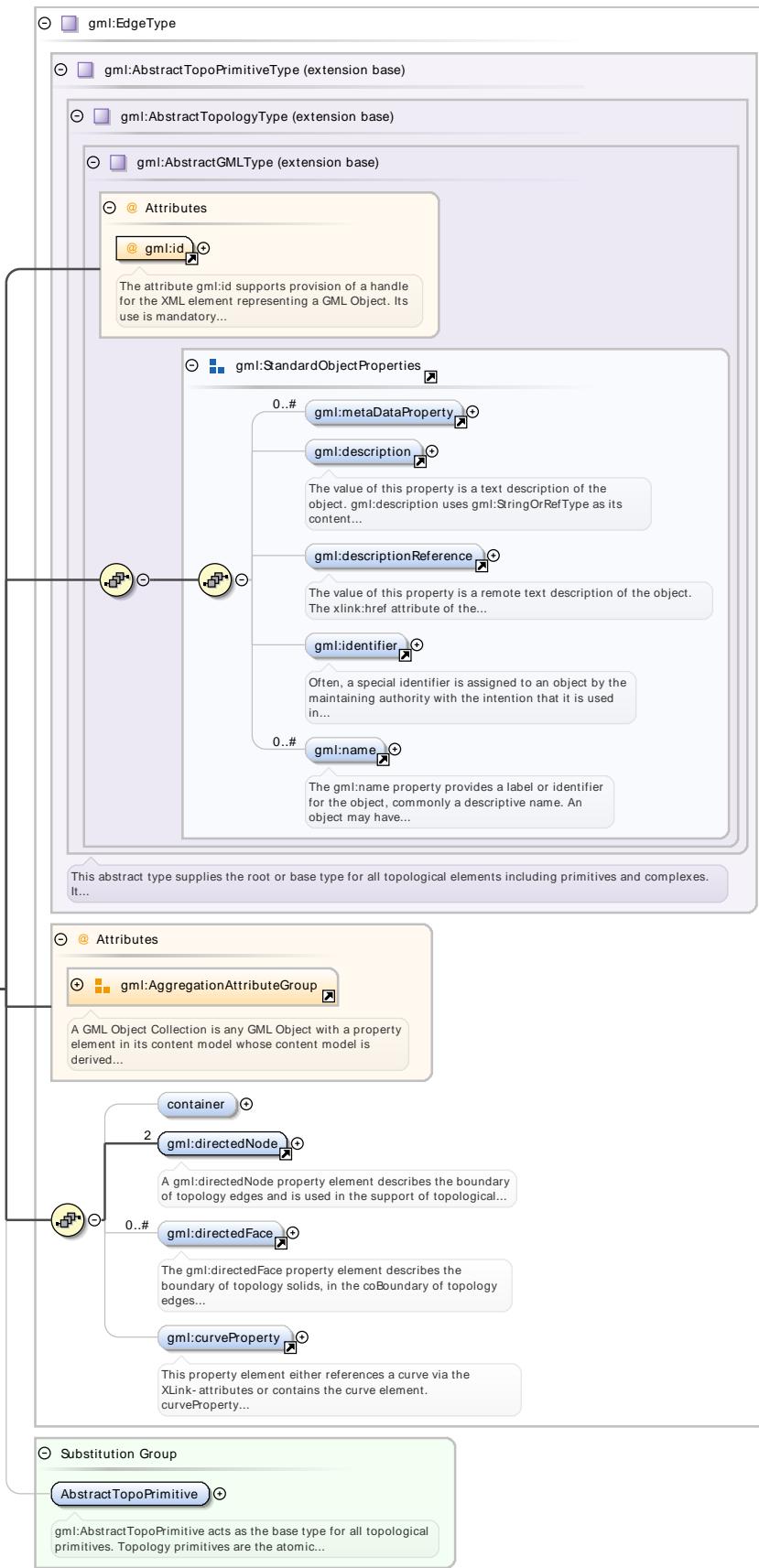
Element gml:directedEdge

Namespace	http://www.opengis.net/gml/3.2																																																												
Annotations	A gml:directedEdge property element describes the boundary of topology faces, the coBoundary of topology nodes and is used in the support of topological line features via the gml:TopoCurve expression, see below. The orientation attribute of type gml:SignType expresses the sense in which the included edge is used, i.e. forward or reverse.																																																												
Diagram	<p>The diagram illustrates the structure of the gml:DirectedEdgePropertyType. It starts with a main box labeled 'gml:DirectedEdgePropertyType'. Inside, there is an 'Attributes' section containing the 'orientation' attribute. Below this is an 'AssociationAttributeGroup' (indicated by a yellow box with a plus sign) which contains an XLink component note: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...' and an 'OwnershipAttributeGroup' (also indicated by a yellow box with a plus sign) which contains another note: 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...'. A 'directedEdge' element is shown with a callout pointing to a note: 'A gml:directedEdge property element describes the boundary of topology faces, the coBoundary of topology nodes and is...'. A 'gml:Edge' element is shown with a callout pointing to a note: 'gml:Edge represents the 1-dimensional primitive. The topological boundary of an Edge (gml:directedNode) consists of a...'. A legend at the bottom indicates that yellow boxes with plus signs represent 'Complex Type' components.</p>																																																												
Type	gml:DirectedEdgePropertyType																																																												
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>orientation</td> <td>gml:SignType</td> <td></td> <td>+</td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	orientation	gml:SignType		+	optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																									
gml:remoteSchema	anyURI			optional																																																									
nilReason	gml:NilReasonType			optional																																																									
orientation	gml:SignType		+	optional																																																									
owns	boolean		false	optional																																																									
xlink:actuate	xlink:actuateType			optional																																																									
xlink:arcrole	xlink:arcroleType			optional																																																									
xlink:href	xlink:hrefType			optional																																																									
xlink:role	xlink:roleType			optional																																																									
xlink:show	xlink:showType			optional																																																									
xlink:title	xlink:titleAttrType			optional																																																									
xlink:type	xlink:typeType	simple		optional																																																									

Element `qml:Edge`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:Edge represents the 1-dimensional primitive. The topological boundary of an Edge (gml:directedNode) consists of a negatively directed start Node and a positively directed end Node. The optional coboundary of an edge (gml:directedFace) is a circular sequence of directed faces which are incident on this edge in document order. In the 2D case, the orientation of the face on the left of the edge is "+"; the orientation of the face on the right on its right is "-". If provided, the aggregationType attribute shall have the value "sequence". An edge may optionally be realised by a 1-dimensional geometric primitive (gml:curveProperty).</p>

Diagram



Type	<code>gml:EdgeType</code>
------	---------------------------

Properties	content: complex
------------	------------------

Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractTopoPrimitive 			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>			

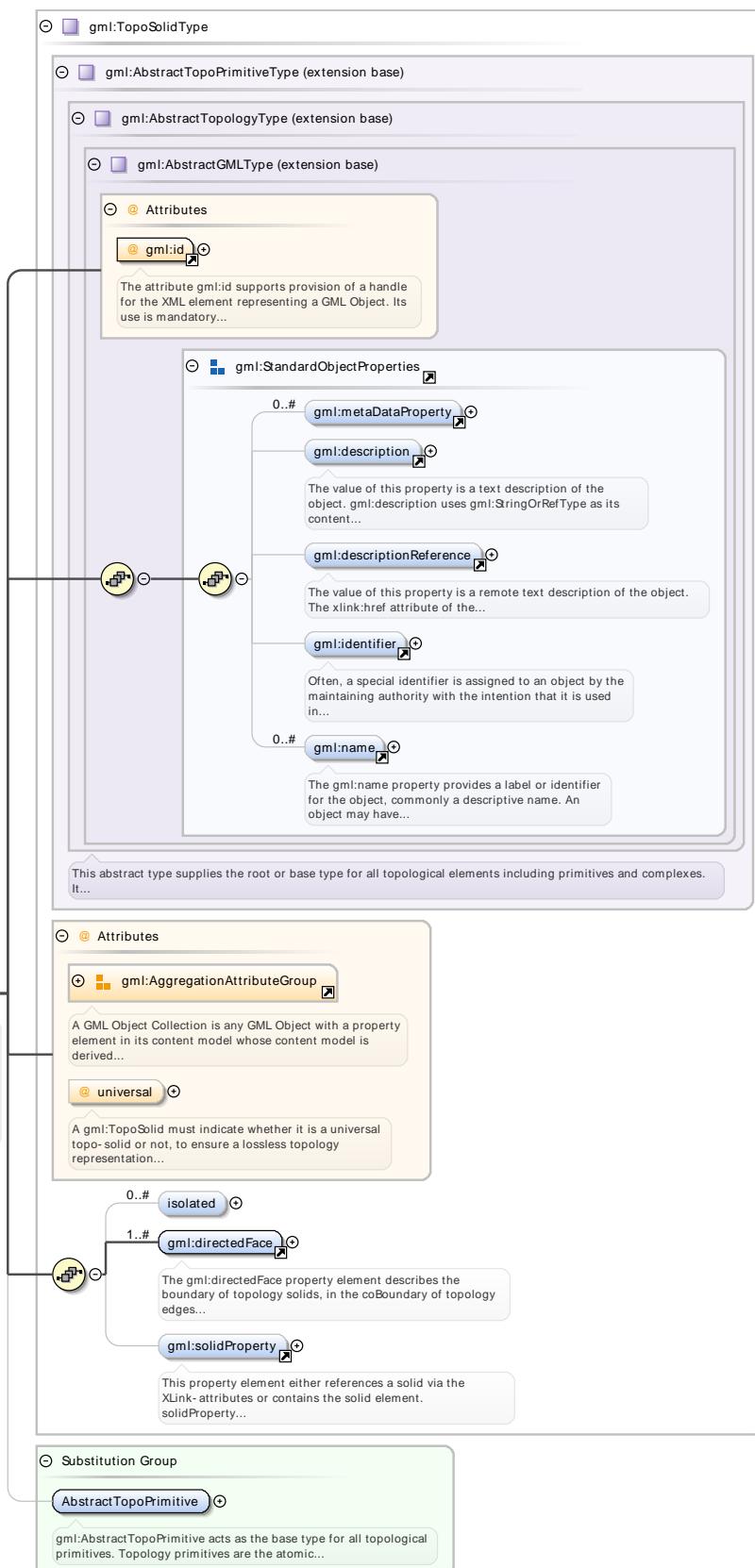
Element gml:EdgeType / gml:container

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:TopoSolidPropertyType element. It shows a central box for 'gml:TopoSolidPropertyType' with an 'Attributes' section containing 'gml:AssociationAttributeGroup' and 'gml:OwnershipAttributeGroup'. A 'container' association is shown pointing to the 'gml:TopoSolid' element, which is described as representing the 3-dimensional topology primitive. Annotations provide details on XLink components and ownership.</p>																																																							
Type	gml:TopoSolidPropertyType																																																							
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0																																																			
content:	complex																																																							
minOccurs:	0																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:TopoSolid

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:TopoSolid represents the 3-dimensional topology primitive. The topological boundary of a solid (gml:directedFace) consists of a set of directed faces. A solid may optionally be realised by a 3-dimensional geometric primitive (gml:solidProperty).</p>

Diagram



Type	<code>gml:TopoSolidType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractTopoPrimitive</code>

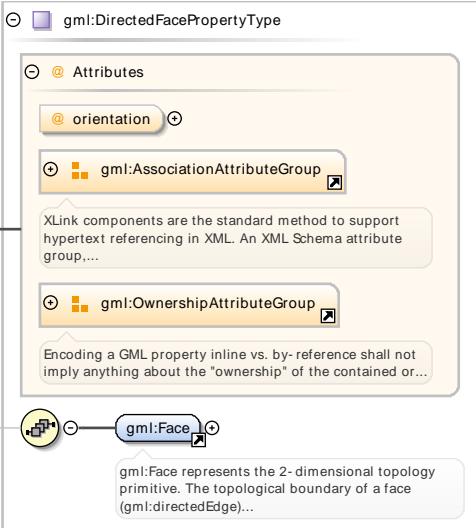
Attributes	QName	Type	Default	Use	
	aggregationType	gml:AggregationType		optional	
	gml:id	ID		required	
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	universal	boolean	false	optional	
		A gml:TopoSolid must indicate whether it is a universal topo-solid or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this and the default is fault. NOTE The universal topo-solid is normally not part of any feature, and is used to represent the unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the data set.			

Element **gml:TopoSolidType** / **gml:isolated**

Namespace	http://www.opengis.net/gml/3.2																																																											
Diagram																																																												
Type	gml:NodeOrEdgePropertyType																																																											
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																																																											
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																								
gml:remoteSchema	anyURI			optional																																																								
nilReason	gml:NilReasonType			optional																																																								
owns	boolean		false	optional																																																								
xlink:actuate	xlink:actuateType			optional																																																								
xlink:arcrole	xlink:arcroleType			optional																																																								
xlink:href	xlink:hrefType			optional																																																								
xlink:role	xlink:roleType			optional																																																								
xlink:show	xlink:showType			optional																																																								
xlink:title	xlink:titleAttrType			optional																																																								
xlink:type	xlink:typeType	simple		optional																																																								

Element **gml:directedFace**

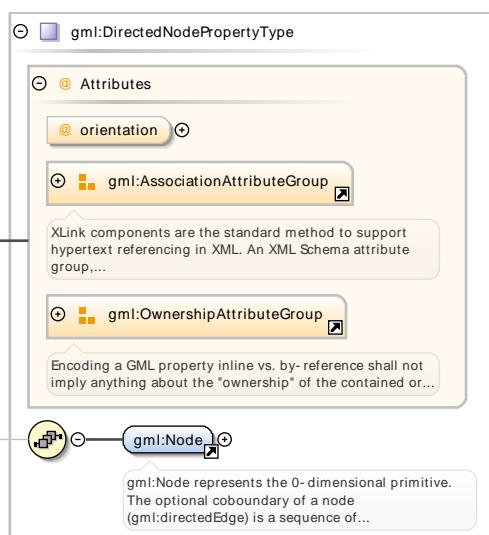
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	The <code>gml:directedFace</code> property element describes the boundary of topology solids, in the coBoundary of topology edges and is used in the support of surface features via the <code>gml:TopoSurface</code> expression, see below. The orientation attribute of type <code>gml:SignType</code> expresses the sense in which the included face is used i.e. inward or outward with respect to the surface normal in any geometric realisation.																																																												
Diagram	 The diagram illustrates the schema structure for <code>gml:DirectedFacePropertyType</code> . It shows the following components: <ul style="list-style-type: none"><code>gml:DirectedFacePropertyType</code> (Complex Type)<code>Attributes</code> (Group):<ul style="list-style-type: none"><code>orientation</code> (Attribute)<code>gml:AssociationAttributeGroup</code> (Group):<ul style="list-style-type: none">XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....<code>gml:OwnershipAttributeGroup</code> (Group):<ul style="list-style-type: none">Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...<code>directedFace</code> (Element):<ul style="list-style-type: none">The <code>gml:directedFace</code> property element describes the boundary of topology solids, in the coBoundary of topology edges...<code>gml:Face</code> (Element):<ul style="list-style-type: none"><code>gml:Face</code> represents the 2-dimensional topology primitive. The topological boundary of a face (<code>gml:directedEdge</code>)...																																																												
Type	<code>gml:DirectedFacePropertyType</code>																																																												
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><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>orientation</code></td> <td><code>gml:SignType</code></td> <td>+</td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>orientation</code>	<code>gml:SignType</code>	+		optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																									
<code>gml:remoteSchema</code>	anyURI			optional																																																									
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																									
<code>orientation</code>	<code>gml:SignType</code>	+		optional																																																									
<code>owns</code>	boolean		false	optional																																																									
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																									
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																									
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																									
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																									
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																									
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																									
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																									

Element `gml:directedNode`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A <code>gml:directedNode</code> property element describes the boundary of topology edges and is used in the support of topological point features via the <code>gml:TopoPoint</code> expression, see below. The orientation attribute of type <code>gml:SignType</code> expresses the sense in which the included node is used: start ("") or end ("") node.

Diagram



Type

`gml:DirectedNodePropertyType`

Properties

content: complex

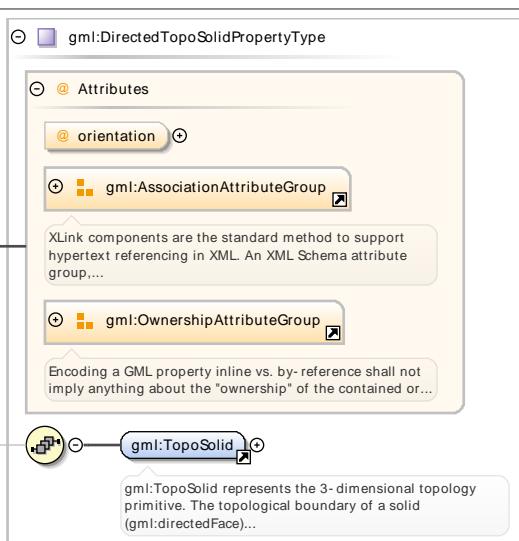
Attributes

QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	<code>anyURI</code>			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>orientation</code>	<code>gml:SignType</code>		+	optional
<code>owns</code>	<code>boolean</code>		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:directedTopoSolid`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>gml:directedSolid</code> property element describes the coBoundary of topology faces and is used in the support of volume features via the <code>gml:TopoVolume</code> expression, see below. The orientation attribute of type <code>gml:SignType</code> expresses the sense in which the included solid appears in the face coboundary. In the context of a <code>gml:TopoVolume</code> the orientation attribute has no meaning.

Diagram



Type	gml:DirectedTopoSolidPropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	orientation	gml:SignType		+	optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:TopoPoint

Namespace	http://www.opengis.net/gml/3.2
Annotations	The intended use of gml:TopoPoint is to appear within a point feature to express the structural and possibly geometric relationships of this feature to other features via shared node definitions.
Diagram	<p>The diagram illustrates the UML class structure for <code>gml:TopoPointType</code>. It shows inheritance from <code>gml:AbstractTopologyType</code> and <code>gml:AbstractGMLType</code>. The class <code>gml:TopoPoint</code> is associated with <code>gml:StandardObjectProperties</code>, which includes properties for <code>gml:metaDataProperty</code>, <code>gml:description</code>, <code>gml:metaDataPropertyReference</code>, <code>gml:identifier</code>, and <code>gml:name</code>. The class <code>gml:TopoPoint</code> is also associated with <code>gml:directedNode</code>. A tooltip for the <code>gml:id</code> attribute explains its mandatory use as a handle. Tooltips for other properties explain their text and remote text descriptions, as well as their use as identifiers and labels.</p>
Type	<code>gml:TopoPointType</code>
Properties	content: complex

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

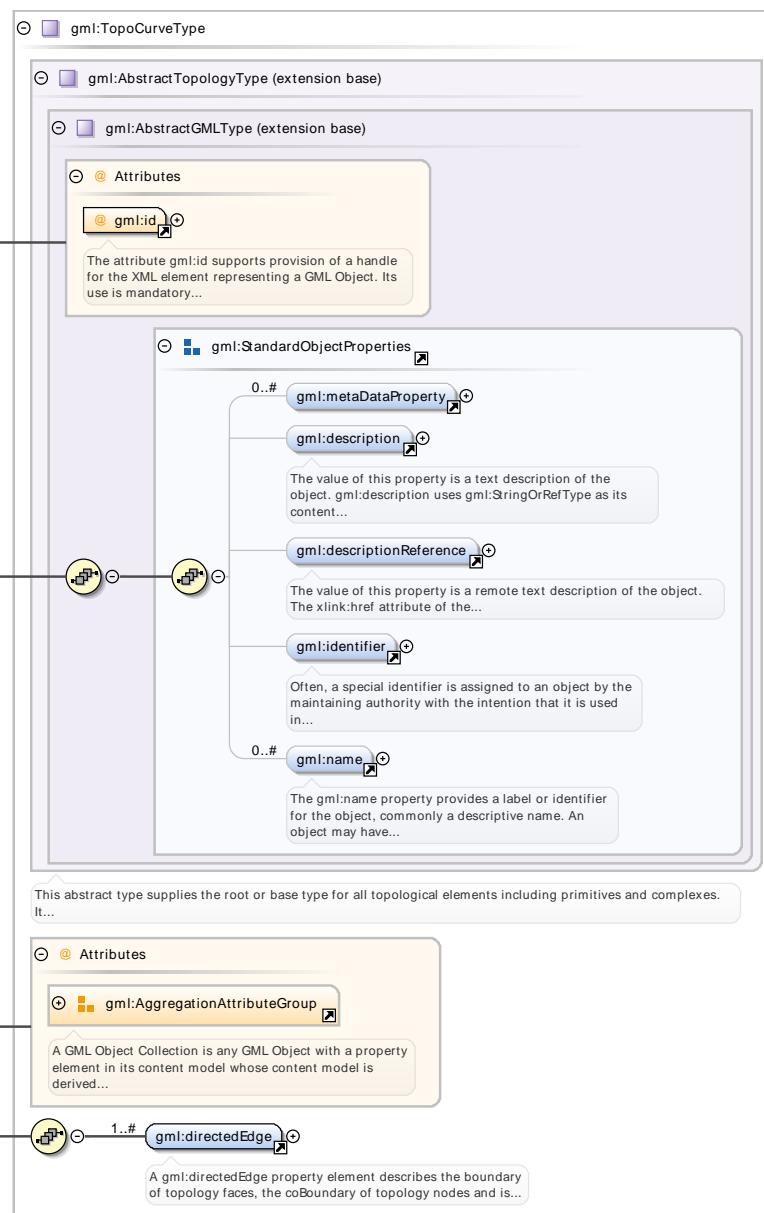
Element **gml:topoPointProperty**

Namespace	http://www.opengis.net/gml/3.2										
Annotations	The gml:topoPointProperty property element may be used in features to express their relationship to the referenced topology node.										
Diagram											
Type	gml:TopoPointPropertyType										
Properties	content: complex										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>			QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use								
owns	boolean	false	optional								

Element **gml:TopoCurve**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:TopoCurve represents a homogeneous topological expression, a sequence of directed edges, which if realised are isomorphic to a geometric curve primitive. The intended use of gml:TopoCurve is to appear within a line feature to express the structural and geometric relationships of this feature to other features via the shared edge definitions. If provided, the aggregationType attribute shall have the value "sequence".		

Diagram



Type	<code>gm:TopoCurveType</code>												
Properties	content: complex												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gm:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>gm:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute <code>gm:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gm:AggregationType</code>	optional	<code>gm:id</code>	ID	required		The attribute <code>gm:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use											
<code>aggregationType</code>	<code>gm:AggregationType</code>	optional											
<code>gm:id</code>	ID	required											
	The attribute <code>gm:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.												

Element `gm:topoCurveProperty`

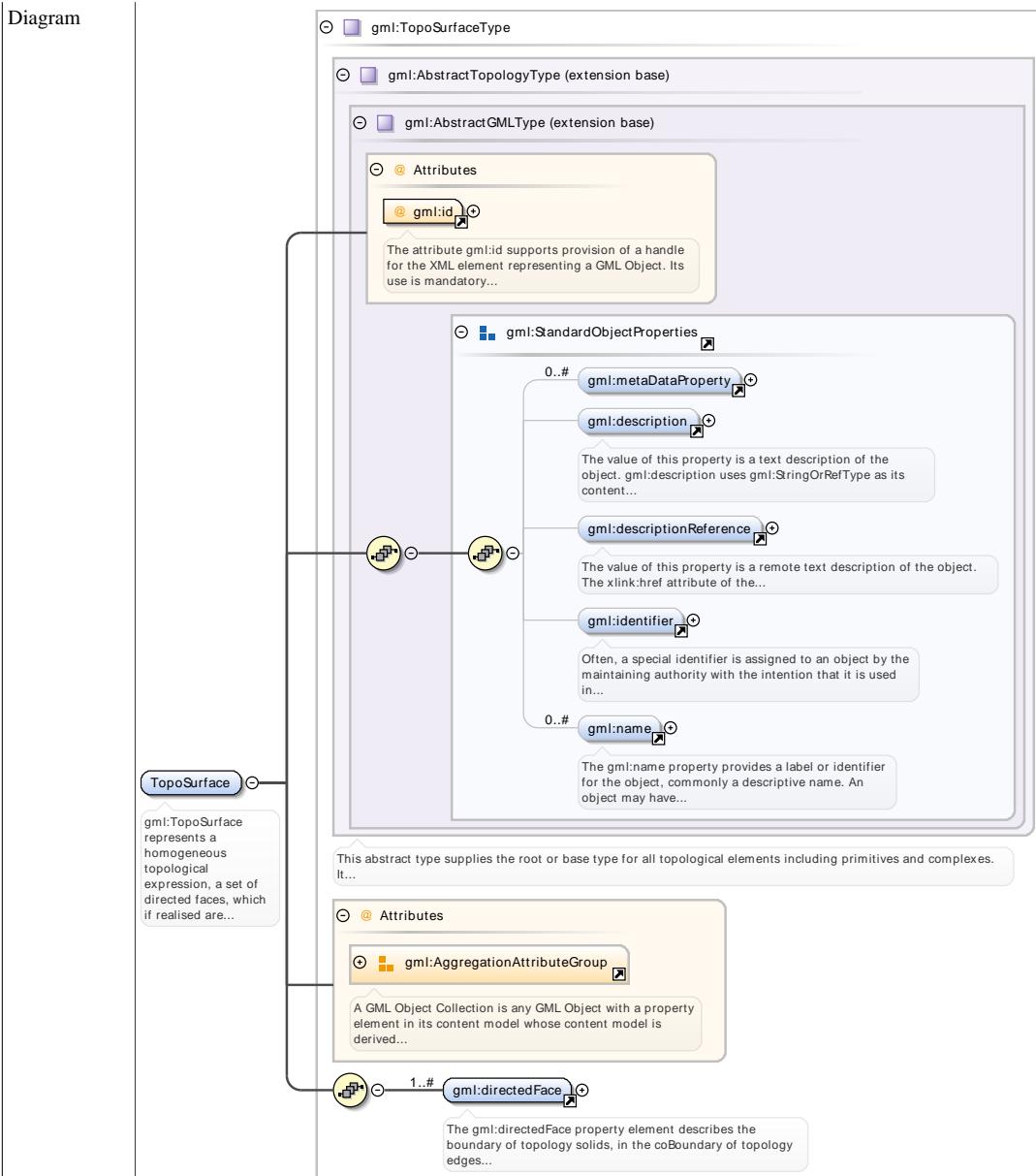
Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>gm:topoCurveProperty</code> property element may be used in features to express their relationship to the referenced topology edges.

Diagram	<p>The <code>gml:topoCurveProperty</code> property element may be used in features to express their relationship to the referenced...</p> <p><code>gml:TopoCurve</code> represents a homogeneous topological expression, a sequence of directed edges, which if realised are...</p>								
Type	<code>gml:TopoCurvePropertyType</code>								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>owns</code></td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	boolean	false	optional
QName	Type	Default	Use						
<code>owns</code>	boolean	false	optional						

Element `gml:TopoSurface`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:TopoSurface</code> represents a homogeneous topological expression, a set of directed faces, which if realised are isomorphic to a geometric surface primitive. The intended use of <code>gml:TopoSurface</code> is to appear within a surface feature to express the structural and possibly geometric relationships of this surface feature to other features via the shared face definitions.

Diagram



Type	gml:TopoSurfaceType												
Properties	content: complex												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use											
aggregationType	gml:AggregationType	optional											
gml:id	ID	required											
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.												

Element gml:topoSurfaceProperty

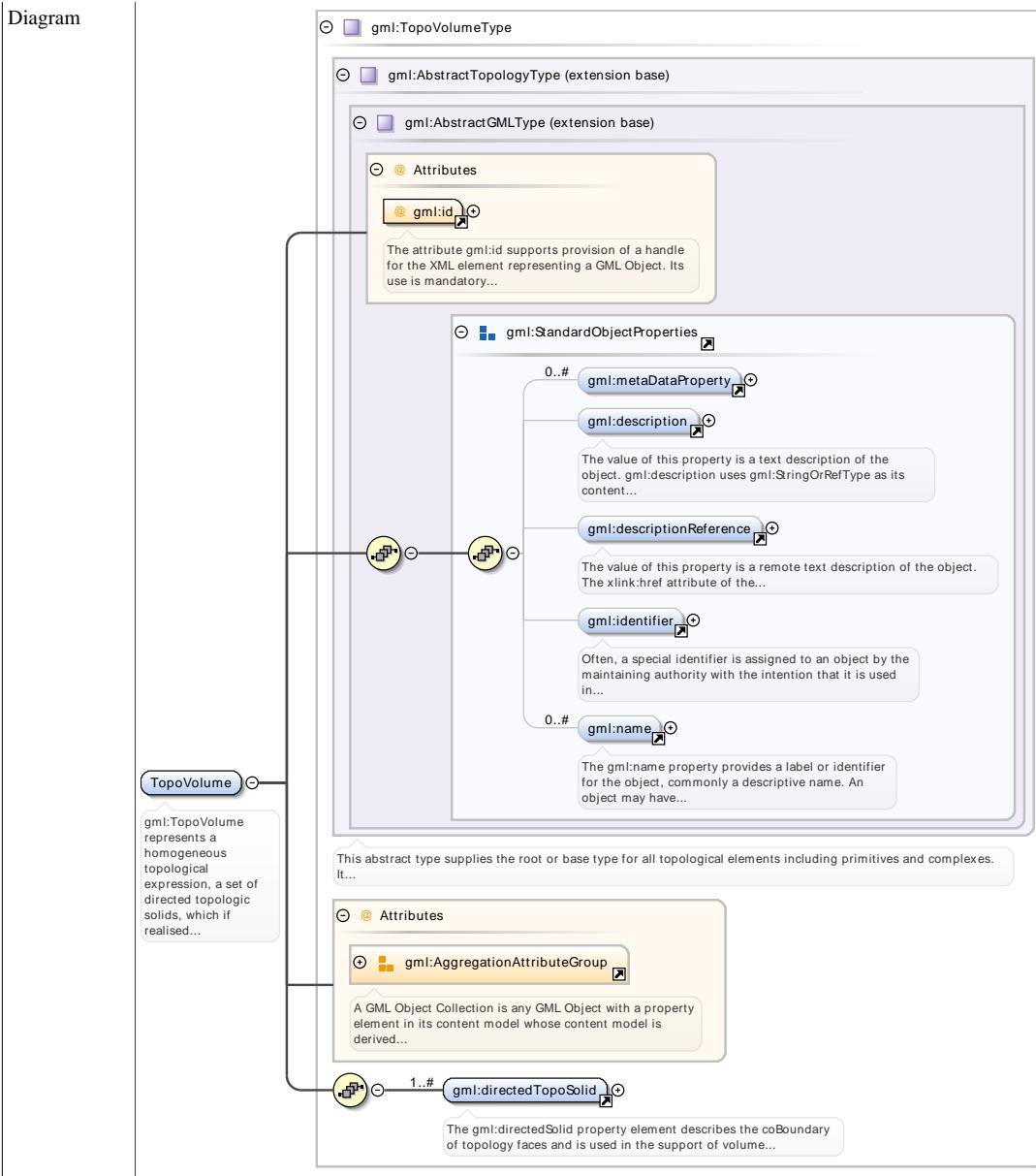
Namespace	http://www.opengis.net/gml/3.2
Annotations	The gml:topoSurfaceProperty property element may be used in features to express their relationship to the referenced topology faces.

Diagram	<p>The <code>gml:topoSurfaceProperty</code> property element may be used in features to express their relationship to the referenced...</p> <p>Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...</p> <p><code>gml:TopoSurface</code> represents a homogeneous topological expression, a set of directed faces, which if realised are...</p>								
Type	<code>gml:TopoSurfacePropertyType</code>								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>owns</code></td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	boolean	false	optional
QName	Type	Default	Use						
<code>owns</code>	boolean	false	optional						

Element `gml:TopoVolume`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:TopoVolume</code> represents a homogeneous topological expression, a set of directed topologic solids, which if realised are isomorphic to a geometric solid primitive. The intended use of <code>gml:TopoVolume</code> is to appear within a solid feature to express the structural and geometric relationships of this solid feature to other features via the shared solid definitions.

Diagram



Type	gml:TopoVolumeType												
Properties	content: complex												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use											
aggregationType	gml:AggregationType	optional											
gml:id	ID	required											
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.												

Element `gml:topoVolumeProperty`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The gml:topoVolumeProperty element may be used in features to express their relationship to the referenced topology volume.

Diagram									
Type	gml:TopoVolumePropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

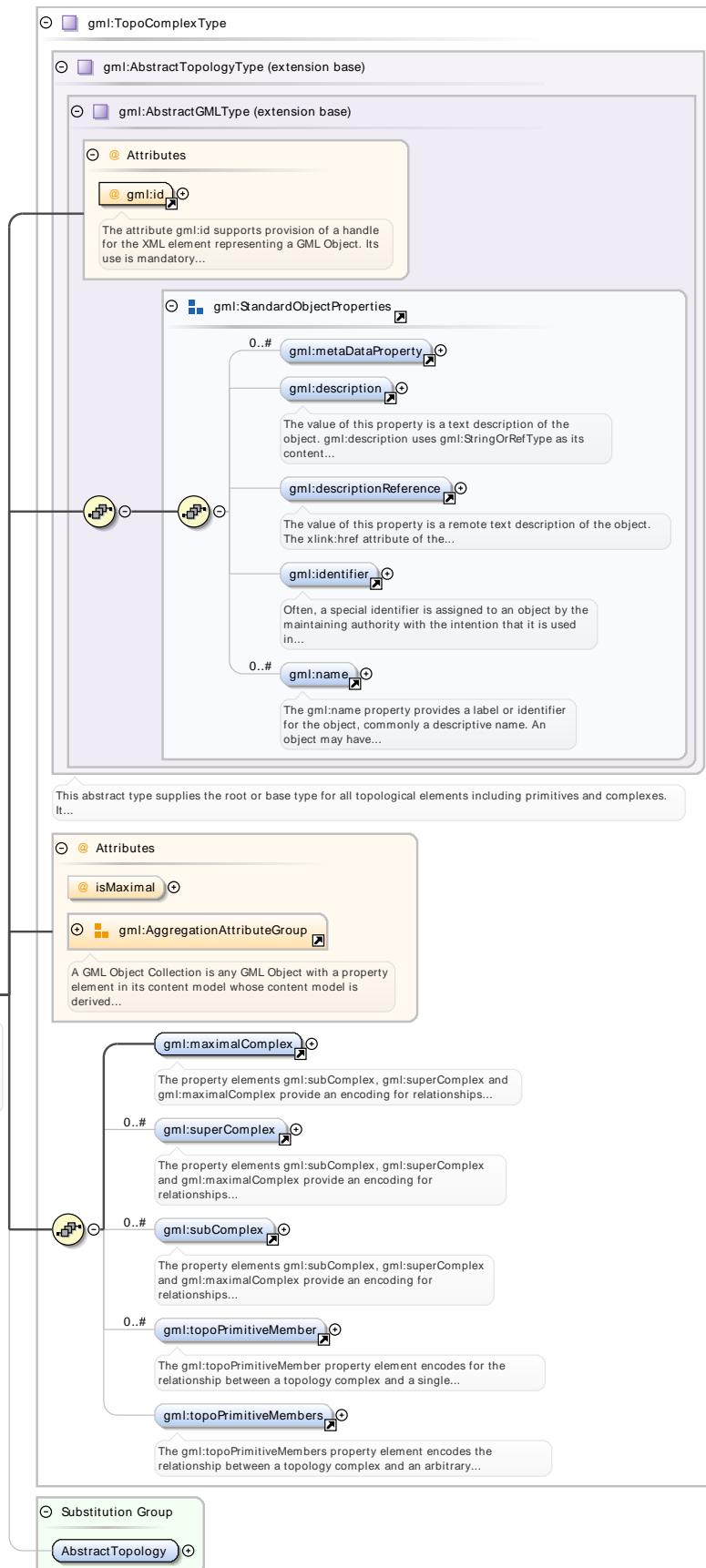
Element **gml:maximalComplex**

Namespace	http://www.opengis.net/gml/3.2																																											
Annotations	The property elements gml:subComplex, gml:superComplex and gml:maximalComplex provide an encoding for relationships between topology complexes as described for gml:TopoComplex above.																																											
Diagram																																												
Type	gml:TopoComplexPropertyType																																											
Properties	content: complex																																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>				QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																									
gml:remoteSchema	anyURI		optional																																									
nilReason	gml:NilReasonType		optional																																									
xlink:actuate	xlink:actuateType		optional																																									
xlink:arcrole	xlink:arcroleType		optional																																									
xlink:href	xlink:hrefType		optional																																									
xlink:role	xlink:roleType		optional																																									
xlink:show	xlink:showType		optional																																									
xlink:title	xlink:titleAttrType		optional																																									
xlink:type	xlink:typeType	simple	optional																																									

Element **gml:TopoComplex**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:TopoComplex is a collection of topological primitives. Each complex holds a reference to its maximal complex (gml:maximalComplex) and optionally to sub- or super-complexes (gml:subComplex, gml:superComplex). A topology complex contains its primitive and sub-complex members.			

Diagram



Type	<code>gml:TopoComplexType</code>
Properties	content: complex

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractTopology</code> 				
Attributes	QName	Type	Default	Use	
	<code>aggregationType</code>	<code>gml:AggregationType</code>		optional	
	<code>gml:id</code>	<code>ID</code>		required	
		<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>			
	<code>isMaximal</code>	<code>boolean</code>	<code>false</code>	optional	

Element `gml:superComplex`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>The property elements <code>gml:subComplex</code>, <code>gml:superComplex</code> and <code>gml:maximalComplex</code> provide an encoding for relationships between topology complexes as described for <code>gml:TopoComplex</code> above.</p>				
Diagram	<p>The diagram illustrates the structure of <code>gml:TopoComplexPropertyType</code>. It shows a main box for <code>gml:TopoComplexPropertyType</code> containing an <code>Attributes</code> section with a <code>gml:AssociationAttributeGroup</code>. A callout box provides information about XLink components for hypertext referencing. Another callout box describes <code>gml:TopoComplex</code> as a collection of topological primitives. A separate box for <code>superComplex</code> is connected to the main structure, with a callout explaining its relationship to <code>gml:subComplex</code>, <code>gml:superComplex</code>, and <code>gml:maximalComplex</code>.</p>				
Type	<code>gml:TopoComplexPropertyType</code>				
Properties	<p>content: complex</p>				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Element `gml:subComplex`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>The property elements <code>gml:subComplex</code>, <code>gml:superComplex</code> and <code>gml:maximalComplex</code> provide an encoding for relationships between topology complexes as described for <code>gml:TopoComplex</code> above.</p>				

Diagram	<p>The property elements gml:subComplex, gml:superComplex and gml:maximalComplex provide an encoding for relationships...</p>																																								
Type	gml:TopoComplexPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:topoPrimitiveMember

Namespace	http://www.opengis.net/gml/3.2																																		
Annotations	The gml:topoPrimitiveMember property element encodes for the relationship between a topology complex and a single topology primitive.																																		
Diagram	<p>The gml:topoPrimitiveMember property element encodes for the relationship between a topology complex and a single...</p>																																		
Type	gml:TopoPrimitiveMemberType																																		
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional
QName	Type	Fixed	Default	Use																															
gml:remoteSchema	anyURI			optional																															
nilReason	gml:NilReasonType			optional																															
owns	boolean		false	optional																															
xlink:actuate	xlink:actuateType			optional																															
xlink:arcrole	xlink:arcroleType			optional																															

QName	Type	Fixed	Default	Use
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element `gml:topoPrimitiveMembers`

Namespace	http://www.opengis.net/gml/3.2											
Annotations	The <code>gml:topoPrimitiveMembers</code> property element encodes the relationship between a topology complex and an arbitrary number of topology primitives.											
Diagram												
Type	gml:TopoPrimitiveArrayAssociationType											
Properties	content: complex											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>				QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use									
owns	boolean	false	optional									

Element `gml:GeometricComplexType` / `gml:element`

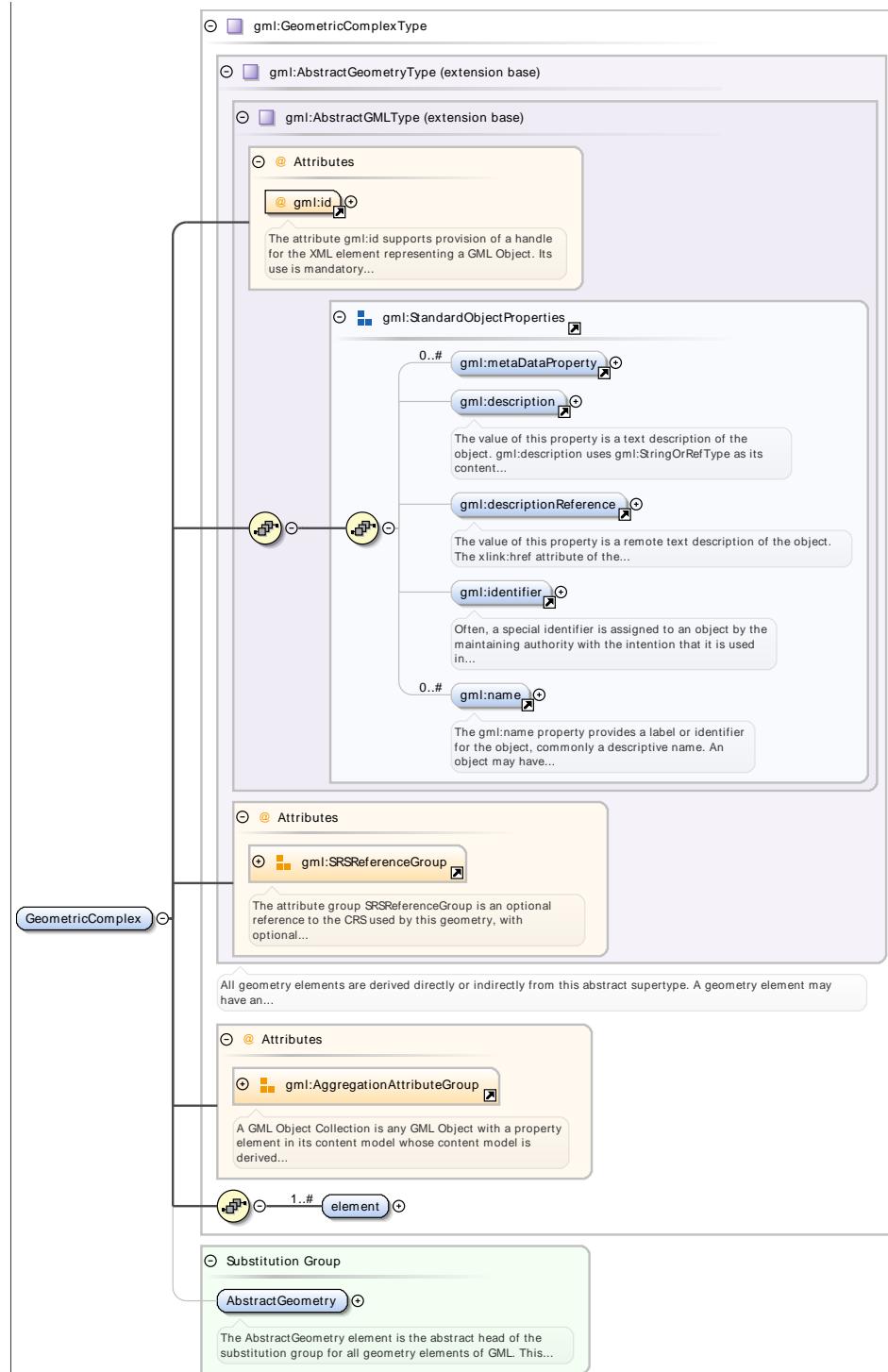
Namespace	http://www.opengis.net/gml/3.2																		
Diagram																			
Type	gml:GeometricPrimitivePropertyType																		
Properties	content: complex maxOccurs: unbounded																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> </tbody> </table>				QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional
QName	Type	Fixed	Default	Use															
gml:remoteSchema	anyURI			optional															
nilReason	gml:NilReasonType			optional															

QName	Type	Fixed	Default	Use
owns	boolean		false	optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element `gml:GeometricComplex`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



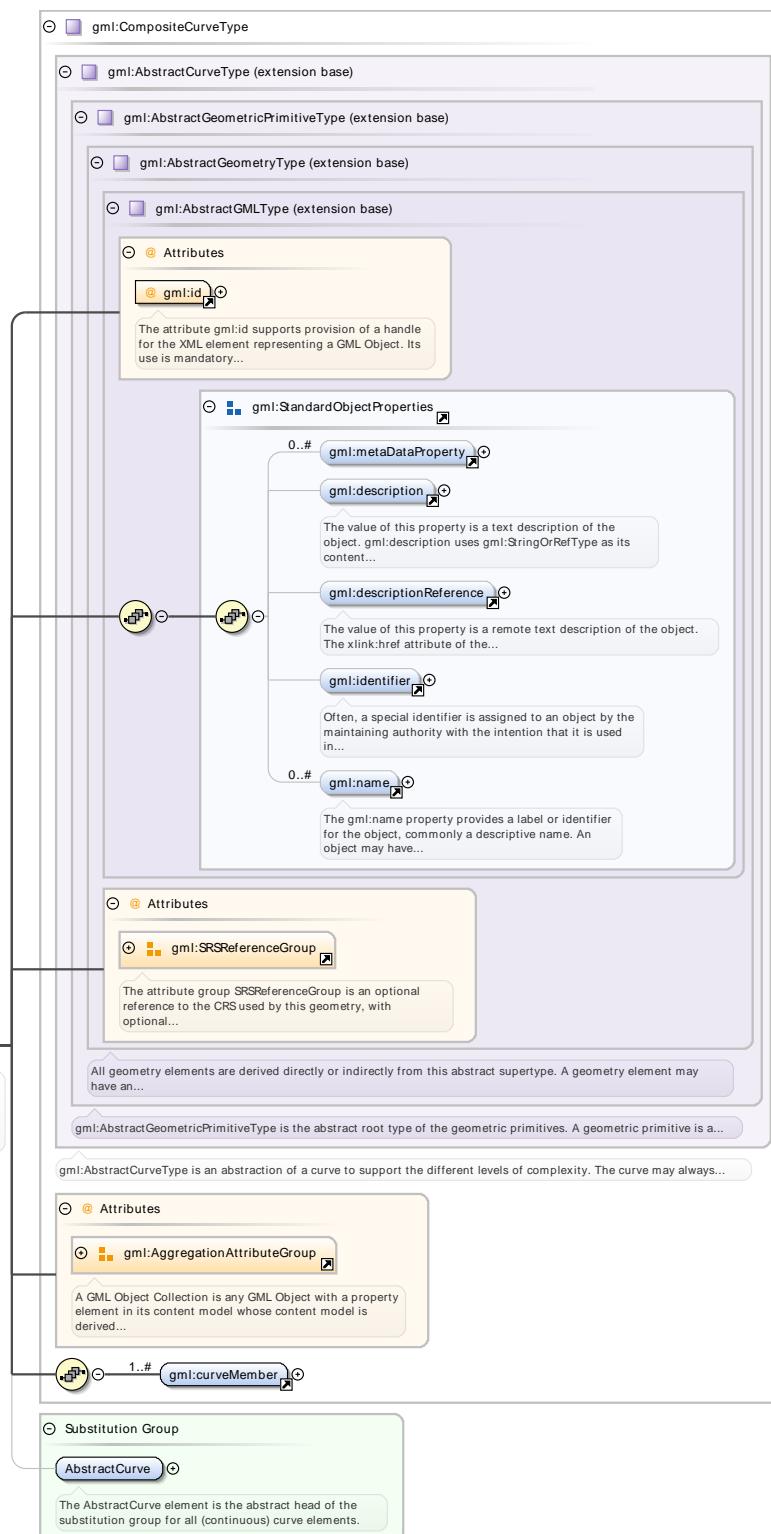
Type	<code>gml:GeometricComplexType</code>												
Properties	content: <code>complex</code>												
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractGeometry</code> 												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>gml:id</code>	ID	required
QName	Type	Use											
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional											
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional											
<code>gml:id</code>	ID	required											

QName	Type	Use	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element **gml:CompositeCurve**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:CompositeCurve is represented by a sequence of (orientable) curves such that each curve in the sequence terminates at the start point of the subsequent curve in the list. curveMember references or contains inline one curve in the composite curve. The curves are contiguous, the collection of curves is ordered. Therefore, if provided, the aggregationType attribute shall have the value "sequence".

Diagram



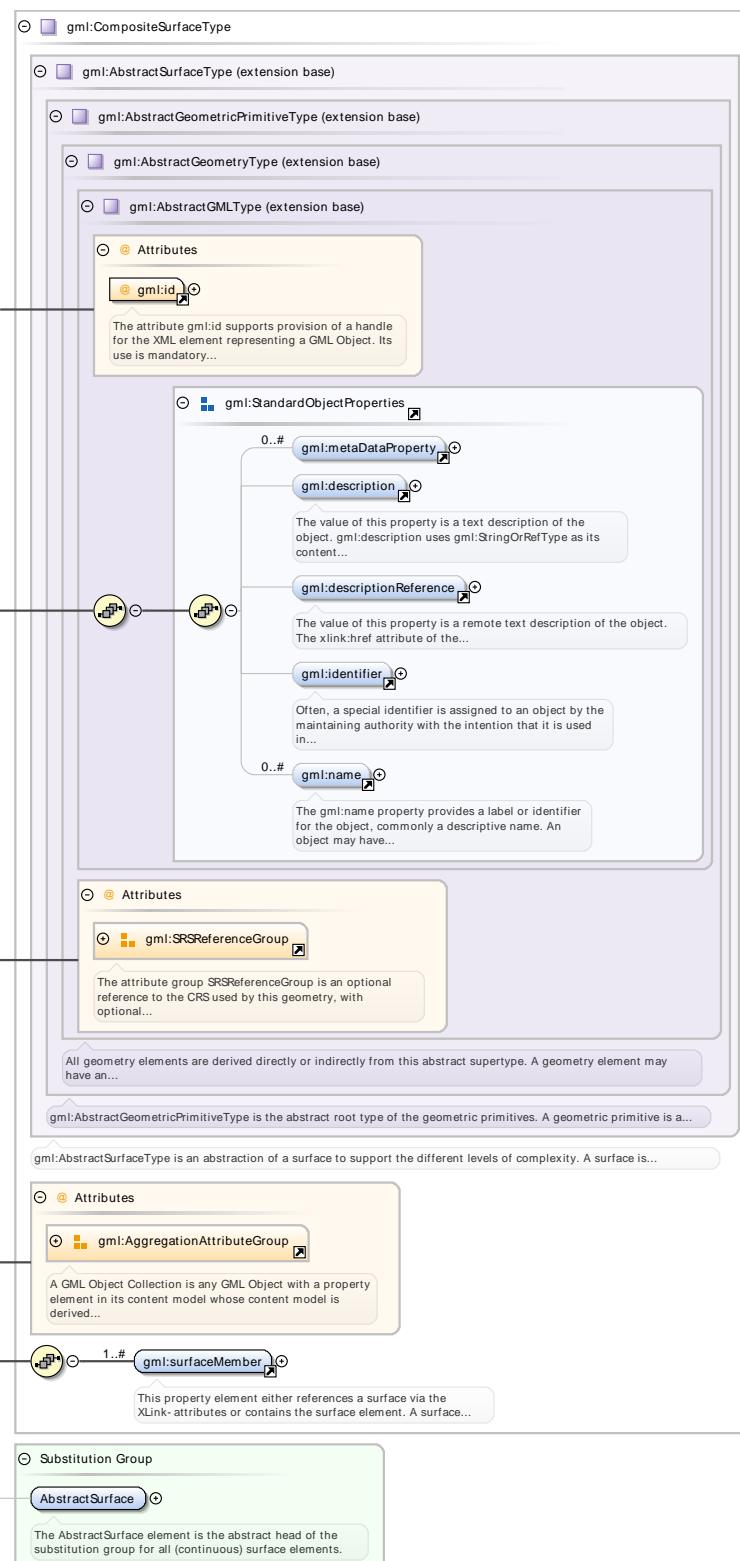
Type	<code>gml:CompositeCurveType</code>									
Properties	content: complex									
Substitution Group Affiliation	• <code>gml:AbstractCurve</code>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
QName	Type	Use								
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional								
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional								

QName	Type	Use	
gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element **gml:CompositeSurface**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:CompositeSurface is represented by a set of orientable surfaces. It is geometry type with all the geometric properties of a (primitive) surface. Essentially, a composite surface is a collection of surfaces that join in pairs on common boundary curves and which, when considered as a whole, form a single surface. surfaceMember references or contains inline one surface in the composite surface. The surfaces are contiguous.

Diagram



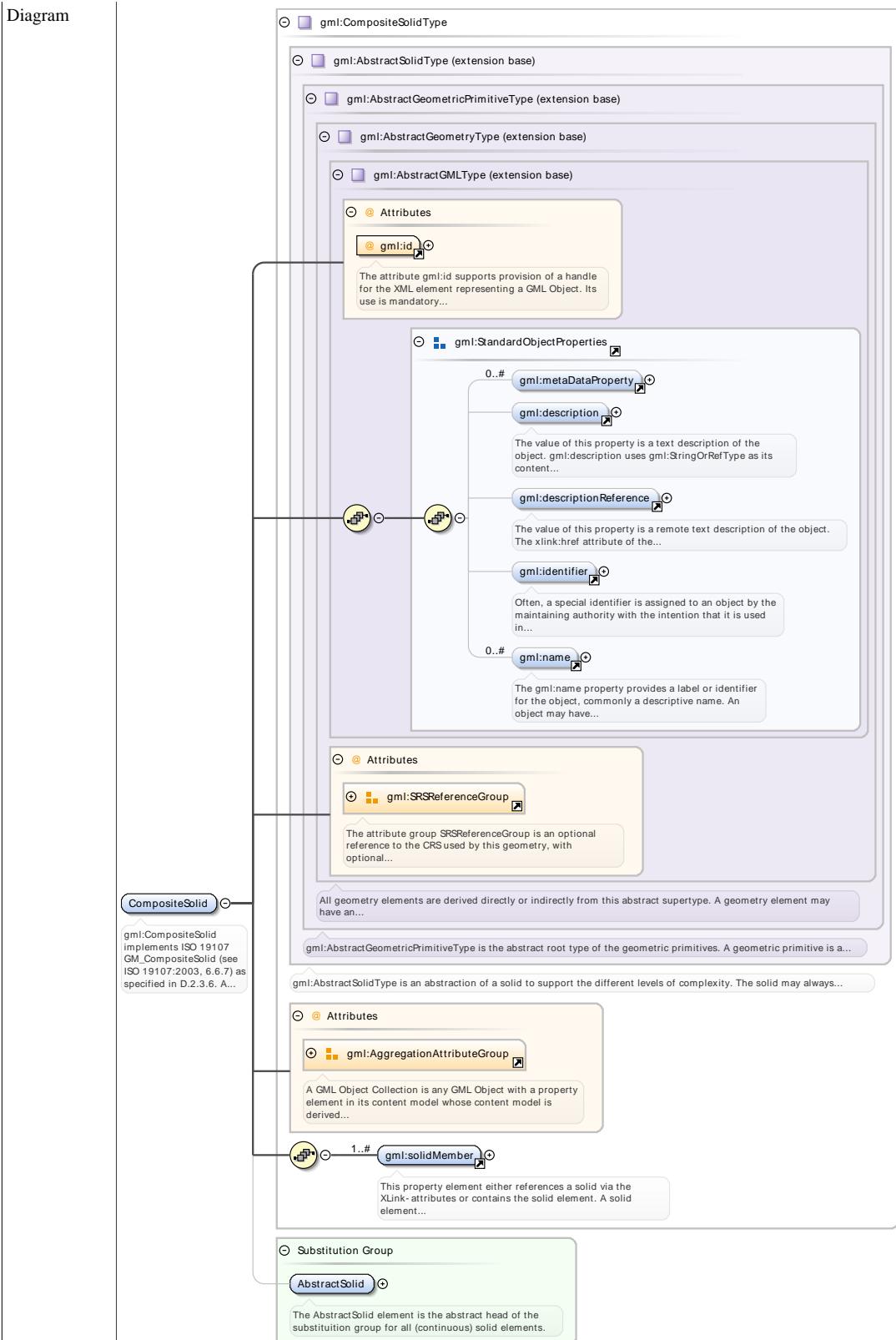
Type	<code>gml:CompositeSurfaceType</code>						
Properties	content: complex						
Substitution Group Affiliation	• <code>gml:AbstractSurface</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
QName	Type	Use					
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional					

QName	Type	Use	
axisLabels	gml:NCNameList	optional	
gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element **gml:CompositeSolid**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:CompositeSolid implements ISO 19107 GM_CompositeSolid (see ISO 19107:2003, 6.6.7) as specified in D.2.3.6. A gml:CompositeSolid is represented by a set of orientable surfaces. It is a geometry type with all the geometric properties of a (primitive) solid. Essentially, a composite solid is a collection of solids that join in pairs on common boundary surfaces and which, when considered as a whole, form a single solid. solidMember references or contains one solid in the composite solid. The solids are contiguous.

Diagram



Type	<code>gml:CompositeSolidType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractSolid</code>

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Element **gml:domainSet**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The gml:domainSet property element describes the spatio-temporal region of interest, within which the coverage is defined. Its content model is given by gml:DomainSetType. The value of the domain is thus a choice between a gml:AbstractGeometry and a gml:AbstractTimeObject. In the instance these abstract elements will normally be substituted by a geometry complex or temporal complex, to represent spatial coverages and time-series, respectively. The presence of the gml:AssociationAttributeGroup means that domainSet follows the usual GML property model and may use the xlink:href attribute to point to the domain, as an alternative to describing the domain inline. Ownership semantics may be provided using the gml:OwnershipAttributeGroup.</p>
Diagram	<p>The diagram illustrates the structure of the gml:DomainSetType element. It is an abstract type (indicated by a yellow icon) that can be substituted by either gml:AbstractGeometry (indicated by a green icon) or gml:AbstractTimeObject (indicated by a blue icon). The gml:AbstractGeometry type is the head of a substitution group for all geometry elements of GML. The gml:AbstractTimeObject type is the head of a substitution group for all temporal primitives and complexes. The gml:DomainSetType also contains an gml:OwnershipAttributeGroup and an gml:AssociationAttributeGroup. The gml:DomainSetType is a property element (indicated by a grey icon) that describes the spatio-temporal region of interest within which the coverage is defined. It is a complex type (indicated by a red icon).</p>
Type	gml:DomainSetType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> gml:multiPointDomain gml:multiCurveDomain gml:multiSurfaceDomain gml:multiSolidDomain gml:gridDomain

	• gml:rectifiedGridDomain					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

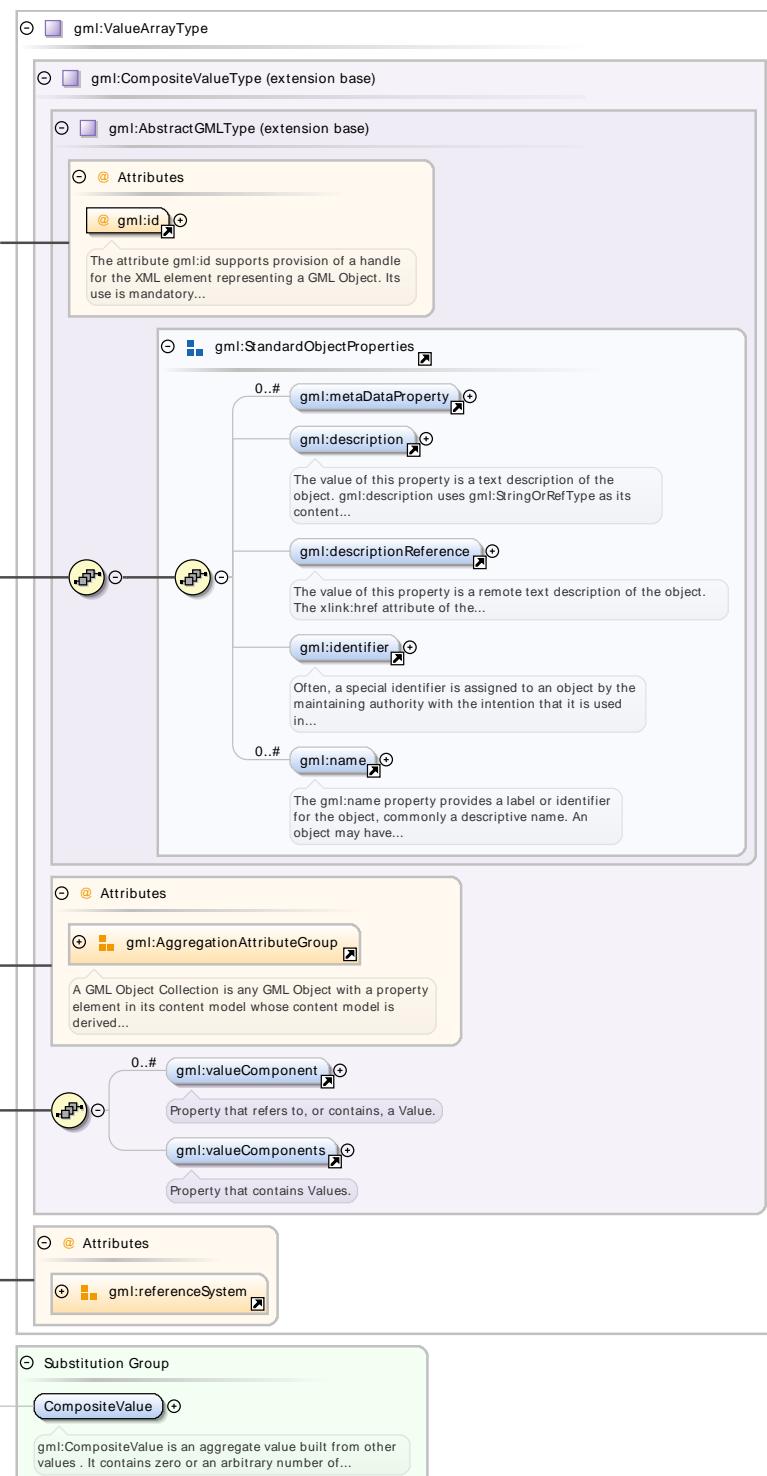
Element **gml:rangeSet**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The gml:rangeSet property element contains the values of the coverage (sometimes called the attribute values). Its content model is given by gml:RangeSetType. This content model supports a structural description of the range. The semantic information describing the range set is embedded using a uniform method, as part of the explicit values, or as a template value accompanying the representation using gml:DataBlock and gml:File. The values from each component (or "band") in the range may be encoded within a gml:ValueArray element or a concrete member of the gml:AbstractScalarValueList substitution group. Use of these elements satisfies the value-type homogeneity requirement.</p>
Diagram	<p>The gml:rangeSet property element contains the values of the coverage (sometimes called the attribute values). Its...</p>
Type	gml:RangeSetType
Properties	content: complex

Element **gml:ValueArray**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A Value Array is used for homogeneous arrays of primitive and aggregate values. The member values may be scalars, composites, arrays or lists. ValueArray has the same content model as CompositeValue, but the member values shall be homogeneous. The element declaration contains a Schematron constraint which expresses this restriction precisely. Since the members are homogeneous, the gml:referenceSystem (uom, codeSpace) may be specified on the gml:ValueArray itself and inherited by all the members if desired.</p>

Diagram



Type	<code>gml:ValueArrayType</code>
Properties	content: complex
Substitution Group	• <code>gml:CompositeValue</code>
Affiliation	

Attributes	QName	Type	Use	
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	
	<code>codeSpace</code>	<code>anyURI</code>	optional	
	<code>gml:id</code>	<code>ID</code>	required	

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
uom	gml:UomIdentifier	optional

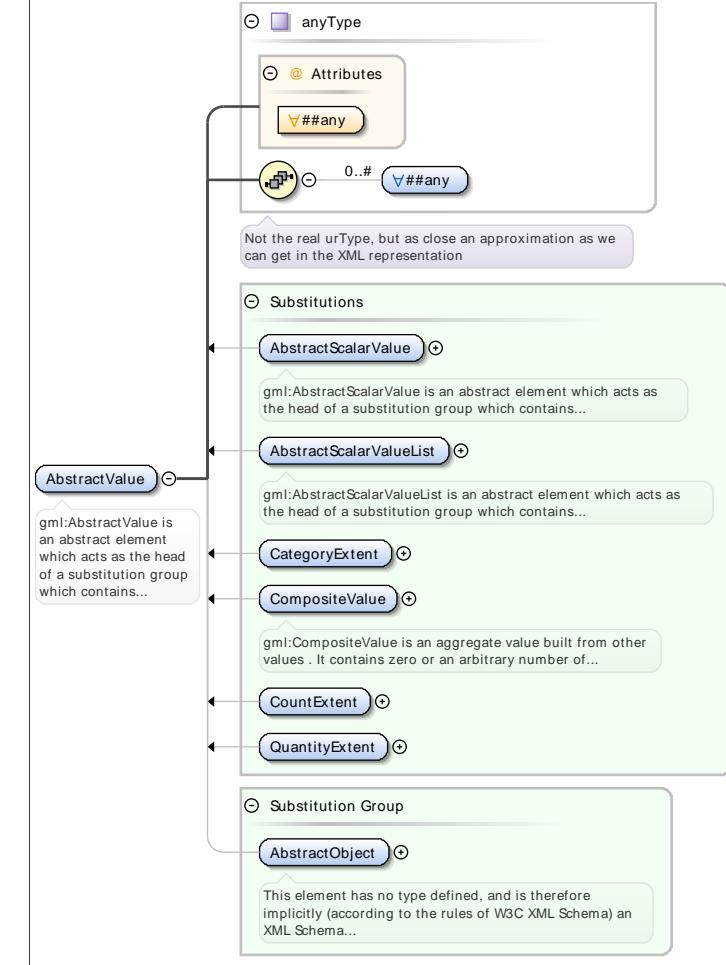
Element **gml:valueComponent**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	Property that refers to, or contains, a Value.																																																							
Diagram	<p>The diagram illustrates the UML class structure for the gml:valueComponent element. It is a property type with attributes for Association and Ownership. It points to the gml:Value class, which is an abstract element. The gml:Value class has three substitution groups: gml:AbstractValue, gml:AbstractGeometry, and gml:AbstractTimeObject. The gml:Null element is also shown as a choice.</p>																																																							
Type	gml:ValuePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:AbstractValue**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:AbstractValue is an abstract element which acts as the head of a substitution group which contains gml:AbstractScalarValue, gml:AbstractScalarValueList, gml:CompositeValue and gml:ValueExtent, and (transitively) the elements in their substitution

groups. These elements may be used in an application schema as variables, so that in an XML instance document any member of its substitution group may occur.

Diagram	 <p>The diagram illustrates the structure of the <code>anyType</code> element. It starts with a <code>anyType</code> element containing attributes and a substitution group. The substitution group contains <code>AbstractScalarValue</code>, <code>AbstractScalarValueList</code>, <code>CategoryExtent</code>, <code>CompositeValue</code>, <code>CountExtent</code>, and <code>QuantityExtent</code>. <code>AbstractValue</code> is the head of the substitution group for <code>anyType</code>. <code>AbstractObject</code> is the head of the substitution group for the <code>anyType</code> element itself. A note states: "Not the real urType, but as close an approximation as we can get in the XML representation".</p>
Properties	<p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>gml:Boolean</code> • <code>gml:Category</code> • <code>gml:Count</code> • <code>gml:Quantity</code> • <code>gml:AbstractScalarValue</code> • <code>gml:BooleanList</code> • <code>gml:CategoryList</code> • <code>gml:CountList</code> • <code>gml:QuantityList</code> • <code>gml:AbstractScalarValueList</code> • <code>gml:CompositeValue</code> • <code>gml:ValueArray</code> • <code>gml:CategoryExtent</code> • <code>gml:CountExtent</code> • <code>gml:QuantityExtent</code>

Substitution Group	• <code>gml:AbstractObject</code>
Affiliation	

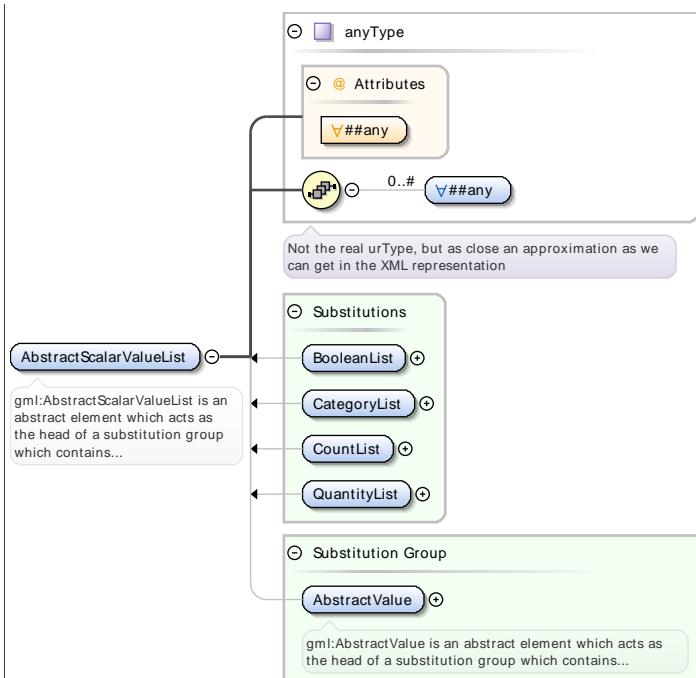
Element `gml:valueComponents`

Namespace	http://www.opengis.net/gml/3.2								
Annotations	Property that contains Values.								
Diagram									
Type	<code>gml:ValueArrayPropertyType</code>								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>owns</code></td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	boolean	false	optional
QName	Type	Default	Use						
<code>owns</code>	boolean	false	optional						

Element `gml:AbstractScalarValueList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:AbstractScalarValueList</code> is an abstract element which acts as the head of a substitution group which contains <code>gml:BooleanList</code> , <code>gml:CategoryList</code> , <code>gml:CountList</code> and <code>gml:QuantityList</code> , and (transitively) the elements in their substitution groups.

Diagram



Properties

abstract: true

Substitution Group

- gml:BooleanList
- gml:CategoryList
- gml:CountList
- gml:QuantityList

Substitution Group Affiliation

- gml:AbstractValue

Element gml:DataBlock

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:DataBlock describes the Range as a block of text encoded values similar to a Common Separated Value (CSV) representation. The range set parameterization is described by the property gml:rangeParameters.
Diagram	<pre> classDiagram gml:DataBlockType { DataBlock gml:rangeParameters gml:tupleList } note over DataBlock: gml:DataBlock describes the Range as a block of text encoded values similar to a Common Separated Value (CSV)... note over gml:tupleList: gml:CoordinatesType consists of a list of coordinate tuples, with each coordinate tuple separated by the ts or tuple... note over gml:doubleOrNilReasonList: gml:doubleOrNilReasonList consists of a list of gml:doubleOrNilReason values, each separated by a whitespace. The... note over SubstitutionGroup: This element has no type defined, and is therefore implicitly (according to the rules of W3C XML Schema) an XML Schema... </pre>
Type	gml:DataBlockType
Properties	content: complex

Substitution Group	• <code>gml:AbstractObject</code>
Affiliation	

Element `gml:rangeParameters`

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the inheritance of <code>gml:rangeParameters</code> from <code>gml:AssociationRoleType</code>. It shows the attributes <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>, along with a note about encoding ownership and a note about XLink components. A reference to <code>##any</code> is also shown.</p>																																																							
Type	<code>gml:AssociationRoleType</code>																																																							
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><code>gml:remoteSchema</code></td> <td><code>anyURI</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td><code>boolean</code></td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	<code>anyURI</code>			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	<code>boolean</code>		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	<code>anyURI</code>			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	<code>boolean</code>		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:tupleList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:CoordinatesType</code> consists of a list of coordinate tuples, with each coordinate tuple separated by the <code>ts</code> or tuple separator (whitespace), and each coordinate in the tuple by the <code>cs</code> or coordinate separator (comma). The <code>gml:tupleList</code> encoding is effectively "band-interleaved".
Diagram	<p>The diagram illustrates the inheritance of <code>gml:tupleList</code> from <code>gml:CoordinatesType</code>. It shows attributes <code>@decimal</code>, <code>@cs</code>, and <code>@ts</code>, along with a note about the deprecation of the type.</p>
Type	<code>gml:CoordinatesType</code>

Properties	content: complex				
Attributes	QName	Type	Default	Use	
	cs	string	,	optional	
	decimal	string	.	optional	
	ts	string		optional	

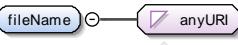
Element **gml:doubleOrNilReasonTupleList**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:doubleOrNilReasonList consists of a list of gml:doubleOrNilReason values, each separated by a whitespace. The gml:doubleOrNilReason values are grouped into tuples where the dimension of each tuple in the list is equal to the number of range parameters.
Diagram	
Type	gml:doubleOrNilReasonList
Properties	content: simple

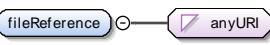
Element **gml:File**

Namespace	http://www.opengis.net/gml/3.2
Annotations	for efficiency reasons, GML also provides a means of encoding the range set in an arbitrary external encoding, such as a binary file. This encoding may be "well-known" but this is not required. This mode uses the gml:File element. The values of the coverage (attribute values in the range set) are transmitted in a external file that is referenced from the XML structure described by gml:FileType. The external file is referenced by the gml:fileReference property that is an anyURI (the gml:fileName property has been deprecated). This means that the external file may be located remotely from the referencing GML instance. The gml:compression property points to a definition of a compression algorithm through an anyURI. This may be a retrievable, computable definition or simply a reference to an unambiguous name for the compression method. The gml:mimeType property points to a definition of the file mime type. The gml:fileStructure property is defined by a codelist. Note further that all values shall be enclosed in a single file. Multi-file structures for values are not supported in GML. The semantics of the range set is described as above using the gml:rangeParameters property. Note that if any compression algorithm is applied, the structure above applies only to the pre-compression or post-decompression structure of the file. Note that the fields within a record match the gml:valueComponents of the gml:CompositeValue in document order.
Diagram	
Type	gml:FileType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractObject

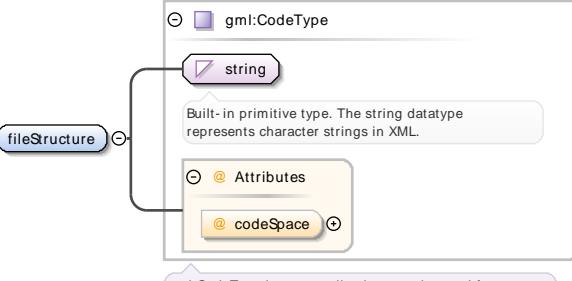
Element `gml:FileType / gml:fileName`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	anyURI
Properties	content: simple

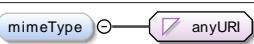
Element `gml:FileType / gml:fileReference`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	anyURI
Properties	content: simple

Element `gml:FileType / gml:fileStructure`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	 <p>gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term,....</p>								
Type	gml:CodeType								
Properties	content: complex								
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Use</td> <td></td> </tr> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> <td></td> </tr> </table>	QName	Type	Use		codeSpace	anyURI	optional	
QName	Type	Use							
codeSpace	anyURI	optional							

Element `gml:FileType / gml:mimeType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>				
Type	anyURI				
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				

Element `gml:FileType / gml:compression`

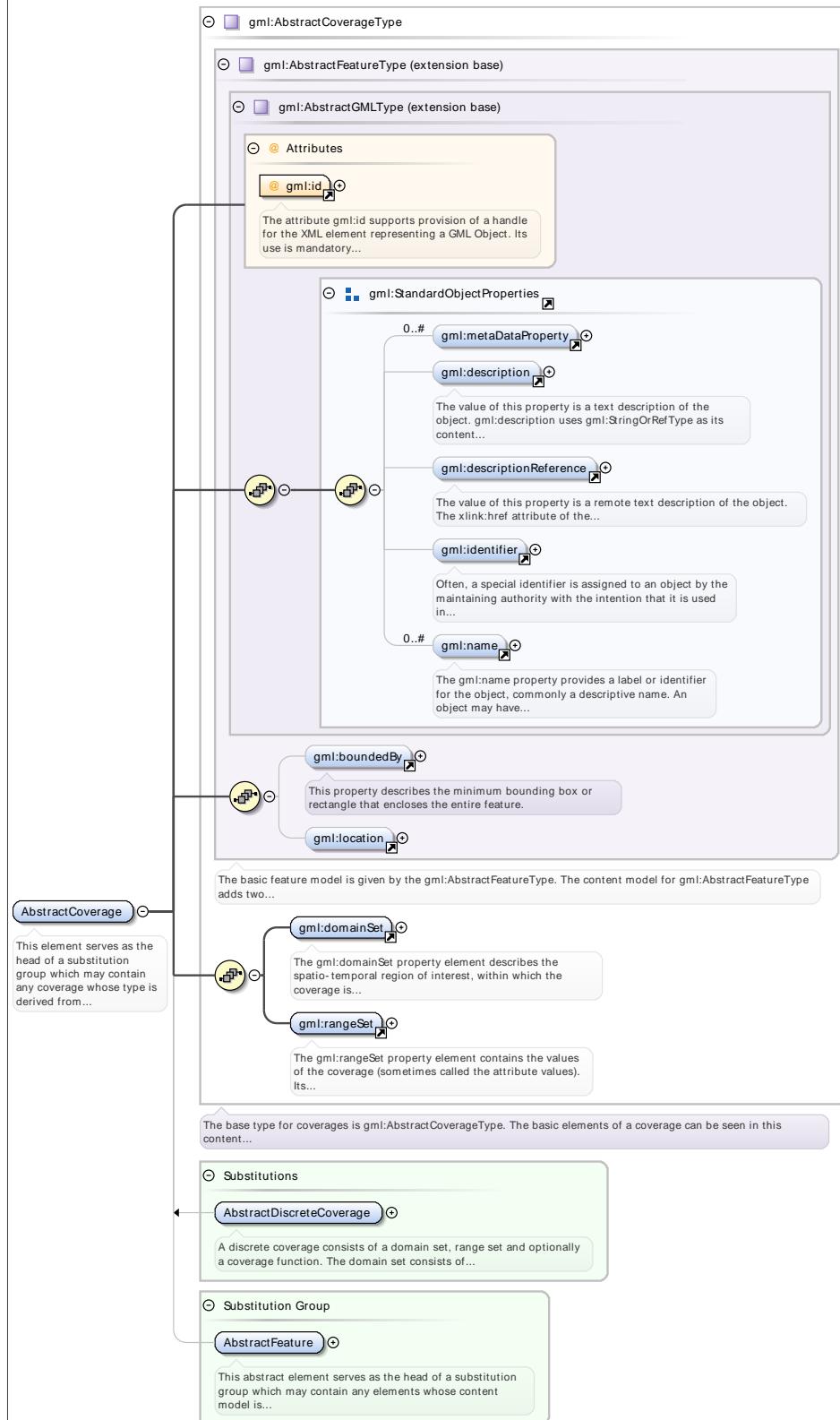
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram					
Type	anyURI				
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				

Element **gml:AbstractCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	This element serves as the head of a substitution group which may contain any coverage whose type is derived from gml:AbstractCoverageType. It may act as a variable in the definition of content models where it is required to permit any coverage to be valid.

Diagram



Type	<code>gml:AbstractCoverageType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>gml:AbstractDiscreteCoverage</code> • <code>gml:MultiPointCoverage</code> • <code>gml:MultiCurveCoverage</code>

	<ul style="list-style-type: none"> • gml:MultiSurfaceCoverage • gml:MultiSolidCoverage • gml:GridCoverage • gml:RectifiedGridCoverage 						
Substitution Group Affiliation	• gml:AbstractFeature						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

Element gml:coverageFunction

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The gml:coverageFunction property describes the mapping function from the domain to the range of the coverage. The value of the CoverageFunction is one of gml:CovarianceMappingRule and gml:GridFunction. If the gml:coverageFunction property is omitted for a gridded coverage (including rectified gridded coverages) the gml:startPoint is assumed to be the value of the gml:low property in the gml:Grid geometry, and the gml:sequenceRule is assumed to be linear and the gml:axisOrder property is assumed to be "+1 +2".</p>
Diagram	
Type	gml:CovarianceFunctionType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractObject

Element gml:MappingRule

Namespace	http://www.opengis.net/gml/3.2
Diagram	

Type	gml:StringOrRefType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:Cov erageMappingRule

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:Cov erageMappingRule provides a formal or informal description of the coverage function. The mapping rule may be defined as an in-line string (gml:ruleDefinition) or via a remote reference through xlink:href (gml:ruleReference). If no rule name is specified, the default is 'Linear' with respect to members of the domain in document order.
Diagram	
Type	gml:MappingRuleType
Properties	content: complex
Substitution Group	• gml:AbstractObject
Affiliation	

Element gml:MappingRuleType / gml:ruleDefinition

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	string
Properties	content: simple

Element gml:MappingRuleType / gml:ruleReference

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of gml:ReferenceType. It shows the element itself, its attributes (ruleReference, gml:OwnershipAttributeGroup, gml:AssociationAttributeGroup), and a note explaining the use of ruleReference for hypertext referencing.</p>																																																							
Type	gml:ReferenceType																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:GridFunction

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:GridFunction provides an explicit mapping rule for grid geometries, i.e. the domain shall be a geometry of type grid. It describes the mapping of grid posts (discrete point grid coverage) or grid cells (discrete surface coverage) to the values in the range set. The gml:startPoint is the index position of a point in the grid that is mapped to the first point in the range set (this is also the index position of the first grid post). If the gml:startPoint property is omitted the gml:startPoint is assumed to be equal to the value of gml:low in the gml:Grid geometry. Subsequent points in the mapping are determined by the value of the gml:sequenceRule.</p>
Diagram	<p>Diagram illustrating the structure of gml:GridFunctionType. It shows the element itself, its attributes (sequenceRule, startPoint), and a note explaining the use of sequenceRule for mapping.</p>
Type	gml:GridFunctionType
Properties	content: complex
Substitution Group	• gml:AbstractObject

Element `gml:GridFunctionType / gml:sequenceRule`

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<pre> sequenceRule --> sequenceRuleEnumeration sequenceRuleEnumeration --> SequenceRuleType SequenceRuleType { @order @axisOrder } Note: The gml:SequenceRuleType is derived from the gml:SequenceRuleEnumeration through the addition of an axisOrder... </pre>									
Type	<code>gml:SequenceRuleType</code>									
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0					
content:	complex									
minOccurs:	0									
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>axisOrder</code></td> <td><code>gml:AxisDirectionList</code></td> <td>optional</td> </tr> <tr> <td><code>order</code></td> <td><code>gml:IncrementOrder</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>axisOrder</code>	<code>gml:AxisDirectionList</code>	optional	<code>order</code>	<code>gml:IncrementOrder</code>	optional
QName	Type	Use								
<code>axisOrder</code>	<code>gml:AxisDirectionList</code>	optional								
<code>order</code>	<code>gml:IncrementOrder</code>	optional								

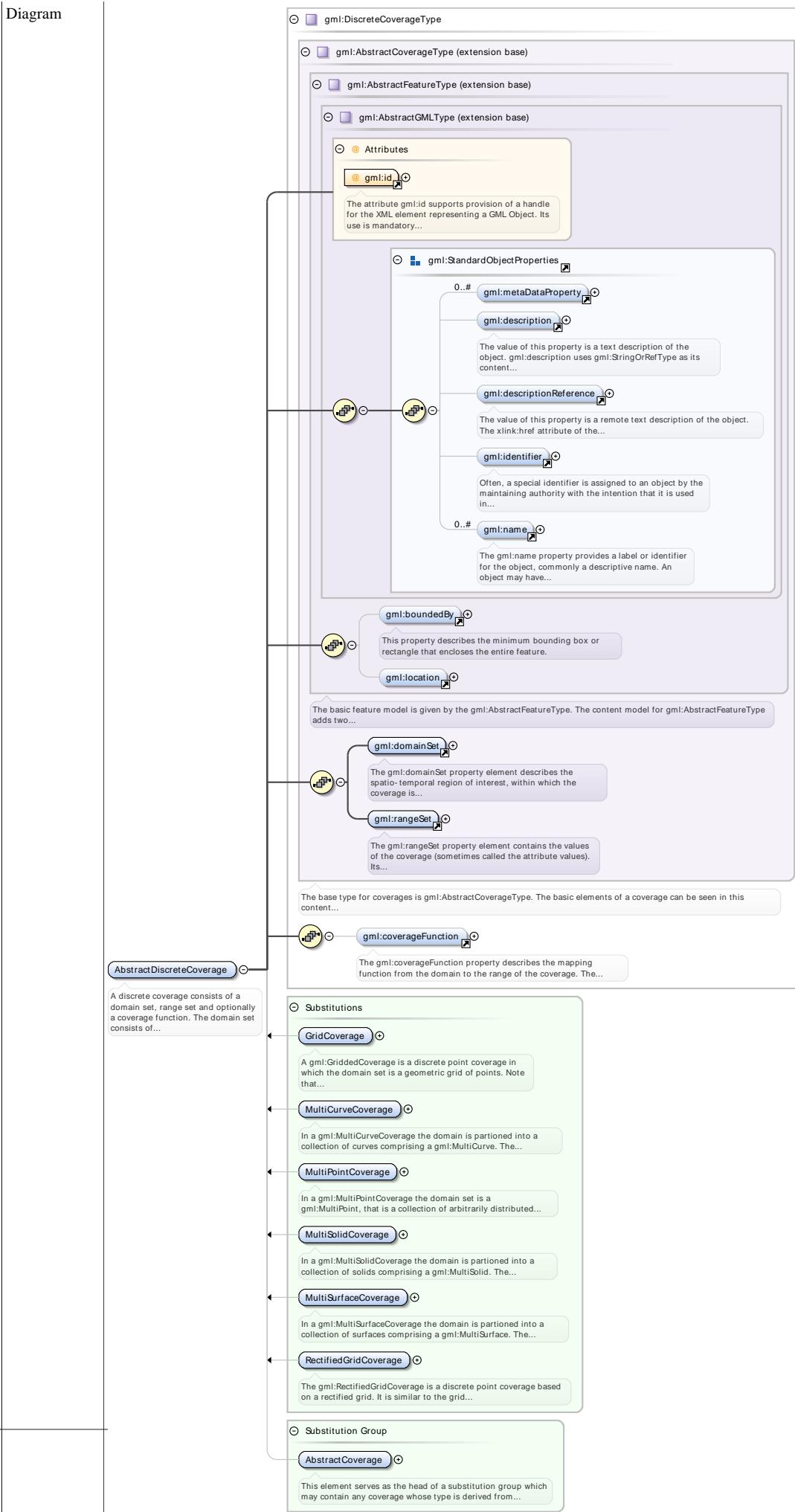
Element `gml:GridFunctionType / gml:startPoint`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<pre> startPoint --> integerList integerList { A type for a list of values of the respective simple type. } </pre>				
Type	<code>gml:integerList</code>				
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				

Element `gml:AbstractDiscreteCoverage`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A discrete coverage consists of a domain set, range set and optionally a coverage function. The domain set consists of either spatial or temporal geometry objects, finite in number. The range set is comprised of a finite number of attribute values each of which is associated to every direct position within any single spatiotemporal object in the domain. In other words, the range values are constant on each spatiotemporal object in the domain. This coverage function maps each element from the coverage domain to an element in its range. The coverageFunction element describes the mapping function. This element serves as the head of a substitution group which may contain any discrete coverage whose type is derived from <code>gml:DiscreteCoverageType</code>.</p>

Diagram

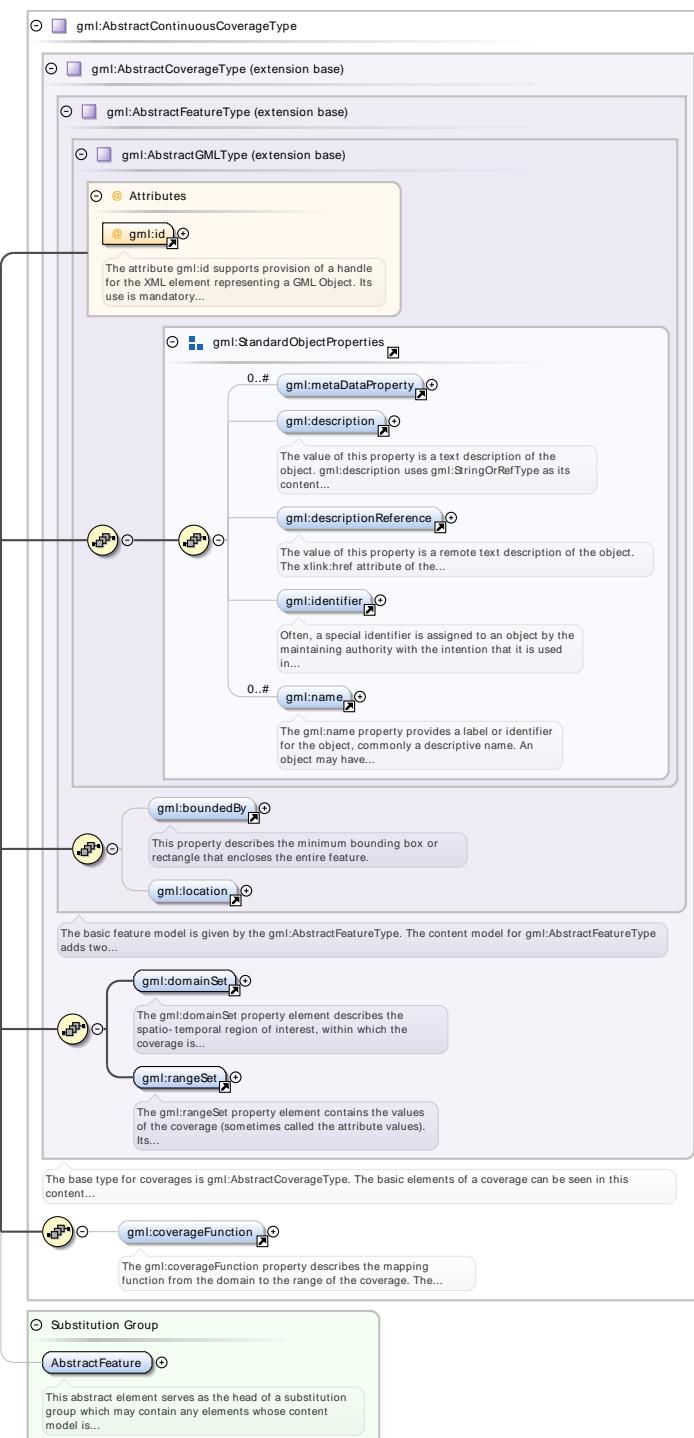


Type	gml:DiscreteCoverageType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:MultiPointCoverage gml:MultiCurveCoverage gml:MultiSurfaceCoverage gml:MultiSolidCoverage gml:GridCoverage gml:RectifiedGridCoverage 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractCoverage 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:AbstractContinuousCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A continuous coverage as defined in ISO 19123 is a coverage that can return different values for the same feature attribute at different direct positions within a single spatiotemporal object in its spatiotemporal domain. The base type for continuous coverages is AbstractContinuousCoverageType. The coverageFunction element describes the mapping function. The abstract element gml:AbstractContinuousCoverage serves as the head of a substitution group which may contain any continuous coverage whose type is derived from gml:AbstractContinuousCoverageType.

Diagram



Type	<code>gml:AbstractContinuousCoverageType</code>									
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									
Substitution Group	• <code>gml:AbstractFeature</code>									
Affiliation										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<code>gml:id</code>	ID	required								
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Element `gml:MultiPointCoverage`

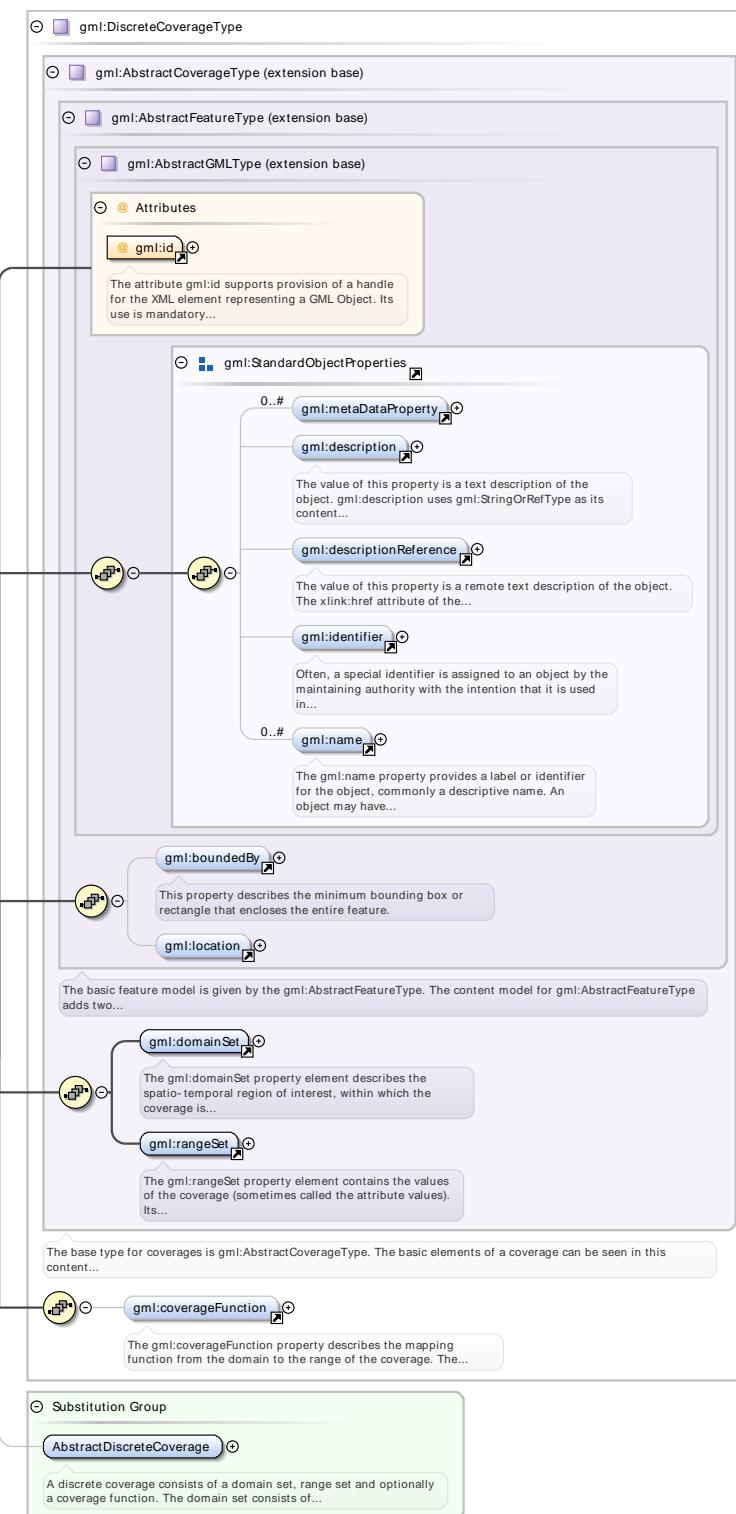
Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>In a <code>gml:MultiPointCoverage</code> the domain set is a <code>gml:MultiPoint</code>, that is a collection of arbitrarily distributed geometric points. The content model is identical with <code>gml:DiscreteCoverageType</code>, but that <code>gml:domainSet</code> shall have values <code>gml:MultiPoint</code>. In a <code>gml:MultiPointCoverage</code> the mapping from the domain to the range is straightforward. - For <code>gml:DataBlock</code> encodings the points of the <code>gml:MultiPoint</code> are mapped in document order to the tuples of the data block. - For <code>gml:CompositeValue</code> encodings the points of the <code>gml:MultiPoint</code> are mapped to the members of the composite value in document order. - For <code>gml:File</code> encodings the points of the <code>gml:MultiPoint</code> are mapped to the records of the file in sequential order.</p>
Diagram	
Type	<code>gml:DiscreteCoverageType</code>

Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractDiscreteCoverage		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:MultiCurveCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>In a gml:MultiCurveCoverage the domain is partitioned into a collection of curves comprising a gml:MultiCurve. The coverage function then maps each curve in the collection to a value in the range set. The content model is identical with gml:DiscreteCoverageType, but that gml:domainSet shall have values gml:MultiCurve. In a gml:MultiCurveCoverage the mapping from the domain to the range is straightforward.</p> <ul style="list-style-type: none"> - For gml:DataBlock encodings the curves of the gml:MultiCurve are mapped in document order to the tuples of the data block. - For gml:CompositeValue encodings the curves of the gml:MultiCurve are mapped to the members of the composite value in document order. - For gml:File encodings the curves of the gml:MultiCurve are mapped to the records of the file in sequential order.

Diagram



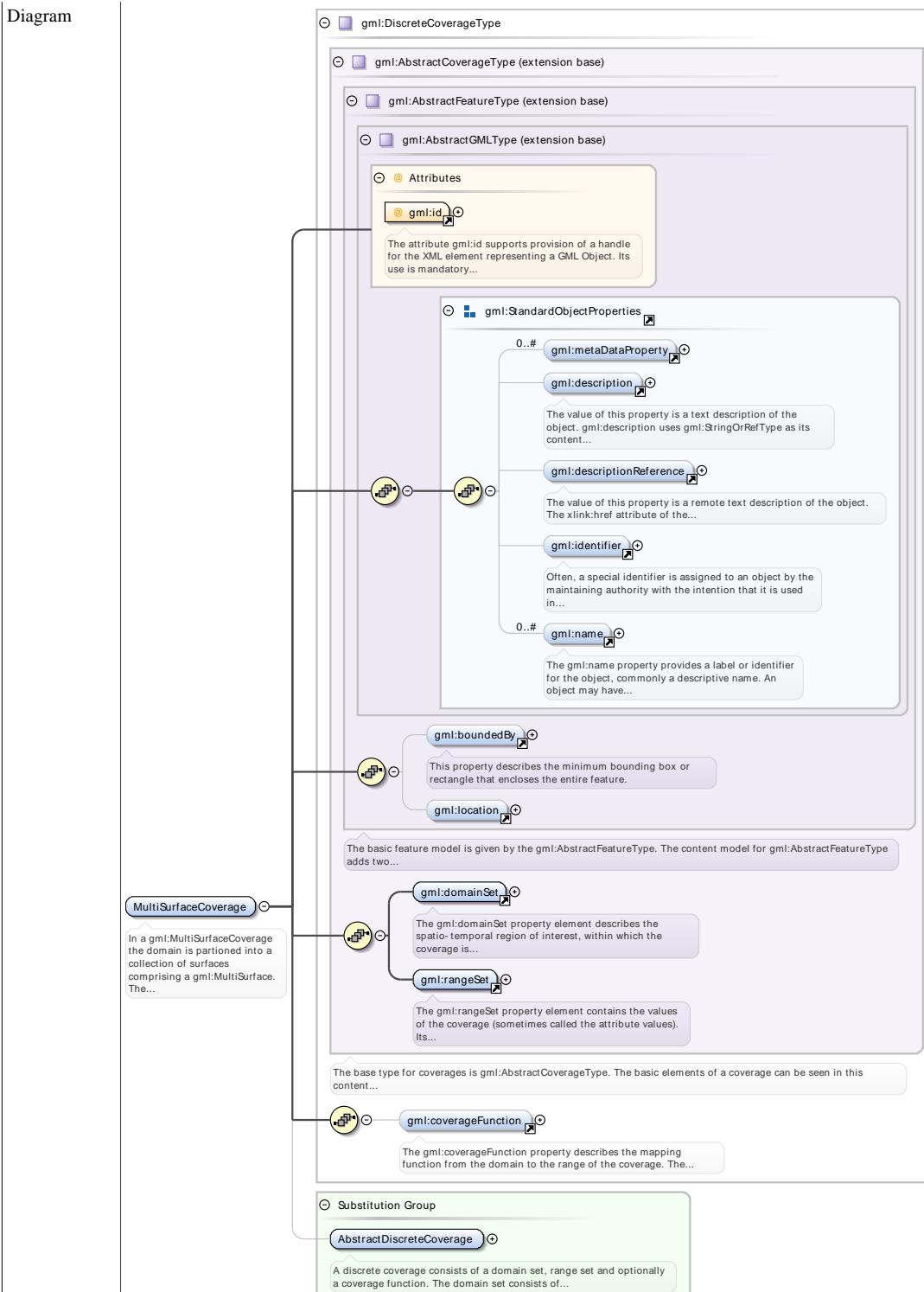
Type	<code>gml:DiscreteCoverageType</code>		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractDiscreteCoverage</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:MultiSurfaceCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>In a gml:MultiSurfaceCoverage the domain is partitioned into a collection of surfaces comprising a gml:MultiSurface. The coverage function then maps each surface in the collection to a value in the range set. The content model is identical with gml:DiscreteCoverageType, but that gml:domainSet shall have values gml:MultiSurface. In a gml:MultiSurfaceCoverage the mapping from the domain to the range is straightforward. - For gml:DataBlock encodings the surfaces of the gml:MultiSurface are mapped in document order to the tuples of the data block. - For gml:CompositeValue encodings the surfaces of the gml:MultiSurface are mapped to the members of the composite value in document order. - For gml:File encodings the surfaces of the gml:MultiSurface are mapped to the records of the file in sequential order.</p>

Diagram



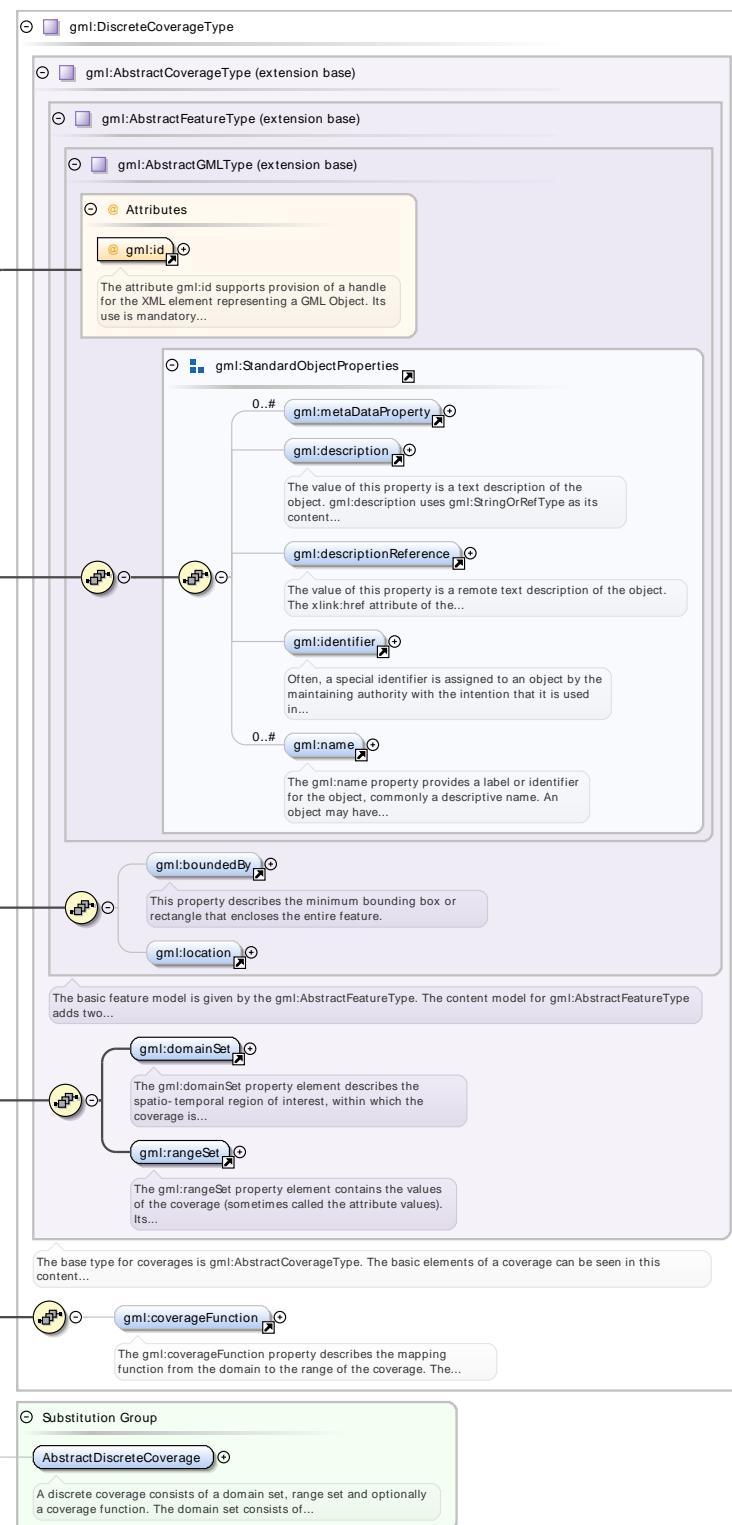
Type	<code>gml:DiscreteCoverageType</code>		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractDiscreteCoverage</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:MultiSolidCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>In a gml:MultiSolidCoverage the domain is partitioned into a collection of solids comprising a gml:MultiSolid. The coverage function than maps each solid in the collection to a value in the range set. The content model is identical with gml:DiscreteCoverageType, but that gml:domainSet shall have values gml:MultiSolid. In a gml:MultiSolidCoverage the mapping from the domain to the range is straightforward.</p> <ul style="list-style-type: none"> - For gml:DataBlock encodings the solids of the gml:MultiSolid are mapped in document order to the tuples of the data block. - For gml:CompositeValue encodings the solids of the gml:MultiSolid are mapped to the members of the composite value in document order. - For gml:File encodings the solids of the gml:MultiSolid are mapped to the records of the file in sequential order.

Diagram



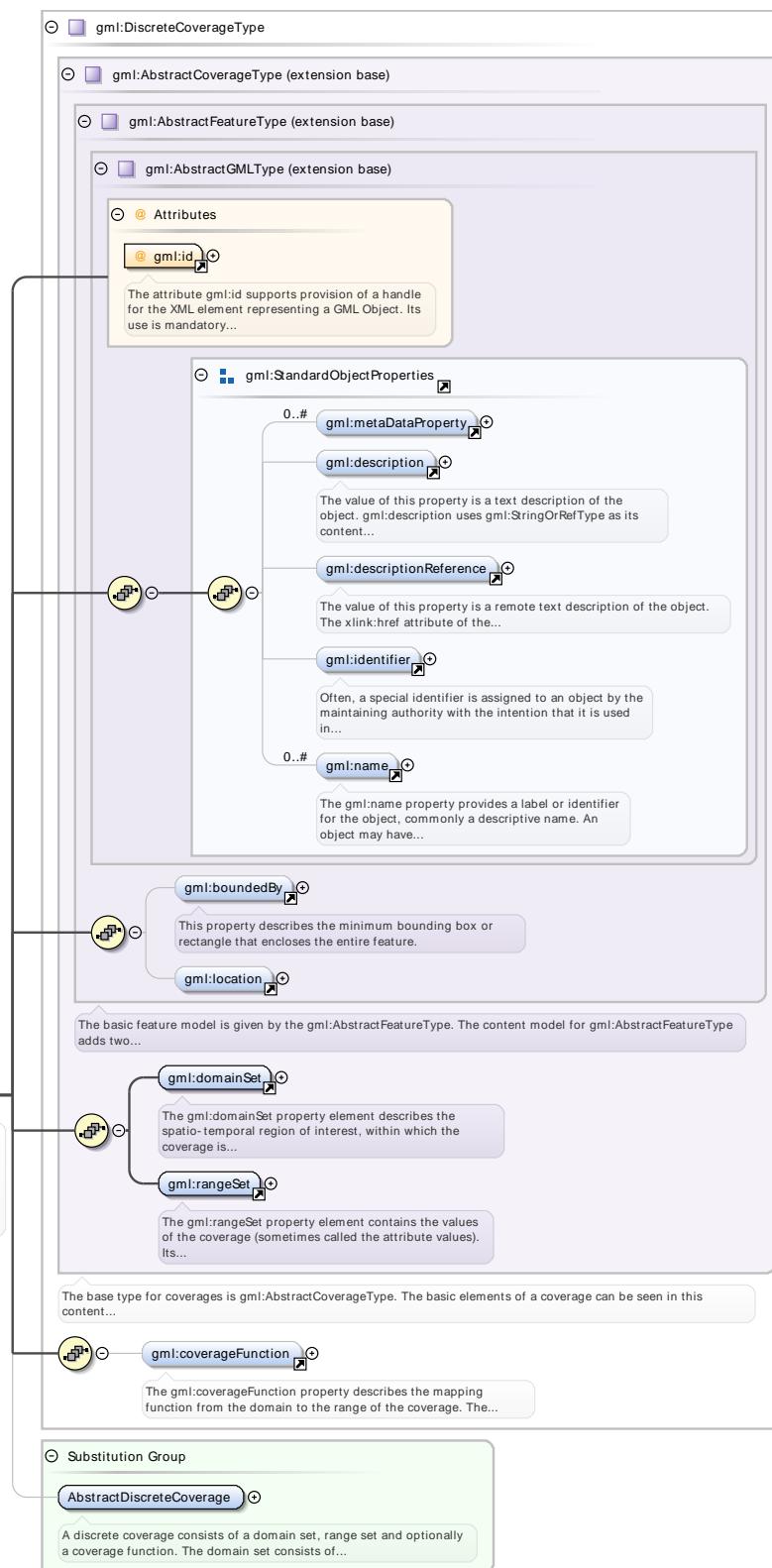
Type	<code>gml:DiscreteCoverageType</code>		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractDiscreteCoverage</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:GridCoverage**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:GriddedCoverage is a discrete point coverage in which the domain set is a geometric grid of points. Note that this is the same as the gml:MultiPointCoverage except that we have a gml:Grid to describe the domain. The simple gridded coverage is not geometrically referenced and hence no geometric positions are assignable to the points in the grid. Such geometric positioning is introduced in the gml:RectifiedGridCoverage.

Diagram



Type	<code>gml:DiscreteCoverageType</code>						
Properties	content: complex						
Substitution Group Affiliation	• <code>gml:AbstractDiscreteCoverage</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

QName	Type	Use
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element `gml:RectifiedGridCoverage`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>gml:RectifiedGridCoverage</code> is a discrete point coverage based on a rectified grid. It is similar to the grid coverage except that the points of the grid are geometrically referenced. The rectified grid coverage has a domain that is a <code>gml:RectifiedGrid</code> geometry.
Diagram	<p>The diagram illustrates the inheritance structure and properties of the <code>gml:RectifiedGridCoverage</code> element. It is an extension of <code>gml:AbstractCoverageType</code>, which itself is an extension of <code>gml:AbstractFeatureType</code>. The <code>gml:RectifiedGridCoverage</code> class has its own properties: <code>gml:metaDataProperty</code> (0..#), <code>gml:boundedBy</code>, <code>gml:location</code>, <code>gml:domainSet</code>, and <code>gml:rangeSet</code>. It also inherits properties from <code>gml:AbstractFeatureType</code> such as <code>gml:id</code>, <code>gml:description</code>, <code>gml:descriptionReference</code>, <code>gml:identifier</code>, and <code>gml:name</code>. The <code>gml:metaDataProperty</code> property is described as a text description of the object, while <code>gml:boundedBy</code> describes the minimum bounding box. The <code>gml:domainSet</code> property describes the spatio-temporal region of interest, and the <code>gml:rangeSet</code> property contains the values of the coverage.</p>
Type	<code>gml:DiscreteCoverageType</code>

Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractDiscreteCoverage 		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:Boolean

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the gml:Boolean element. It is derived from the boolean element, which is a built-in primitive type defining true and false values. The gml:Boolean element also includes attributes for nilReason (of type gml:NilReasonType) and is part of a substitution group that includes the abstract element gml:AbstractScalarValue. A callout box provides a detailed description of the gml:AbstractScalarValue element as an abstract head of a substitution group.</p>		
Type	extension of boolean		
Properties	<p>content: complex</p> <p>nillable: true</p>		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValue 		
Attributes	QName	Type	Use
	nilReason	gml:NilReasonType	optional

Element gml:BooleanList

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the gml:BooleanList element. It is derived from the gml:booleanOrNilReasonList element, which is a type for a list of values of the respective simple type. The gml:BooleanList element is part of a substitution group that includes the abstract element gml:AbstractScalarValueList. A callout box provides a detailed description of the gml:AbstractScalarValueList element as an abstract head of a substitution group.</p>		
Type	gml:booleanOrNilReasonList		
Properties	content: simple		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValueList 		

Element gml:Category

Namespace	http://www.opengis.net/gml/3.2		
Annotations	A gml:Category has an optional XML attribute codeSpace, whose value is a URI which identifies a dictionary, codelist or authority for the term.		

Diagram										
Type	extension of gml:CodeType									
Properties	<p>content: complex</p> <p>nillable: true</p>									
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValue 									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional	nilReason	gml:NilReasonType	optional
QName	Type	Use								
codeSpace	anyURI	optional								
nilReason	gml:NilReasonType	optional								

Element gml:CategoryList

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:CodeOrNilReasonListType						
Properties	<p>content: complex</p>						
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValueList 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional
QName	Type	Use					
codeSpace	anyURI	optional					

Element `gml:Count`

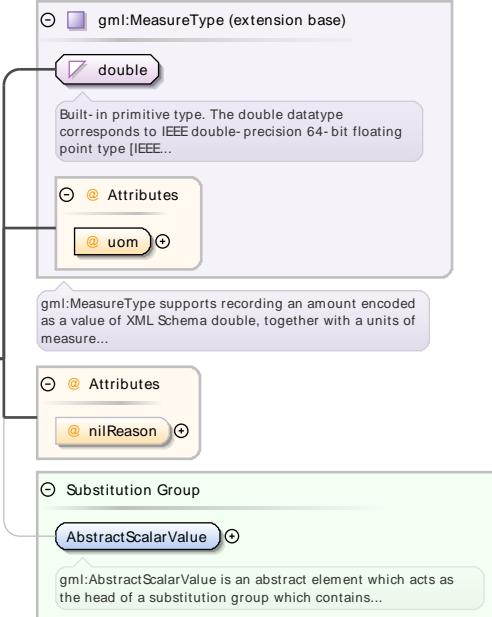
Namespace	http://www.opengis.net/gml/3.2							
Diagram	<p>The diagram illustrates the structure of the <code>gml:Count</code> element. It is derived from the <code>integer</code> type. The <code>Count</code> element has attributes <code>@nilReason</code> and <code>@nilReasonType</code>. It also belongs to a substitution group led by <code>AbstractScalarValue</code>, which is an abstract element that acts as the head of a substitution group containing <code>gml:AbstractScalarValue</code>.</p>							
Type	extension of <code>integer</code>							
Properties	<p>content: <code>complex</code> nillable: <code>true</code></p>							
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractScalarValue</code> 							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td>optional</td> </tr> </tbody> </table>		QName	Type	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>	optional
QName	Type	Use						
<code>nilReason</code>	<code>gml:NilReasonType</code>	optional						

Element `gml:CountList`

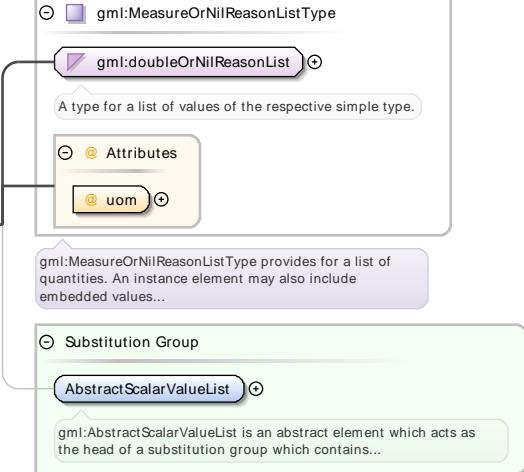
Namespace	http://www.opengis.net/gml/3.2	
Diagram	<p>The diagram illustrates the structure of the <code>gml:CountList</code> element. It is derived from the <code>gml:integerOrNilReasonList</code> type. The <code>CountList</code> element has attributes <code>@nilReason</code> and <code>@nilReasonType</code>. It also belongs to a substitution group led by <code>AbstractScalarValueList</code>, which is an abstract element that acts as the head of a substitution group containing <code>gml:AbstractScalarValueList</code>.</p>	
Type	<code>gml:integerOrNilReasonList</code>	
Properties	<p>content: <code>simple</code></p>	
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractScalarValueList</code> 	

Element `gml:Quantity`

Namespace	http://www.opengis.net/gml/3.2	
Annotations	<p>An XML attribute <code>uom</code> ("unit of measure") is required, whose value is a URI which identifies the definition of a ratio scale or units by which the numeric value shall be multiplied, or an interval or position scale on which the value occurs.</p>	

Diagram										
Type	extension of gml:MeasureType									
Properties	content: complex nillable: true									
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValue 									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td>optional</td></tr> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	nilReason	gml:NilReasonType	optional	uom	gml:UomIdentifier	required
QName	Type	Use								
nilReason	gml:NilReasonType	optional								
uom	gml:UomIdentifier	required								

Element gml:QuantityList

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:MeasureOrNilReasonListType						
Properties	content: complex						
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractScalarValueList 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

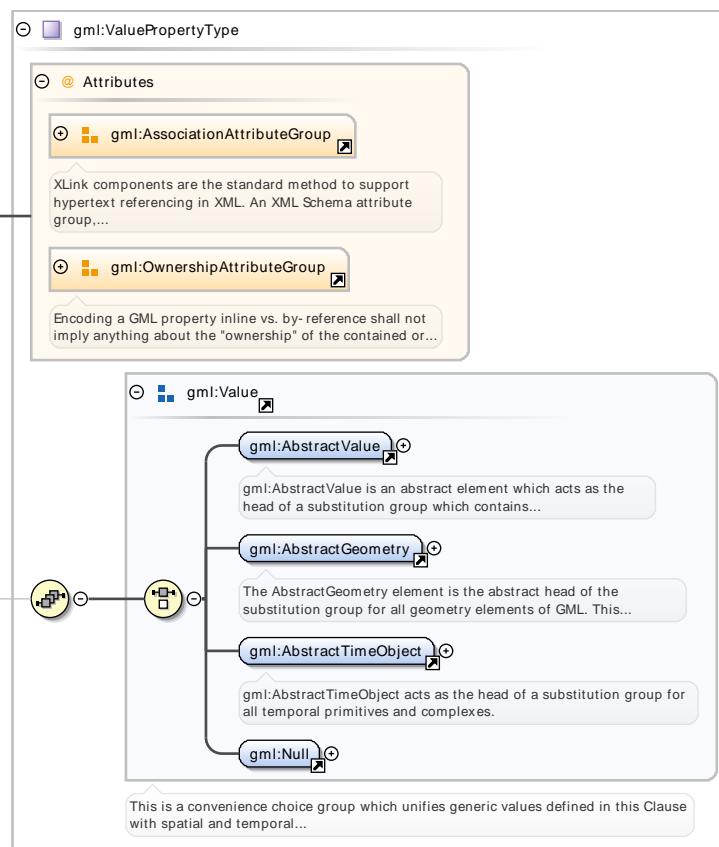
Element `gml:AbstractScalarValue`

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:AbstractScalarValue is an abstract element which acts as the head of a substitution group which contains gml:Boolean, gml:Category, gml:Count and gml:Quantity, and (transitively) the elements in their substitution groups.
Diagram	<p>The diagram illustrates the UML class structure for <code>gml:AbstractScalarValue</code>. It starts with a general class <code>anyType</code> (represented by a purple rounded rectangle). An association line connects <code>anyType</code> to <code>AbstractScalarValue</code> (represented by a blue rounded rectangle). The association is marked with an open diamond at the <code>anyType</code> end and a multiplicity of <code>0..#</code> at the <code>AbstractScalarValue</code> end. A note below this association states: "Not the real urType, but as close an approximation as we can get in the XML representation". The <code>AbstractScalarValue</code> class has four substitution group members: <code>Boolean</code>, <code>Category</code>, <code>Count</code>, and <code>Quantity</code> (all represented by blue rounded rectangles with a plus sign). Each of these members has a note: "A gml:Category has an optional XML attribute codeSpace, whose value is a URL which identifies a dictionary, codelist or...", "An XML attribute uom ("unit of measure") is required, whose value is a URI which identifies the definition of a ratio...", and "gml:AbstractValue is an abstract element which acts as the head of a substitution group which contains...". Finally, <code>AbstractScalarValue</code> is part of a substitution group for <code>AbstractValue</code> (represented by a blue rounded rectangle with a plus sign).</p>
Properties	abstract: true
Substitution Group	<ul style="list-style-type: none"> • <code>gml:Boolean</code> • <code>gml:Category</code> • <code>gml:Count</code> • <code>gml:Quantity</code>
Substitution Group Affiliation	• <code>gml:AbstractValue</code>

Element `gml:valueProperty`

Namespace	http://www.opengis.net/gml/3.2
Annotations	Property that refers to, or contains, a Value. Convenience element for general use.

Diagram

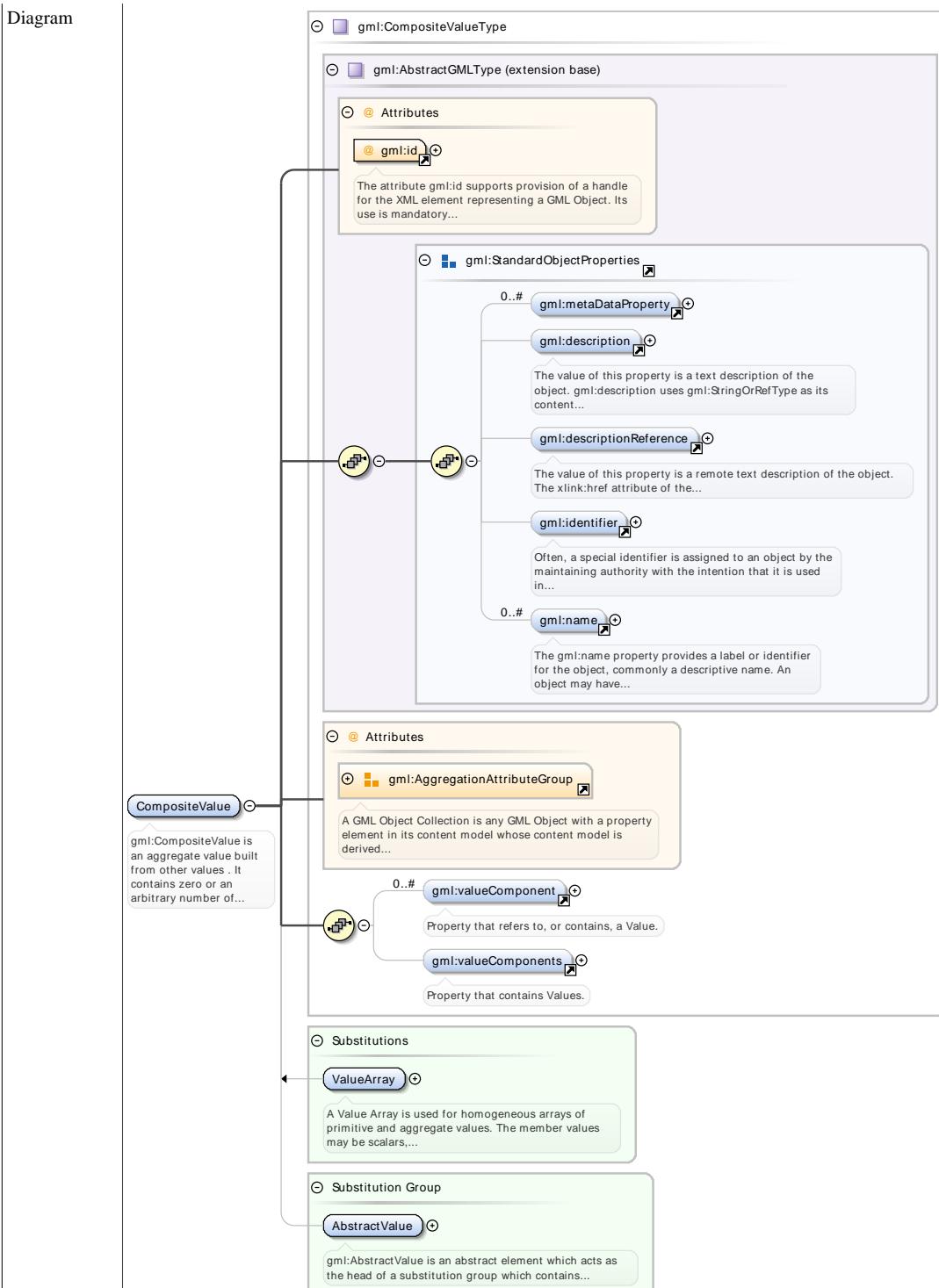


Type	<code>gml:ValuePropertyType</code>				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:CompositeValue`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:CompositeValue</code> is an aggregate value built from other values . It contains zero or an arbitrary number of <code>gml:valueComponent</code> elements, and zero or one <code>gml:valueComponents</code> property elements. It may be used for strongly coupled aggregates (vectors, tensors) or for arbitrary collections of values.

Diagram



Type	<code>gml:CompositeValueType</code>									
Properties	content: complex									
Substitution Group	<ul style="list-style-type: none"> • <code>gml:ValueArray</code> 									
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractValue</code> 									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	<code>gml:id</code>	ID	required
QName	Type	Use								
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional								
<code>gml:id</code>	ID	required								

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:CategoryExtent**

Namespace	http://www.opengis.net/gml/3.2								
Diagram									
Type	gml:CategoryExtentType								
Properties	content: complex								
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractValue 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional		
QName	Type	Use							
codeSpace	anyURI	optional							

Element **gml:CountExtent**

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:CountExtentType		
Properties	content: simple		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractValue 		

Element **gml:QuantityExtent**

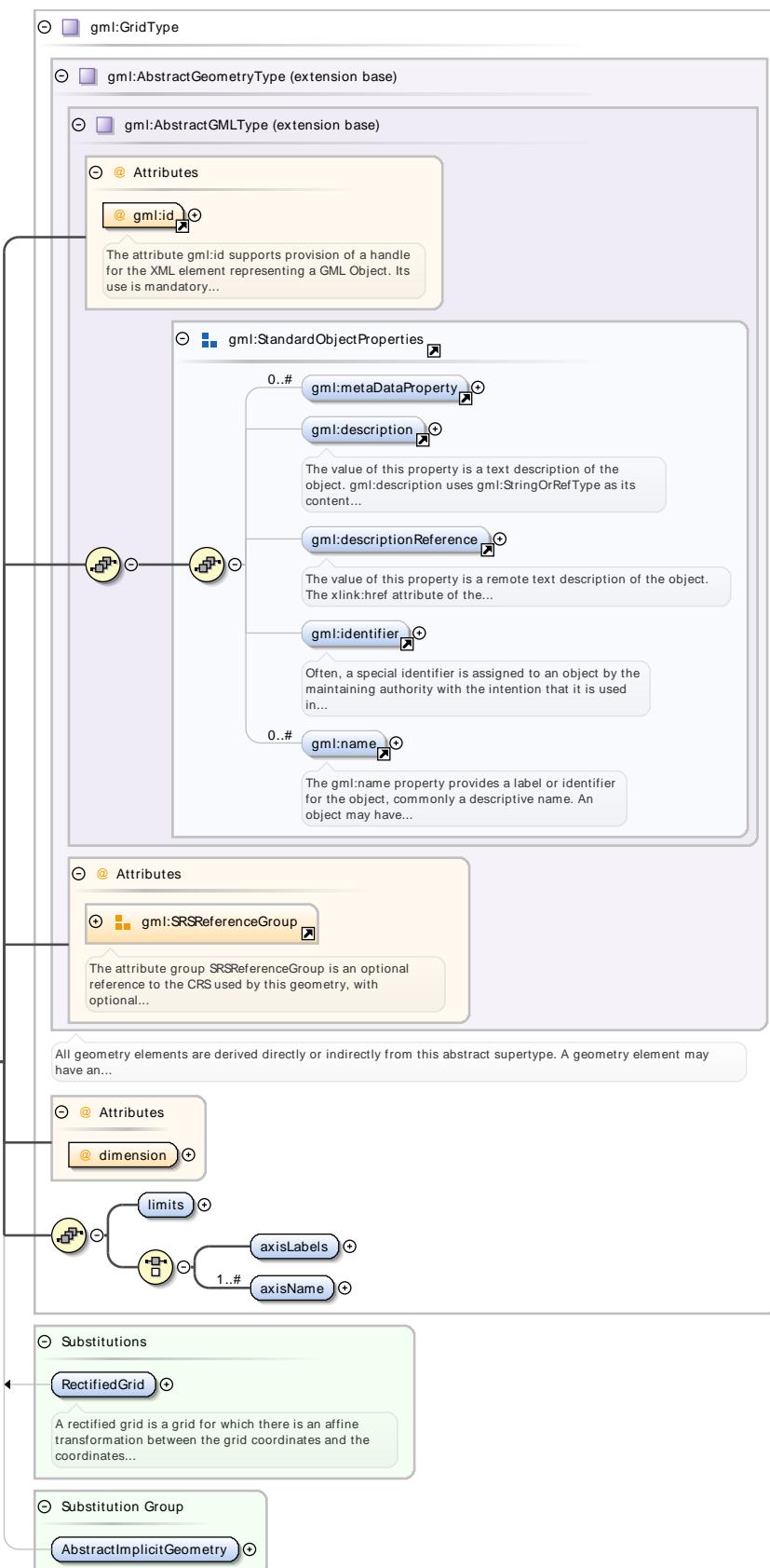
Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram							
Type	gml:QuantityExtentType						
Properties	content: complex						
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractValue 						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">QName</th><th style="text-align: left;">Type</th><th style="text-align: left;">Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

Element **gml:Grid**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The gml:Grid implicitly defines an unrectified grid, which is a network composed of two or more sets of curves in which the members of each set intersect the members of the other sets in an algorithmic way. The region of interest within the grid is given in terms of its gml:limits, being the grid coordinates of diagonally opposed corners of a rectangular region. gml:axisLabels is provided with a list of labels of the axes of the grid (gml:axisName has been deprecated). gml:dimension specifies the dimension of the grid. The gml:limits element contains a single gml:GridEnvelope. The gml:low and gml:high property elements of the envelope are each integerLists, which are coordinate tuples, the coordinates being measured as offsets from the origin of the grid along each axis, of the diagonally opposing corners of a "rectangular" region of interest.</p>

Diagram



Type	<code>gml:GridType</code>
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • <code>gml:RectifiedGrid</code>

Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:AbstractImplicitGeometry 			
Attributes	QName	Type	Use	
	axisLabels	gml:NCNameList	optional	
	dimension	positiveInteger	required	
	gml:id	ID	required	
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>			
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	

Element gml:GridType / gml:limits

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:GridLimitsType
Properties	content: complex

Element gml:GridLimitsType / gml:GridEnvelope

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:GridEnvelopeType
Properties	content: complex

Element gml:GridEnvelopeType / gml:low

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>A type for a list of values of the respective simple type.</p>
Type	gml:integerList
Properties	content: simple

Element gml:GridEnvelopeType / gml:high

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>A type for a list of values of the respective simple type.</p>
Type	gml:integerList
Properties	content: simple

Element gml:GridType / gml:axisLabels

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<pre> graph LR axisLabels --> NCNameList subgraph NCNameList direction LR NCNameList --> NCNameList end </pre> <p>A type for a list of values of the respective simple type.</p>
Type	gml:NCNameList
Properties	content: simple

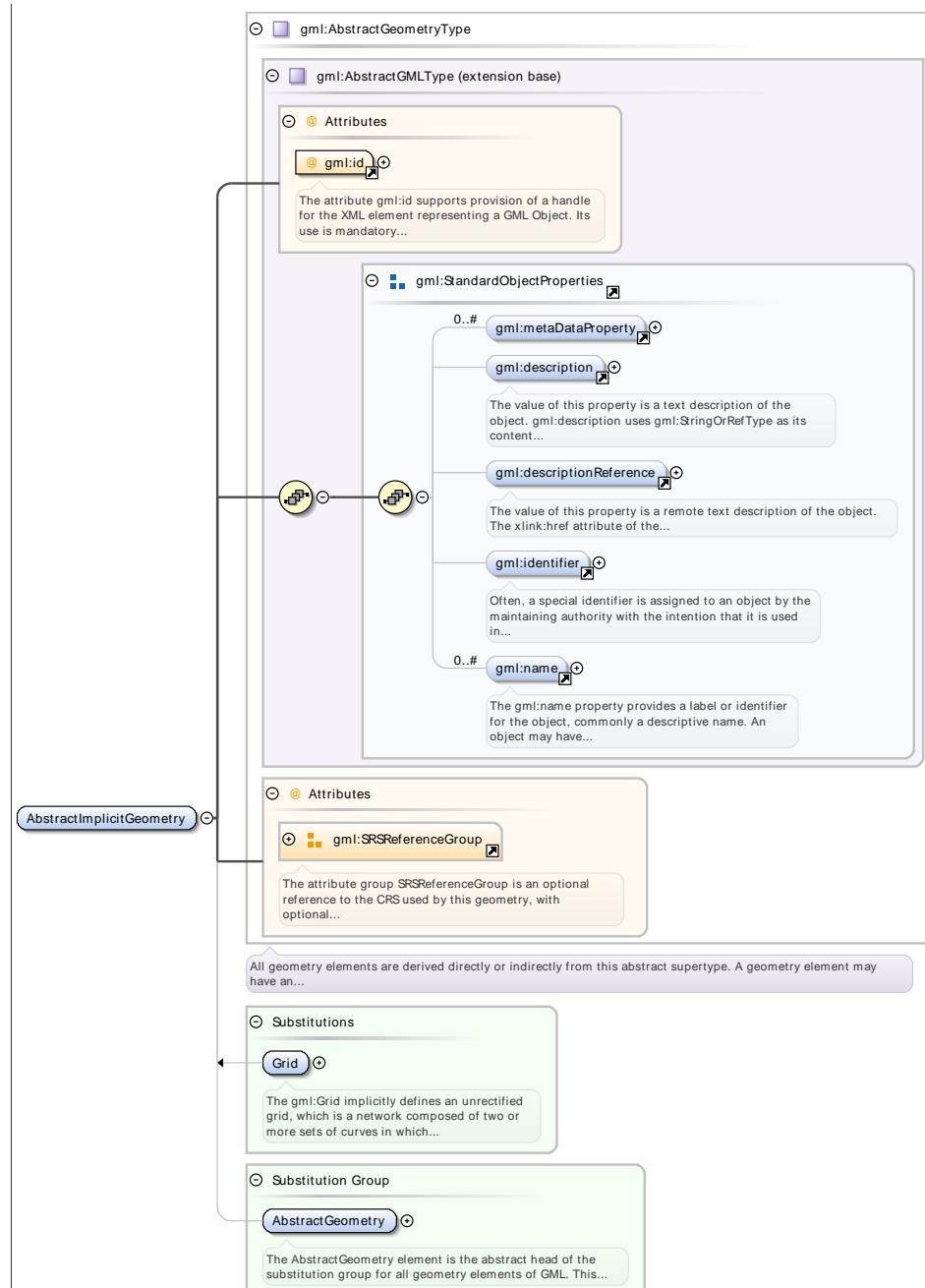
Element **gml:GridType** / **gml:axisName**

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<pre> graph LR axisName --> string </pre> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	string				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	maxOccurs:	unbounded
content:	simple				
maxOccurs:	unbounded				

Element **gml:AbstractImplicitGeometry**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



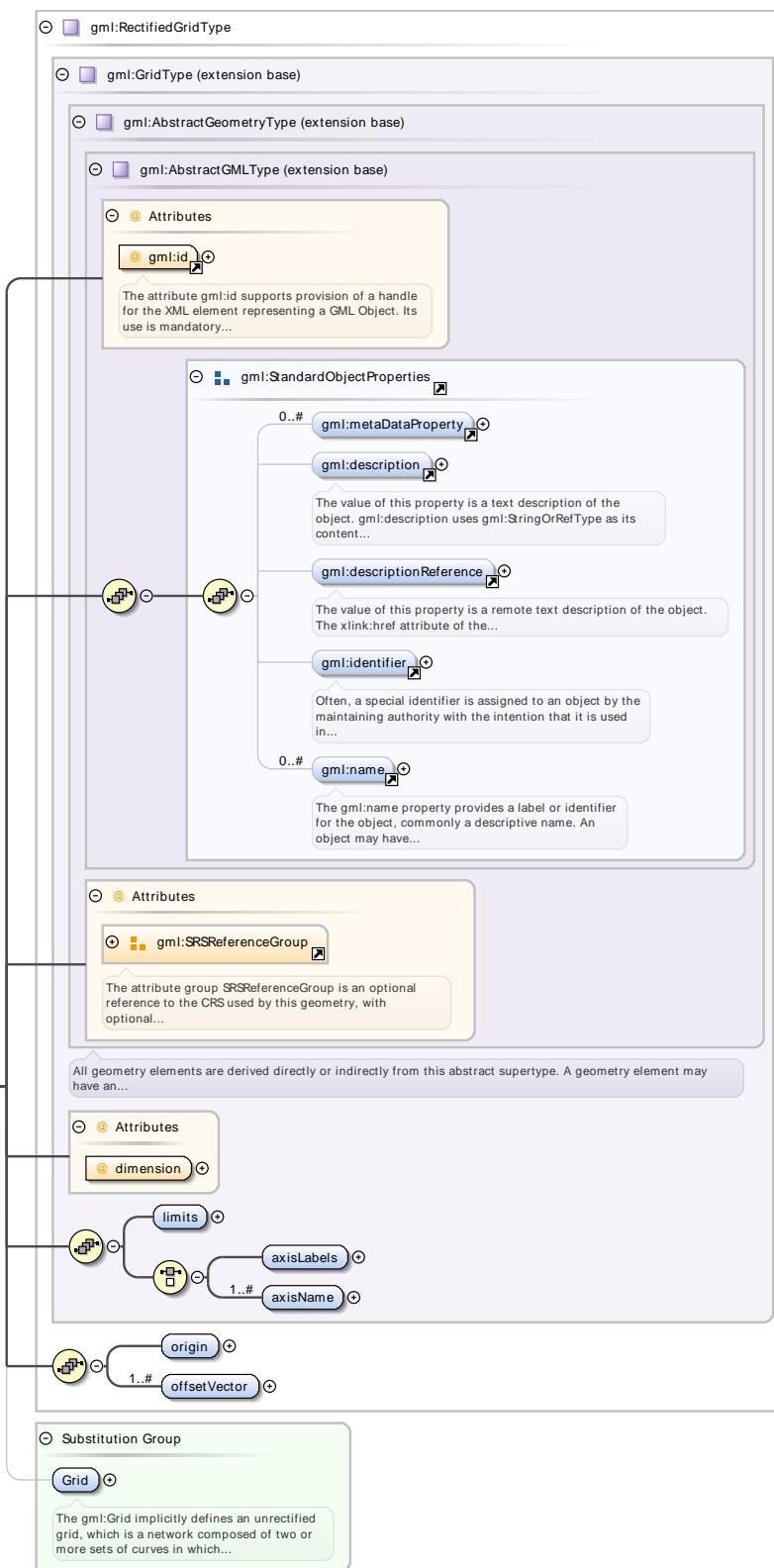
Type	<code>gml:AbstractGeometryType</code>		
Properties	<p>content: <code>complex</code></p> <p>abstract: <code>true</code></p>		
Substitution Group	<ul style="list-style-type: none"> <code>gml:Grid</code> <code>gml:RectifiedGrid</code> 		
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractGeometry</code> 		
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>		

QName	Type	Use	
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element **gml:RectifiedGrid**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A rectified grid is a grid for which there is an affine transformation between the grid coordinates and the coordinates of an external coordinate reference system. It is defined by specifying the position (in some geometric space) of the grid "origin" and of the vectors that specify the post locations. Note that the grid limits (post indexes) and axis name properties are inherited from gml:GridType and that gml:RectifiedGrid adds a gml:origin property (contains or references a gml:Point) and a set of gml:offsetVector properties.

Diagram



Type	<code>gml:RectifiedGridType</code>
------	------------------------------------

Properties	content: complex
------------	------------------

Substitution Group Affiliation	• <code>gml:Grid</code>
--------------------------------	-------------------------

Attributes	QName	Type	Use	
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	

QName	Type	Use	
dimension	positiveInteger	required	
gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Element **gml:RectifiedGridType / gml:origin**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:PointPropertyType element. It shows a central box for gml:PointPropertyType with an attribute origin and a reference to gml:Point. The gml:Point reference is associated with a gml:Point element, which is described as a "Point is defined by a single coordinate tuple. The direct position of a point is specified by the pos element which..."</p>																																																							
Type	gml:PointPropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:RectifiedGridType / gml:offsetVector**

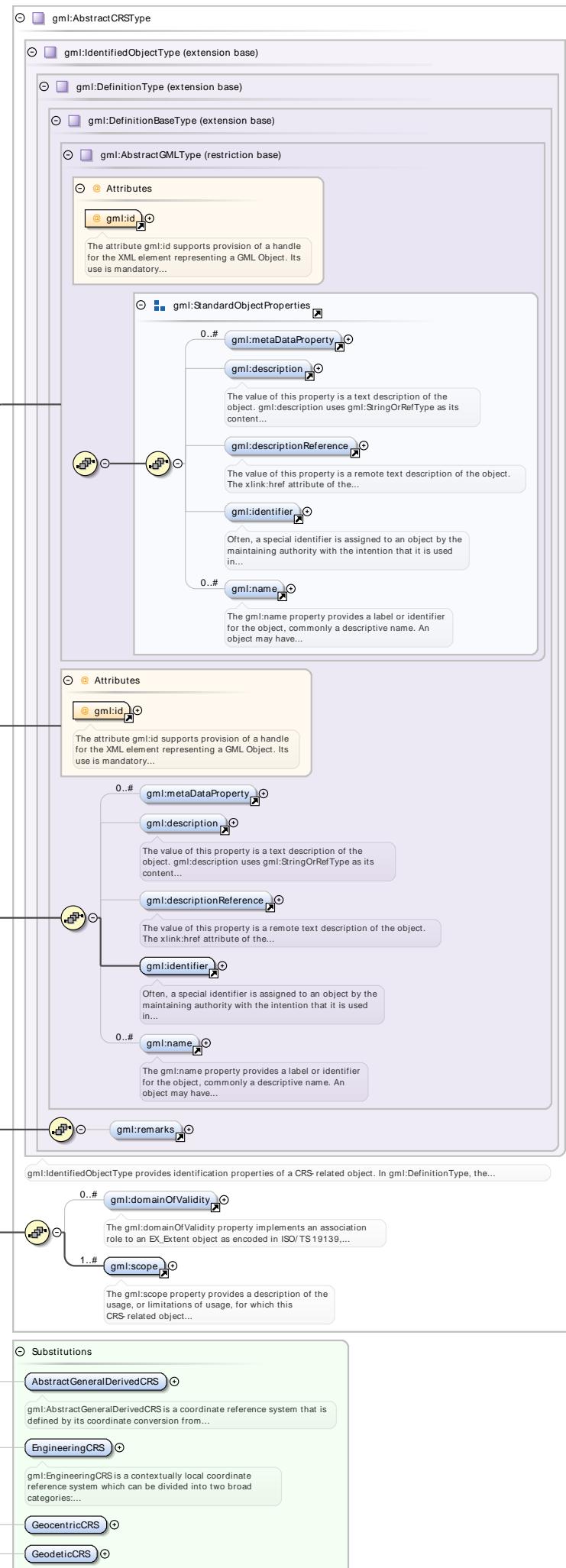
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																					
Type	gml:VectorType																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded																
content:	complex																				
maxOccurs:	unbounded																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">QName</th><th style="width: 30%;">Type</th><th style="width: 10%;">Use</th><th style="width: 30%;"></th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td><td></td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td><td></td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
QName	Type	Use																			
axisLabels	gml:NCNameList	optional																			
srsDimension	positiveInteger	optional																			
srsName	anyURI	optional																			
uomLabels	gml:NCNameList	optional																			

Element gml:AbstractSingleCRS

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:AbstractSingleCRS implements a coordinate reference system consisting of one coordinate system and one datum (as opposed to a Compound CRS).

Diagram



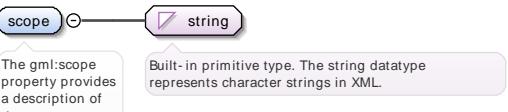
Type	gml:AbstractCRSType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:AbstractGeneralDerivedCRS gml:GeodeticCRS gml:VerticalCRS gml:ProjectedCRS gml:DerivedCRS gml:EngineeringCRS gml:ImageCRS gml:TemporalCRS gml:GeographicCRS gml:GeocentricCRS 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractCRS 		
Attributes	QName gml:id	Type ID	Use required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:domainOfValidity**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	The gml:domainOfValidity property implements an association role to an EX_Extent object as encoded in ISO/TS 19139, either referencing or containing the definition of that extent.		
Diagram			
Properties	content: complex		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed Use optional optional optional optional optional optional optional optional optional

Element **gml:scope**

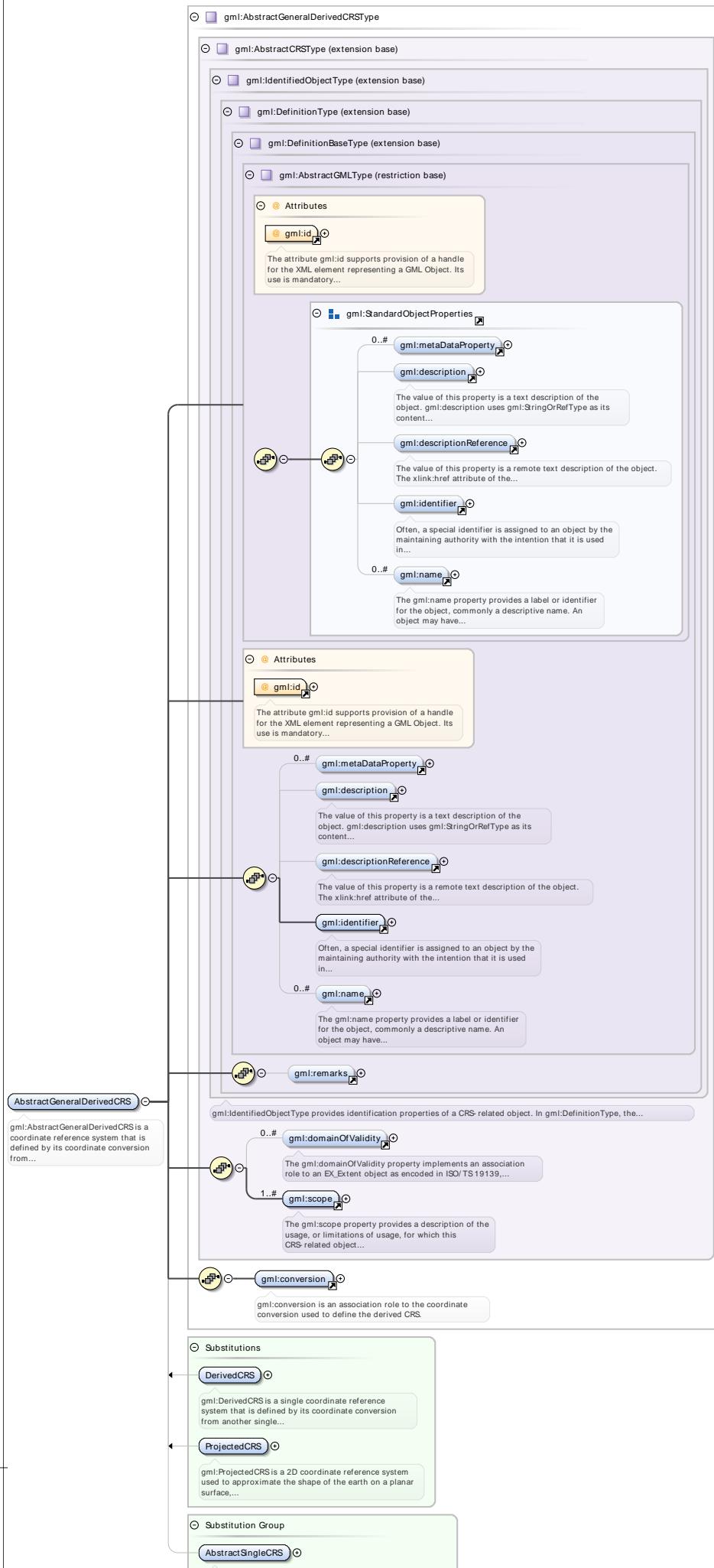
Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Annotations	The <code>gml:scope</code> property provides a description of the usage, or limitations of usage, for which this CRS-related object is valid. If unknown, enter "not known".
Diagram	 <p>The <code>gml:scope</code> property provides a description of the usage, or limitations of usage, for which this CRS-related object...</p> <p>Built- in primitive type. The <code>string</code> datatype represents character strings in XML.</p>
Type	<code>string</code>
Properties	content: simple

Element `gml:AbstractGeneralDerivedCRS`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:AbstractGeneralDerivedCRS</code> is a coordinate reference system that is defined by its coordinate conversion from another coordinate reference system. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.

Diagram



Type	gml:AbstractGeneralDerivedCRSType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:ProjectedCRS gml:DerivedCRS 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractSingleCRS 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:conversion**

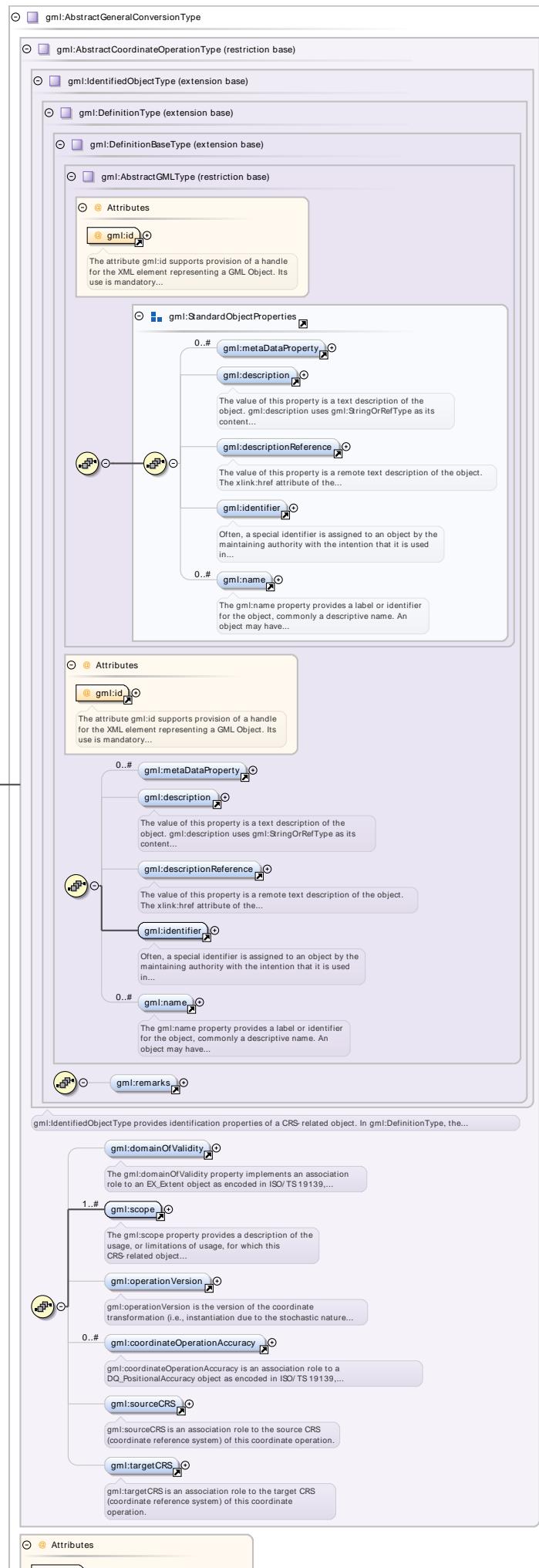
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:conversion is an association role to the coordinate conversion used to define the derived CRS.		
Diagram	<p>gml:conversion is an association role to the coordinate conversion used to define the derived CRS.</p>		
Type	gml:GeneralConversionPropertyType		
Properties	content: complex		
Substitution Group	<ul style="list-style-type: none"> gml:definedByConversion 		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed Use optional optional optional optional optional optional optional optional optional

Element **gml:AbstractGeneralConversion**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:AbstractGeneralConversion is an abstract operation on coordinates that does not include any change of datum. The best-known example of a coordinate conversion is a map projection. The parameters describing coordinate conversions are defined rather		

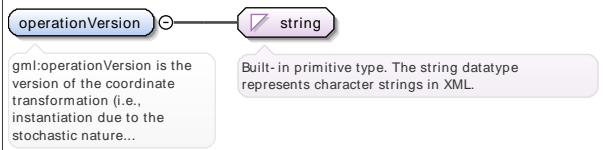
than empirically derived. Note that some conversions have no parameters. The operationVersion, sourceCRS, and targetCRS elements are omitted in a coordinate conversion. This abstract complex type is expected to be extended for well-known operation methods with many Conversion instances, in GML Application Schemas that define operation-method-specialized element names and contents. This conversion uses an operation method, usually with associated parameter values. However, operation methods and parameter values are directly associated with concrete subtypes, not with this abstract type. All concrete types derived from this type shall extend this type to include a "usesMethod" element that references the "OperationMethod" element. Similarly, all concrete types derived from this type shall extend this type to include zero or more elements each named "uses...Value" that each use the type of an element substitutable for the "AbstractGeneralParameterValue" element.

Diagram

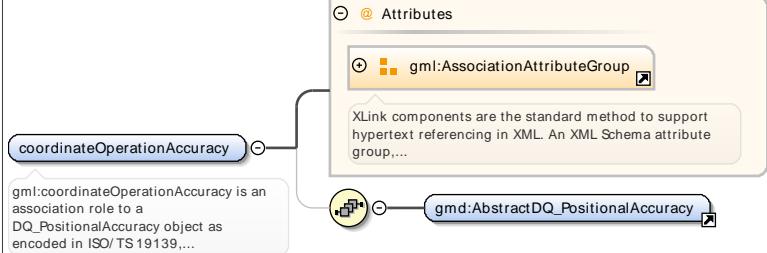


Type	gml:AbstractGeneralConversionType		
Properties	content: complex abstract: true		
Substitution Group	• gml:Conversion		
Substitution Group Affiliation	• gml:AbstractOperation		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

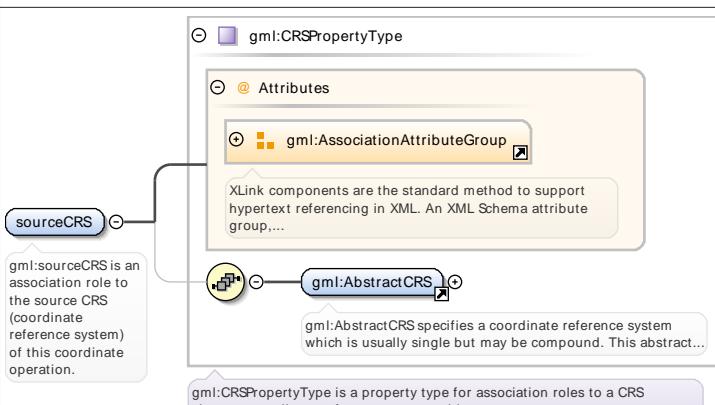
Element **gml:operationVersion**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:operationVersion is the version of the coordinate transformation (i.e., instantiation due to the stochastic nature of the parameters). Mandatory when describing a transformation, and should not be supplied for a conversion.
Diagram	
Type	string
Properties	content: simple

Element **gml:coordinateOperationAccuracy**

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	gml:coordinateOperationAccuracy is an association role to a DQ_PositionalAccuracy object as encoded in ISO/TS 19139, either referencing or containing the definition of that positional accuracy. That object contains an estimate of the impact of this coordinate operation on point accuracy. That is, it gives position error estimates for the target coordinates of this coordinate operation, assuming no errors in the source coordinates.																																								
Diagram																																									
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

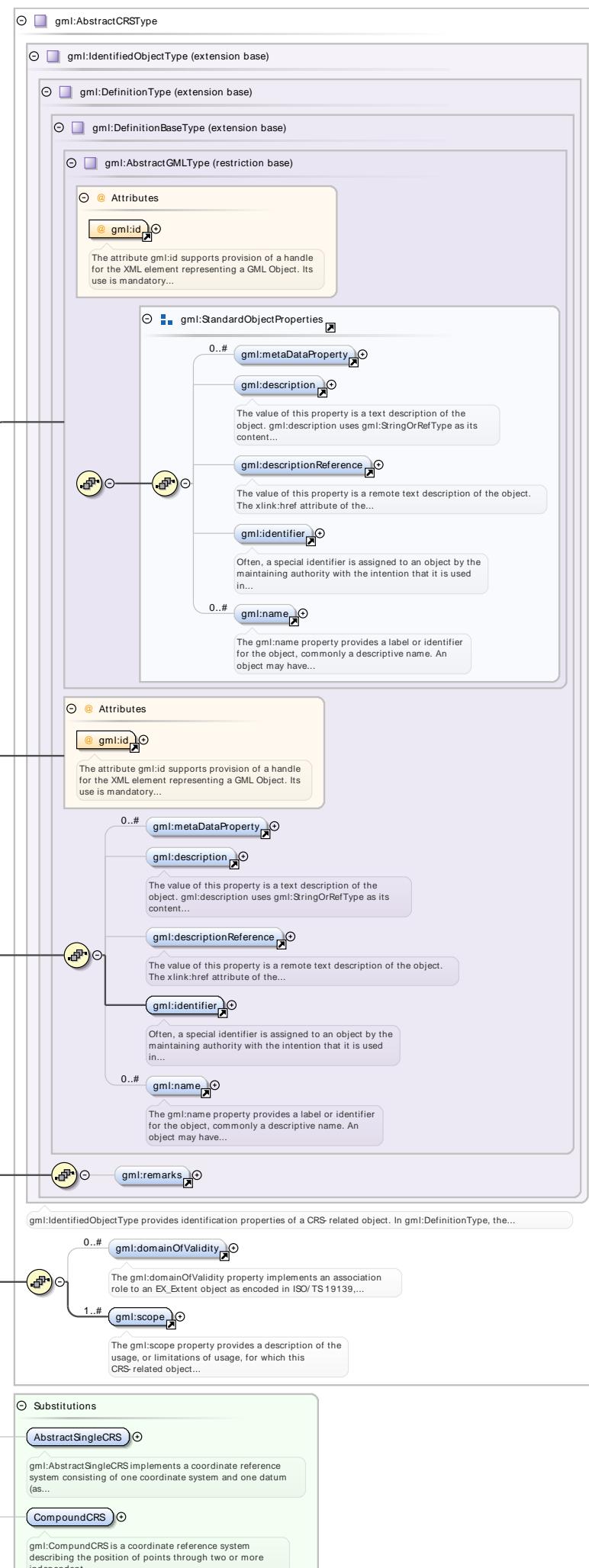
Element `gml:sourceCRS`

Namespace	http://www.opengis.net/gml/3.2																																											
Annotations	gml:sourceCRS is an association role to the source CRS (coordinate reference system) of this coordinate operation.																																											
Diagram	 <p>gml:sourceCRS is an association role to the source CRS (coordinate reference system) of this coordinate operation.</p>																																											
Type	gml:CRSPROPERTYTYPE																																											
Properties	content: complex																																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>				QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																									
gml:remoteSchema	anyURI		optional																																									
nilReason	gml:NilReasonType		optional																																									
xlink:actuate	xlink:actuateType		optional																																									
xlink:arcrole	xlink:arcroleType		optional																																									
xlink:href	xlink:hrefType		optional																																									
xlink:role	xlink:roleType		optional																																									
xlink:show	xlink:showType		optional																																									
xlink:title	xlink:titleAttrType		optional																																									
xlink:type	xlink:typeType	simple	optional																																									

Element `gml:AbstractCRS`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:AbstractCRS specifies a coordinate reference system which is usually single but may be compound. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.			

Diagram



Type	gml:AbstractCRSType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:AbstractSingleCRS gml:AbstractGeneralDerivedCRS gml:GeodeticCRS gml:VerticalCRS gml:ProjectedCRS gml:DerivedCRS gml:EngineeringCRS gml:ImageCRS gml:TemporalCRS gml:GeographicCRS gml:GeocentricCRS gml:CompoundCRS 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName gml:id	Type ID	Use required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

Element gml:targetCRS

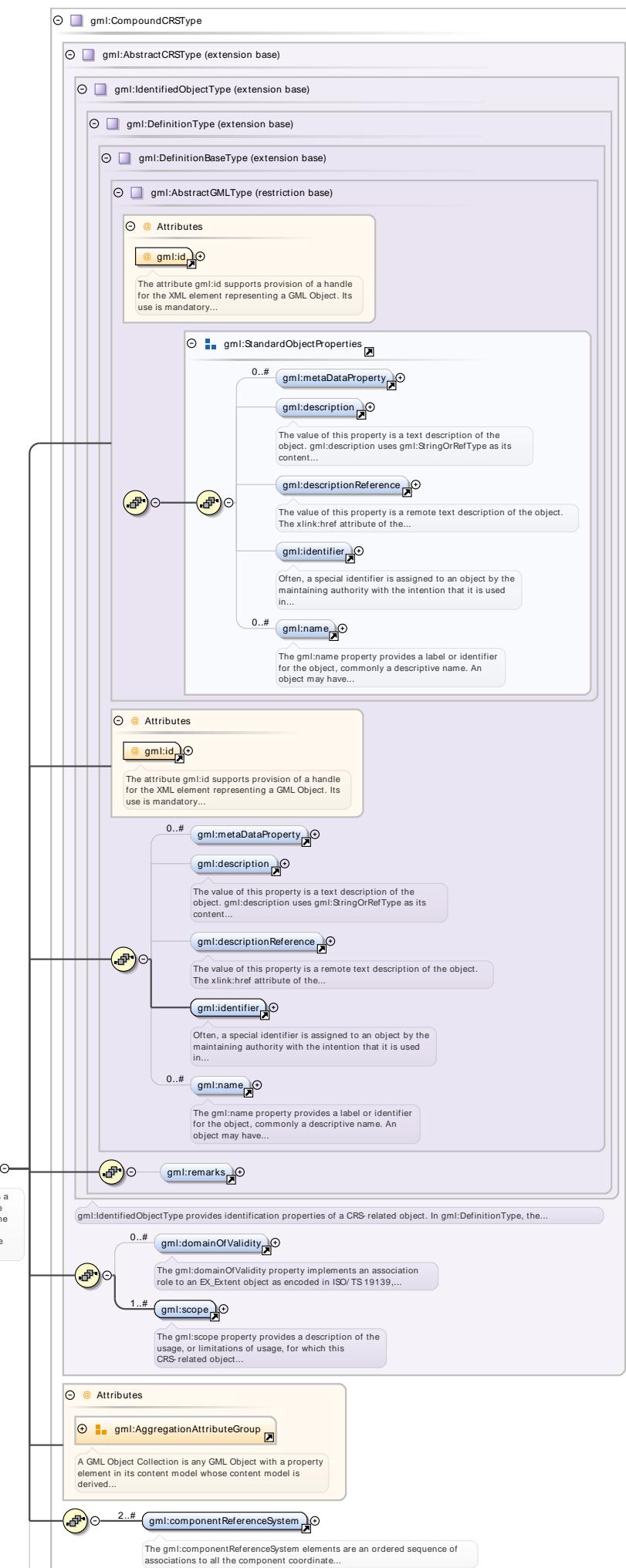
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:targetCRS is an association role to the target CRS (coordinate reference system) of this coordinate operation.		
Diagram			
Type	gml:CRSPROPERTYType		
Properties	content: complex		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType	Fixed
			Use optional optional optional optional optional

QName	Type	Fixed	Use	
xlink:role	xlink:roleType		optional	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Element **gml:CompoundCRS**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:CompoundCRS is a coordinate reference system describing the position of points through two or more independent coordinate reference systems. It is associated with a non-repeating sequence of two or more instances of SingleCRS.

Diagram



Type	gml:CompoundCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCRS		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

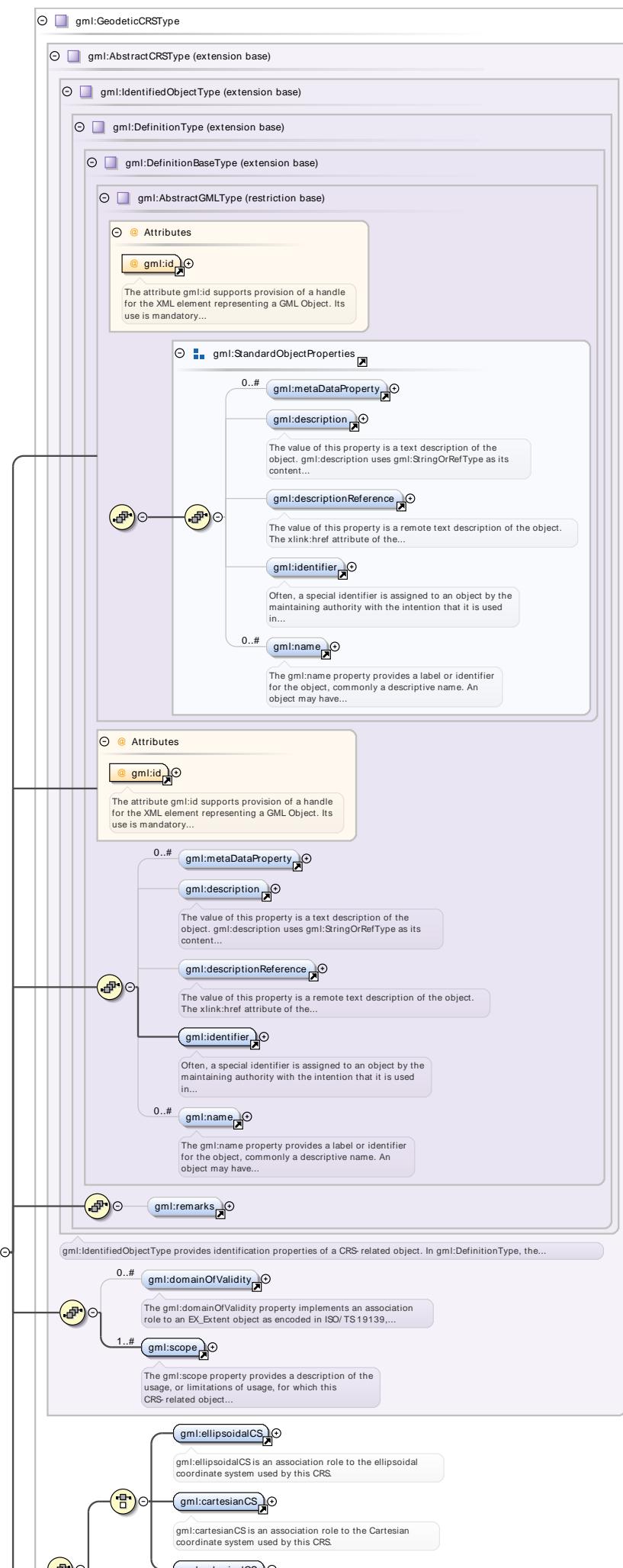
Element gml:componentReferenceSystem

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	The gml:componentReferenceSystem elements are an ordered sequence of associations to all the component coordinate reference systems included in this compound coordinate reference system. The gml:AggregationAttributeGroup should be used to specify that the gml:componentReferenceSystem properties are ordered.																																								
Diagram	<p>The diagram illustrates the structure of the gml:componentReferenceSystem element. It is an ordered sequence of associations to all component coordinate reference systems. The gml:AggregationAttributeGroup is used to specify that the properties are ordered. The diagram shows the following components:</p> <ul style="list-style-type: none"> componentReferenceSystem: The main element, shown as a rounded rectangle with a small circle icon. gml:SingleCRSPROPERTYTYPE: A property type for association roles to a single coordinate reference system, either... gml:AbstractSingleCRS: Implements a coordinate reference system consisting of one coordinate system and one datum (as...). gml:AssociationAttributeGroup: An XML Schema attribute group used for hypertext referencing. Substitutions: Includes the includesSingleCRS substitution. Annotations: Includes a note about XLink components and a note about the gml:AbstractSingleCRS implementation. 																																								
Type	gml:SingleCRSPROPERTYTYPE																																								
Properties	content: complex																																								
Substitution Group	• gml:includesSingleCRS																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:GeodeticCRS

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	gml:GeodeticCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

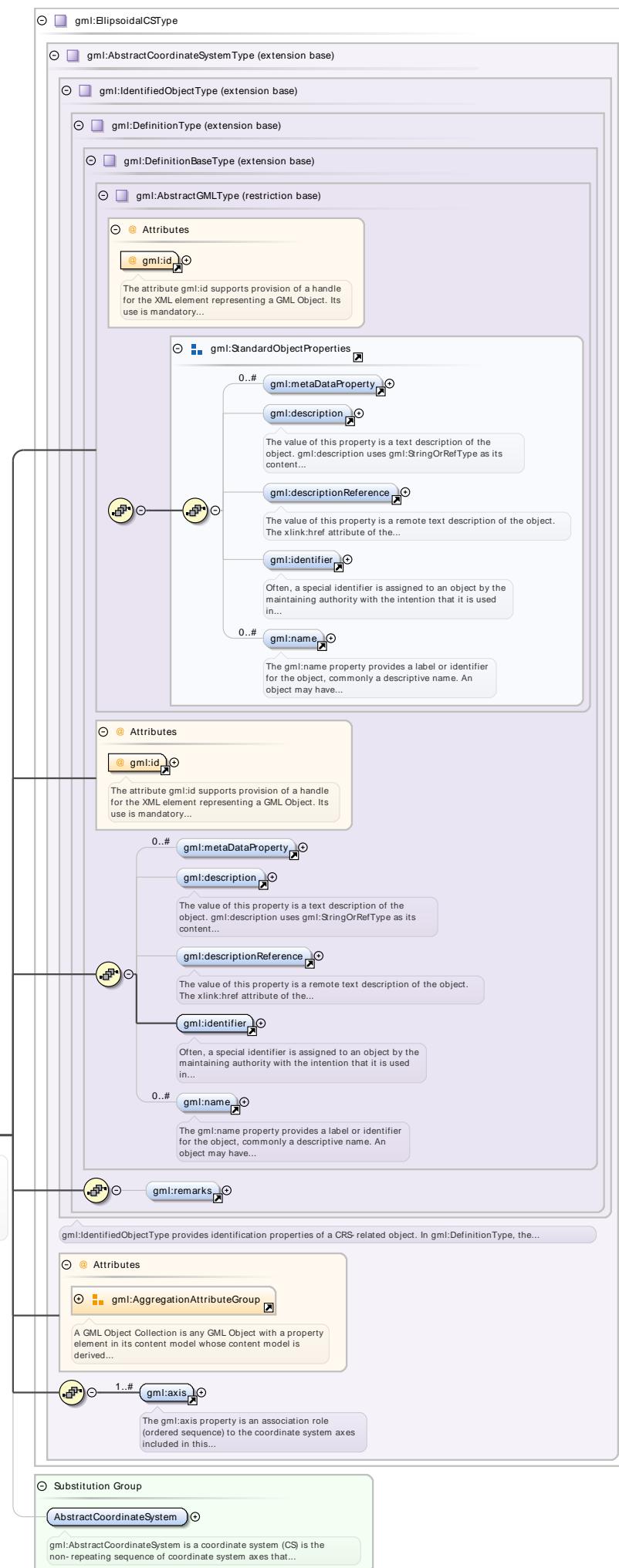
Element **gml:ellipsoidalCS**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:ellipsoidalCS is an association role to the ellipsoidal coordinate system used by this CRS.			
Diagram	<p>The diagram illustrates the structure of the gml:EllipsoidalCSPropertyType. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A group containing the gml:id attribute. Substitutions: A group containing the usesEllipsoidalCS substitution. Associations: An association role named ellipsoidalCS pointing to the gml:EllipsoidalCS element. Descriptions: A box containing the text: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". Annotations: A box containing the text: "gml:EllipsoidalCS is a two- or three- dimensional coordinate system in which position is specified by geodetic latitude,...". Notes: A note stating: "gml:EllipsoidalCSPropertyType is a property type for association roles to an ellipsoidal coordinate system, either...". 			
Type	gml:EllipsoidalCSPropertyType			
Properties	content: complex			
Substitution Group	• gml:usesEllipsoidalCS			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:EllipsoidalCS**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:EllipsoidalCS is a two- or three-dimensional coordinate system in which position is specified by geodetic latitude, geodetic longitude, and (in the three-dimensional case) ellipsoidal height. An EllipsoidalCS shall have two or three gml:axis property elements; the number of associations shall equal the dimension of the CS.		

Diagram



Type	gml:EllipsoidalCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:axis

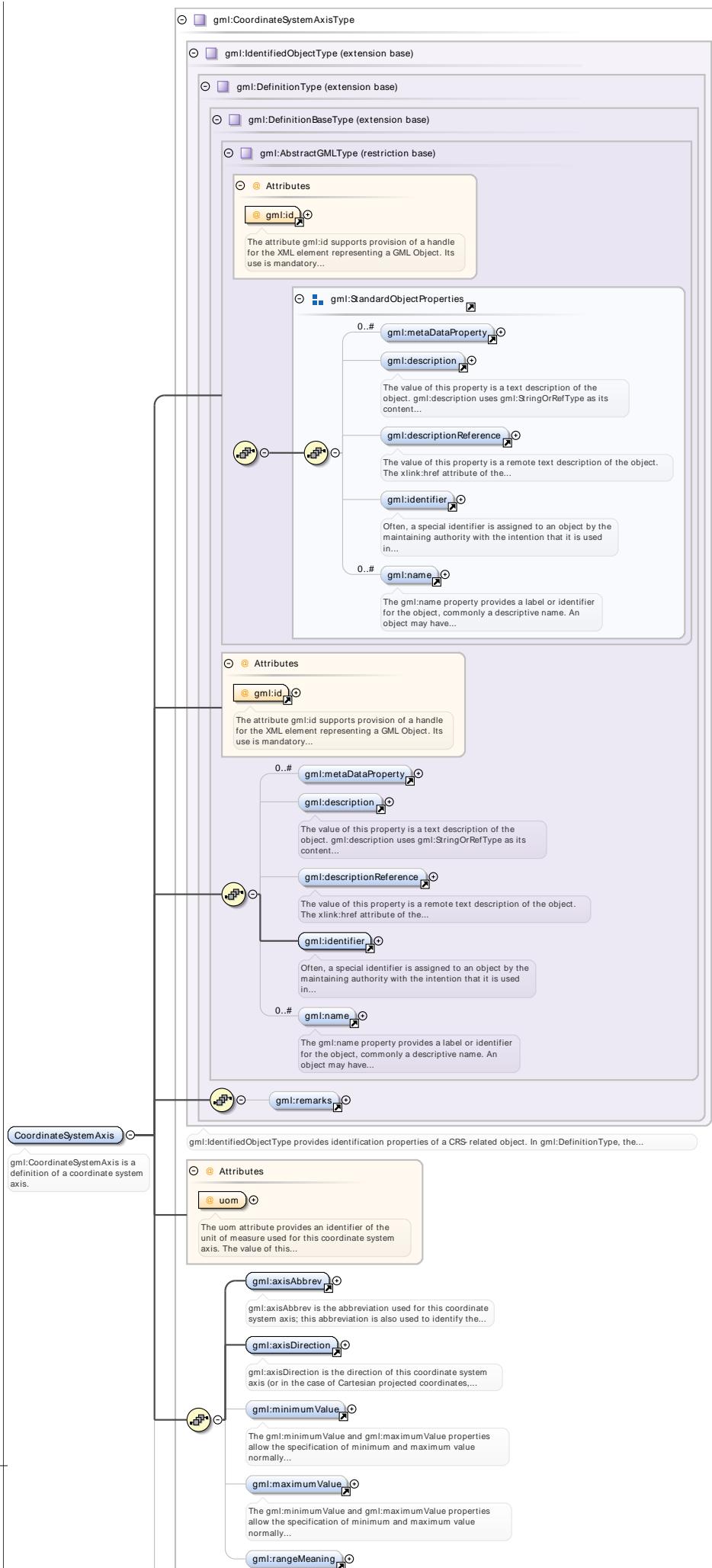
Namespace	http://www.opengis.net/gml/3.2		
Annotations	The gml:axis property is an association role (ordered sequence) to the coordinate system axes included in this coordinate system. The coordinate values in a coordinate tuple shall be recorded in the order in which the coordinate system axes associations are recorded, whenever those coordinates use a coordinate reference system that uses this coordinate system. The gml:AggregationAttributeGroup should be used to specify that the axis objects are ordered.		
Diagram	<p>The gml:axis property is an association role (ordered sequence) to the coordinate system axes included in this...</p>		
Type	gml:CoordinateSystemAxisPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesAxis		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:CoordinateSystemAxis

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Annotations	gml:CoordinateSystemAxis is a definition of a coordinate system axis.
-------------	-----------------------------------------------------------------------

Diagram



Type	gml:CoordinateSystemAxisType		
Properties	content: complex		
Substitution Group Affiliation	• gml:Definition		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	uom	gml:UomIdentifier	required
		The uom attribute provides an identifier of the unit of measure used for this coordinate system axis. The value of this coordinate in a coordinate tuple shall be recorded using this unit of measure, whenever those coordinates use a coordinate reference system that uses a coordinate system that uses this axis.	

Element gml:axisAbbrev

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:axisAbbrev is the abbreviation used for this coordinate system axis; this abbreviation is also used to identify the coordinates in the coordinate tuple. The codeSpace attribute may reference a source of more information on a set of standardized abbreviations, or on this abbreviation.		
Diagram			
Type	gml:CodeType		
Properties	content: complex		
Attributes	QName	Type	Use
	codeSpace	anyURI	optional

Element gml:axisDirection

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:axisDirection is the direction of this coordinate system axis (or in the case of Cartesian projected coordinates, the direction of this coordinate system axis at the origin). Within any set of coordinate system axes, only one of each pair of terms may be used. For earth-fixed CRSs, this direction is often approximate and intended to provide a human interpretable meaning to the axis. When a geodetic datum is used, the precise directions of the axes may therefore vary slightly from this approximate direction. The codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.		

Diagram									
Type	gml:CodeWithAuthorityType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>required</td><td></td></tr> </tbody> </table>	QName	Type	Use		codeSpace	anyURI	required	
QName	Type	Use							
codeSpace	anyURI	required							

Element **gml:minimumValue**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The <code>gml:minimumValue</code> and <code>gml:maximumValue</code> properties allow the specification of minimum and maximum value normally allowed for this axis, in the unit of measure for the axis. For a continuous angular axis such as longitude, the values wrap-around at this value. Also, values beyond this minimum/maximum can be used for specified purposes, such as in a bounding box. A value of minus infinity shall be allowed for the <code>gml:minimumValue</code> element, a value of plus infinity for the <code>gml:maximumValue</code> element. If these elements are omitted, the value is unspecified.</p>
Diagram	
Type	double
Properties	content: simple

Element **gml:maximumValue**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>The <code>gml:minimumValue</code> and <code>gml:maximumValue</code> properties allow the specification of minimum and maximum value normally allowed for this axis, in the unit of measure for the axis. For a continuous angular axis such as longitude, the values wrap-around at this value. Also, values beyond this minimum/maximum can be used for specified purposes, such as in a bounding box. A value of minus infinity shall be allowed for the <code>gml:minimumValue</code> element, a value of plus infinity for the <code>gml:maximumValue</code> element. If these elements are omitted, the value is unspecified.</p>
Diagram	
Type	double
Properties	content: simple

Element `gml:rangeMeaning`

Namespace	http://www.opengis.net/gml/3.2						
Annotations	<p>gml:rangeMeaning describes the meaning of axis value range specified by gml:minimumValue and gml:maximumValue. This element shall be omitted when both gml:minimumValue and gml:maximumValue are omitted. This element should be included when gml:minimumValue and/or gml:maximumValue are included. If this element is omitted when the gml:minimumValue and/or gml:maximumValue are included, the meaning is unspecified. The codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.</p>						
Diagram	<p>The diagram illustrates the structure of the <code>gml:rangeMeaning</code> element. It is a complex type (<code>gml:CodeWithAuthorityType</code>) that contains a <code>string</code> element and an <code>Attributes</code> group. The <code>Attributes</code> group includes a <code>codeSpace</code> attribute. A callout box provides a detailed description of the <code>string</code> element as a built-in primitive type representing character strings in XML. Another callout box describes the <code>Attributes</code> group as a generalized type for terms, keywords, or names, adding a <code>codeSpace</code> attribute. A third callout box states that the <code>codeSpace</code> attribute is required.</p>						
Type	<code>gml:CodeWithAuthorityType</code>						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>codeSpace</code></td> <td>anyURI</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>codeSpace</code>	anyURI	required
QName	Type	Use					
<code>codeSpace</code>	anyURI	required					

Element `gml:cartesianCS`

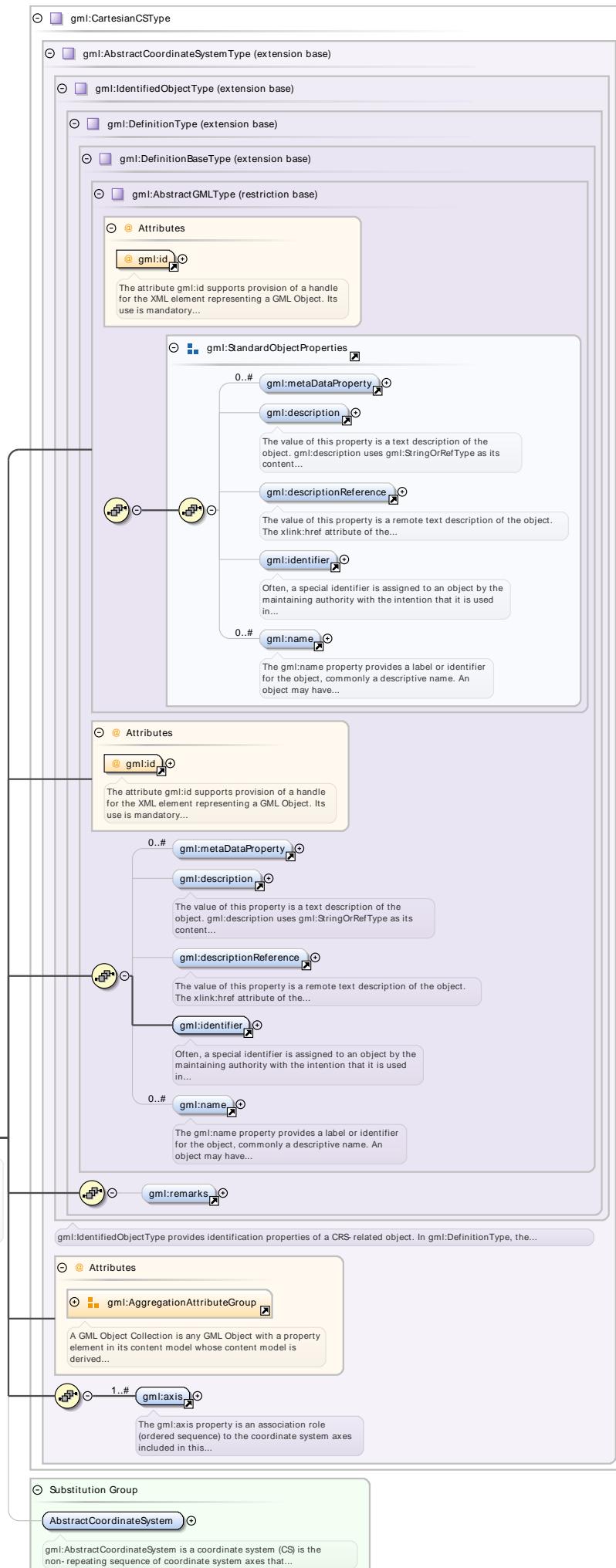
Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:cartesianCS is an association role to the Cartesian coordinate system used by this CRS.</p>
Diagram	<p>The diagram illustrates the structure of the <code>gml:cartesianCS</code> element. It is a property type (<code>gml:CartesianCSPropertyType</code>) that contains an <code>Attributes</code> group and a <code>gml:AssociationAttributeGroup</code>. The <code>Attributes</code> group includes a <code>usesCartesianCS</code> attribute. A callout box describes the <code>gml:AssociationAttributeGroup</code> as supporting hypertext referencing in XML. Another callout box describes the <code>gml:CartesianCS</code> element as a 1-, 2-, or 3-dimensional coordinate system. A third callout box describes the <code>gml:CartesianCSPropertyType</code> as a property type for association roles to a Cartesian coordinate system. A fourth callout box shows the <code>usesCartesianCS</code> attribute under the <code>Substitutions</code> group.</p>
Type	<code>gml:CartesianCSPropertyType</code>
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • <code>gml:usesCartesianCS</code>

Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Element **gml:CartesianCS**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:CartesianCS is a 1-, 2-, or 3-dimensional coordinate system. In the 1-dimensional case, it contains a single straight coordinate axis. In the 2- and 3-dimensional cases gives the position of points relative to orthogonal straight axes. In the multi-dimensional case, all axes shall have the same length unit of measure. A CartesianCS shall have one, two, or three gml:axis property elements.

Diagram



Type	gml:CartesianCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

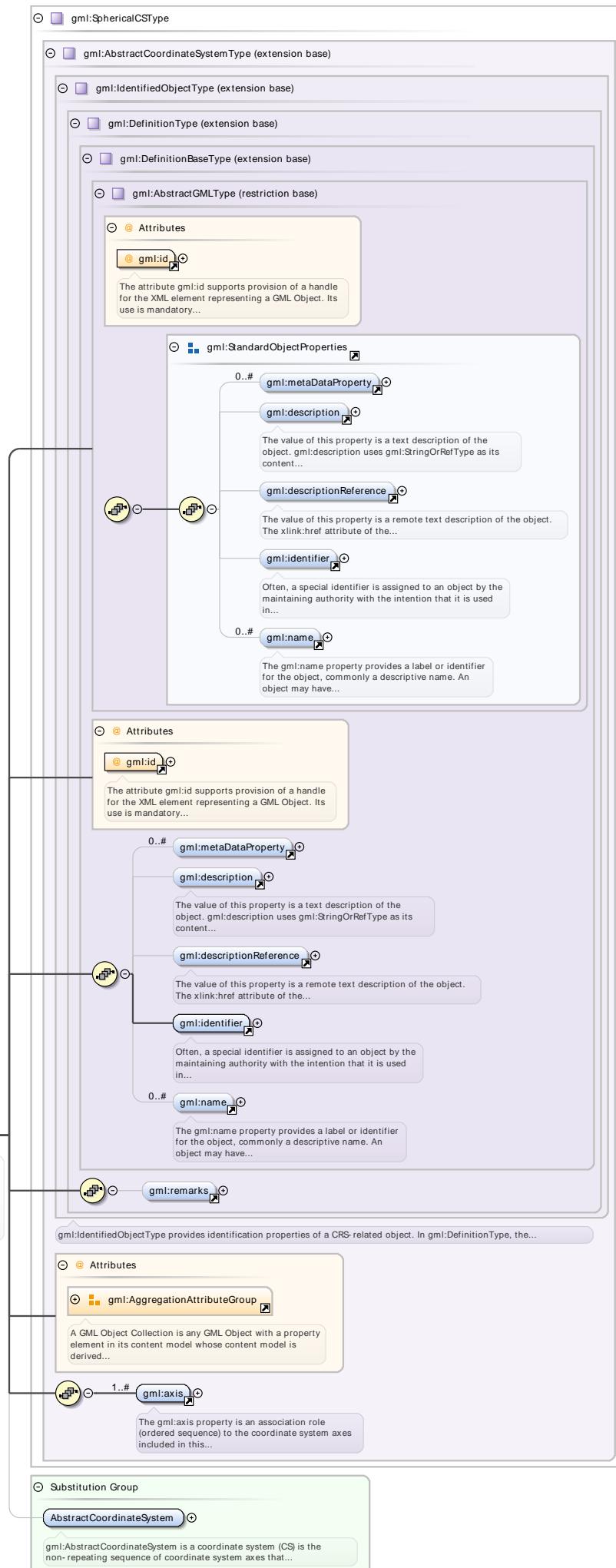
Element gml:sphericalCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:sphericalCS is an association role to the spherical coordinate system used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:SphericalCSPropertyType. It is a property type for association roles to a spherical coordinate system. It includes an association attribute group (gml:AssociationAttributeGroup) which supports hypertext referencing via XLink components. The diagram also shows the 'sphericalCS' element itself, which is an association role to the spherical coordinate system used by this CRS. There are also substitution and usesSphericalCS components.</p>		
Type	gml:SphericalCSPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesSphericalCS		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:SphericalCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:SphericalCS is a three-dimensional coordinate system with one distance measured from the origin and two angular coordinates. A SphericalCS shall have three gml:axis property elements.		

Diagram



Type	gml:SphericalCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

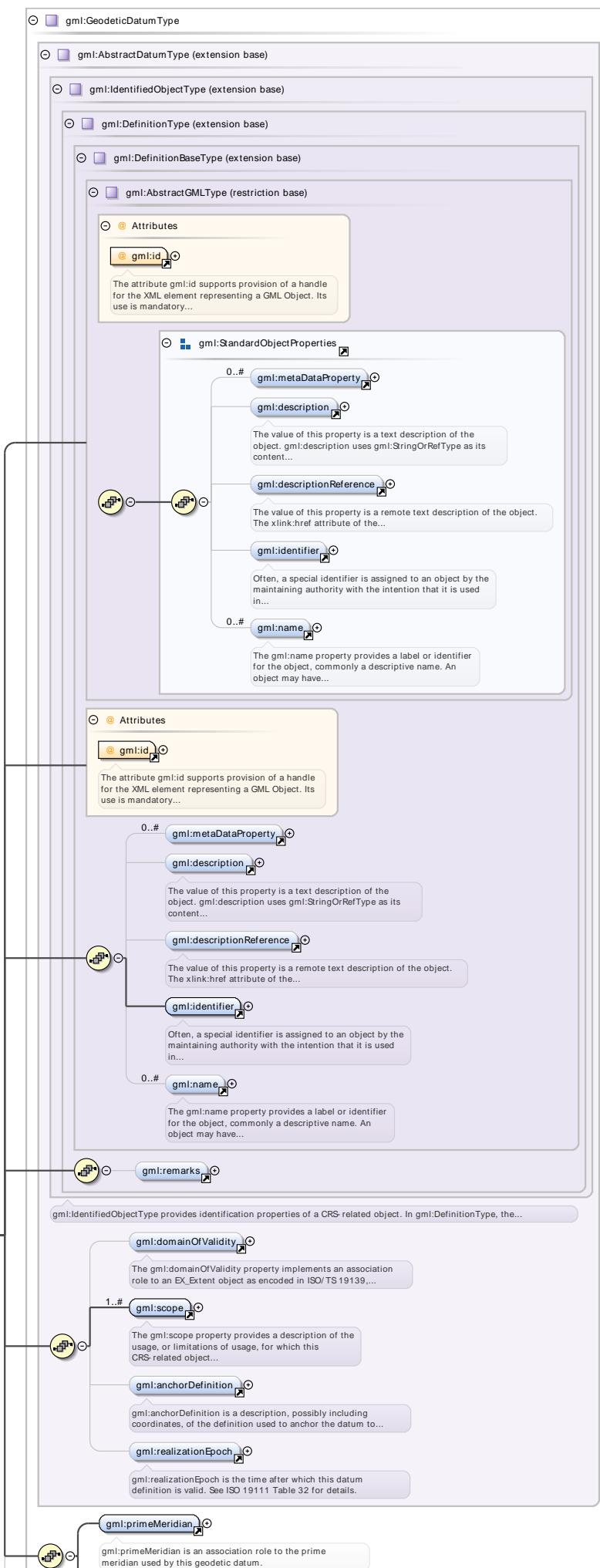
Element gml:geodeticDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:geodeticDatum is an association role to the geodetic datum used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:GeodeticDatumPropertyType. It shows a central box for 'gml:GeodeticDatumPropertyType' with an 'Attributes' section containing 'gml:AssociationAttributeGroup'. A callout box explains that XLink components support hypertext referencing. Below this is a 'gml:GeodeticDatum' element. A 'geodeticDatum' association role is shown with a callout explaining it is an association role to the geodetic datum used by this CRS. A 'Substitutions' section contains 'usesGeodeticDatum'.</p>		
Type	gml:GeodeticDatumPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesGeodeticDatum		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:GeodeticDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:GeodeticDatum is a geodetic datum defines the precise location and orientation in 3-dimensional space of a defined ellipsoid (or sphere), or of a Cartesian coordinate system centered in this ellipsoid (or sphere).		

Diagram



Type	gml:GeodeticDatumType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractDatum		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:anchorDefinition

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:anchorDefinition is a description, possibly including coordinates, of the definition used to anchor the datum to the Earth. Also known as the "origin", especially for engineering and image datums. The codeSpace attribute may be used to reference a source of more detailed on this point or surface, or on a set of such descriptions. - For a geodetic datum, this point is also known as the fundamental point, which is traditionally the point where the relationship between geoid and ellipsoid is defined. In some cases, the "fundamental point" may consist of a number of points. In those cases, the parameters defining the geoid/ellipsoid relationship have been averaged for these points, and the averages adopted as the datum definition. - For an engineering datum, the anchor definition may be a physical point, or it may be a point with defined coordinates in another CRS. - For an image datum, the anchor definition is usually either the centre of the image or the corner of the image. - For a temporal datum, this attribute is not defined. Instead of the anchor definition, a temporal datum carries a separate time origin of type DateTime.		
Diagram	<p>The diagram illustrates the structure of gml:CodeType. It starts with a box for 'gml:CodeType' containing a 'string' node. A callout box explains that 'string' is a built-in primitive type representing character strings in XML. Below 'string' is an 'Attributes' section with a 'codeSpace' attribute. A callout box for 'codeSpace' states: 'gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term,...'. At the bottom is a 'Substitutions' section with a 'anchorPoint' node.</p>		
Type	gml:CodeType		
Properties	content: complex		
Substitution Group	• gml:anchorPoint		
Attributes	QName	Type	Use
	codeSpace	anyURI	optional

Element gml:realizationEpoch

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:realizationEpoch is the time after which this datum definition is valid. See ISO 19111 Table 32 for details.		
Diagram	<p>The diagram shows 'realizationEpoch' connected to a 'date' node. A callout box for 'realizationEpoch' states: 'gml:realizationEpoch is the time after which this datum definition is valid. See ISO 19111 Table 32 for details.' A callout box for 'date' states: 'date - Built-in primitive type. The date datatype represents a calendar date.'</p>		
Type	date		
Properties	content: simple		

Element `gml:primeMeridian`

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	gml:primeMeridian is an association role to the prime meridian used by this geodetic datum.																																								
Diagram	<p>Diagram illustrating the schema component <code>gml:PrimeMeridianPropertyType</code>:</p> <ul style="list-style-type: none"> Attributes: <code>gml:AssociationAttributeGroup</code> Description: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... Definition: A <code>gml:PrimeMeridian</code> defines the origin from which longitude values are determined. The default value for the prime... Substitutions: <code>usesPrimeMeridian</code> 																																								
Type	<code>gml:PrimeMeridianPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group	• <code>gml:usesPrimeMeridian</code>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:PrimeMeridian`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A <code>gml:PrimeMeridian</code> defines the origin from which longitude values are determined. The default value for the prime meridian <code>gml:identifier</code> value is "Greenwich".

Diagram

	<p>gml:PrimeMeridianPropertyType</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...</p> <p>gml:PrimeMeridian</p> <p>A gml:PrimeMeridian defines the origin from which longitude values are determined. The default value for the prime...</p> <p>primeMeridian</p> <p>gml:primeMeridian is an association role to the prime meridian used by this geodetic datum.</p> <p>Substitutions</p> <ul style="list-style-type: none"> usesPrimeMeridian 									
Type	gml:PrimeMeridianType									
Properties	content: complex									
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
gml:id	ID	required								
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

Element gml:greenwichLongitude

Namespace	http://www.opengis.net/gml/3.2								
Annotations	gml:greenwichLongitude is the longitude of the prime meridian measured from the Greenwich meridian, positive eastward. If the value of the prime meridian "name" is "Greenwich" then the value of greenwichLongitude shall be 0 degrees.								
Diagram	<p>gml:AngleType</p> <p>gml:MeasureType (extension base)</p> <ul style="list-style-type: none"> double <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type (IEEE...</p> <p>Attributes</p> <ul style="list-style-type: none"> uom <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p> <p>greenwichLongitude</p> <p>gml:greenwichLongitude is the longitude of the prime meridian measured from the Greenwich meridian, positive eastward....</p>								
Type	gml:AngleType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required		
QName	Type	Use							
uom	gml:UomIdentifier	required							

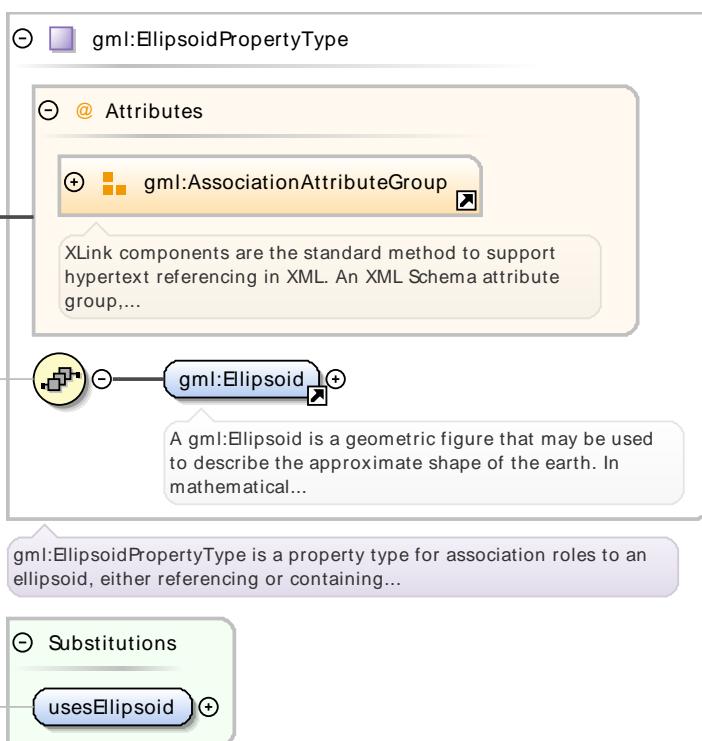
Element `gml:ellipsoid`

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	gml:ellipsoid is an association role to the ellipsoid used by this geodetic datum.																																								
Diagram																																									
Type	<code>gml:EllipsoidPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group	<ul style="list-style-type: none"> • <code>gml:usesEllipsoid</code> 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:Ellipsoid`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A <code>gml:Ellipsoid</code> is a geometric figure that may be used to describe the approximate shape of the earth. In mathematical terms, it is a surface formed by the rotation of an ellipse about its minor axis.

Diagram



Type

`gml:EllipsoidType`

Properties

content: complex

Substitution Group Affiliation

- `gml:Definition`

Attributes

QName	Type	Use
<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element `gml:semiMajorAxis`

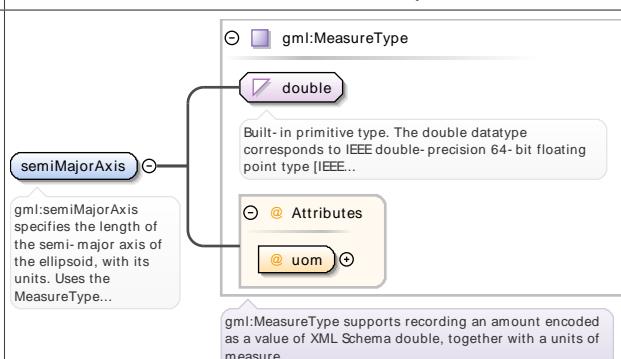
Namespace

<http://www.opengis.net/gml/3.2>

Annotations

`gml:semiMajorAxis` specifies the length of the semi-major axis of the ellipsoid, with its units. Uses the `MeasureType` with the restriction that the unit of measure referenced by `uom` must be suitable for a length, such as metres or feet.

Diagram



Type

`gml:MeasureType`

Properties

content: complex

Attributes

QName	Type	Use
<code>uom</code>	<code>gml:UomIdentifier</code>	required

Element `gml:secondDefiningParameter`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p><code>gml:secondDefiningParameter</code> is a property containing the definition of the second parameter that defines the shape of an ellipsoid. An ellipsoid requires two defining parameters: semi-major axis and inverse flattening or semi-major axis and semi-minor axis. When the reference body is a sphere rather than an ellipsoid, only a single defining parameter is required, namely the radius of the sphere; in that case, the semi-major axis "degenerates" into the radius of the sphere. The <code>inverseFlattening</code> element contains the inverse flattening value of the ellipsoid. This value is a scale factor (or ratio). It uses <code>gml:LengthType</code> with the restriction that the unit of measure referenced by the <code>uom</code> attribute must be suitable for a scale factor, such as percent, permil, or parts-per-million. The <code>semiMinorAxis</code> element contains the length of the semi-minor axis of the ellipsoid. When the <code>isSphere</code> element is included, the ellipsoid is degenerate and is actually a sphere. The sphere is completely defined by the semi-major axis, which is the radius of the sphere.</p>
Diagram	<pre> classDiagram class SecondDefiningParameter { inverseFlattening +> semiMinorAxis +> isSphere +> } </pre>
Properties	content: complex

Element `gml:SecondDefiningParameter`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram class SecondDefiningParameter { inverseFlattening +> semiMinorAxis +> isSphere +> } </pre>
Properties	content: complex

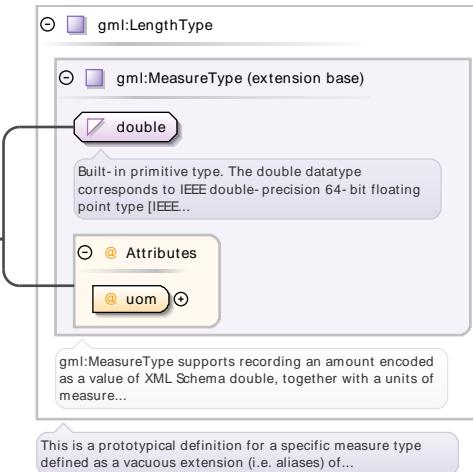
Element `gml:SecondDefiningParameter / gml:inverseFlattening`

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<pre> classDiagram class inverseFlattening { gml:MeasureType double Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type (IEEE...) @ uom } </pre> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>						
Type	<code>gml:MeasureType</code>						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use					
<code>uom</code>	<code>gml:UomIdentifier</code>	required					

Element `gml:SecondDefiningParameter / gml:semiMinorAxis`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	<code>gml:LengthType</code>						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use					
<code>uom</code>	<code>gml:UomIdentifier</code>	required					

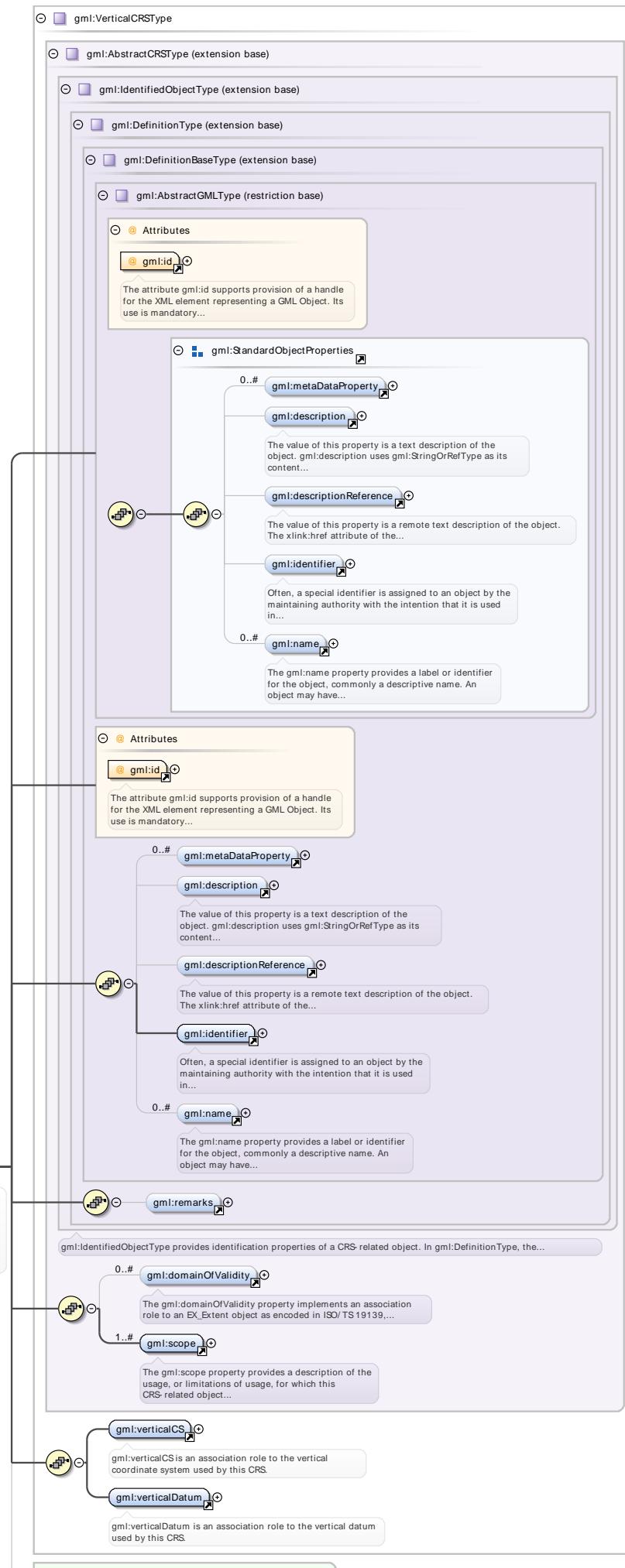
Element `gml:SecondDefiningParameter` / `gml:isSphere`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram shows the attribute <code>isSphere</code> with type <code>boolean</code>. A note states that <code>boolean</code> is a built-in primitive type that defines the boolean values true and false.</p>				
Type	<code>boolean</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>default:</td> <td>true</td> </tr> </table>	content:	simple	default:	true
content:	simple				
default:	true				

Element `gml:VerticalCRS`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p><code>gml:VerticalCRS</code> is a 1D coordinate reference system used for recording heights or depths. Vertical CRSs make use of the direction of gravity to define the concept of height or depth, but the relationship with gravity may not be straightforward. By implication, ellipsoidal heights (h) cannot be captured in a vertical coordinate reference system. Ellipsoidal heights cannot exist independently, but only as an inseparable part of a 3D coordinate tuple defined in a geographic 3D coordinate reference system.</p>

Diagram



Type	gml:VerticalCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

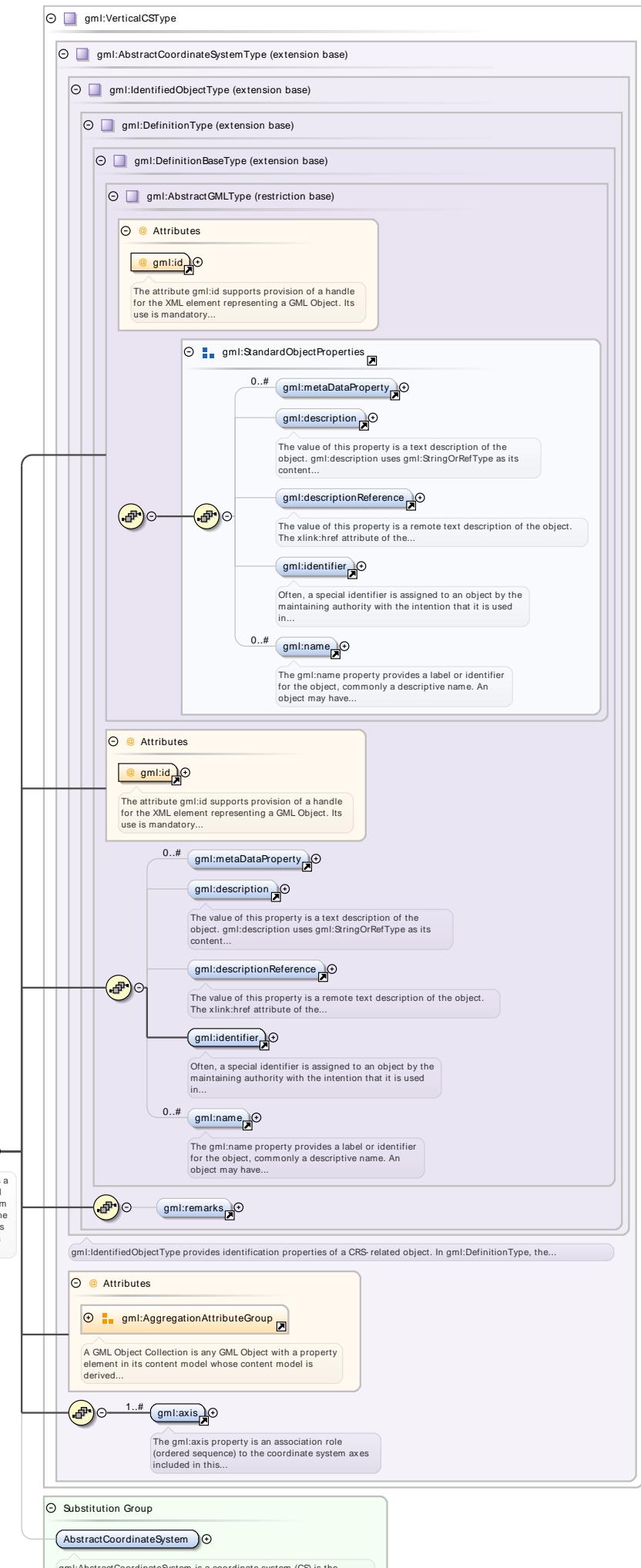
Element gml:verticalCS

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:verticalCS is an association role to the vertical coordinate system used by this CRS.			
Diagram	<p>The diagram illustrates the structure of the gml:VerticalCSPropertyType. It is a property type for association roles to a vertical coordinate system. The structure includes:</p> <ul style="list-style-type: none"> gml:VerticalCSPropertyType (Root node) Attributes (Section) <ul style="list-style-type: none"> gml:AssociationAttributeGroup (Grouped attribute) XLink components (Text: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...) gml:VerticalCS (Element) <ul style="list-style-type: none"> gml:VerticalCS (Text: gml:VerticalCS is a one-dimensional coordinate system used to record the heights or depths of points. Such a coordinate... gml:VerticalCSPropertyType (Text: gml:VerticalCSPropertyType is a property type for association roles to a vertical coordinate system, either referencing... Substitutions (Section) <ul style="list-style-type: none"> usesVerticalCS (Element) 			
Type	gml:VerticalCSPropertyType			
Properties	content: complex			
Substitution Group	• gml:usesVerticalCS			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:VerticalCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:VerticalCS is a one-dimensional coordinate system used to record the heights or depths of points. Such a coordinate system is usually dependent on the Earth's gravity field, perhaps loosely as when atmospheric pressure is the basis for the vertical coordinate system axis. A VerticalCS shall have one gml:axis property element.		

Diagram



Type	gml:VerticalCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

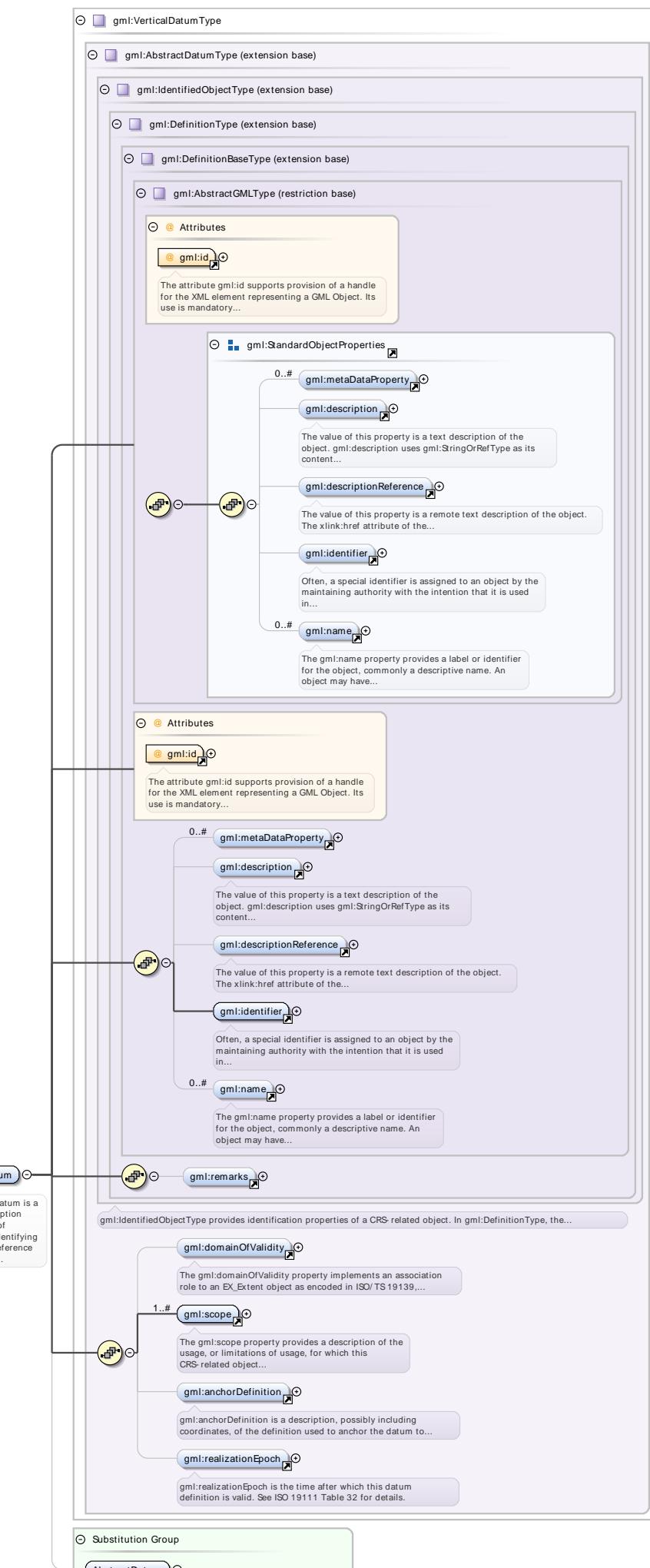
Element gml:verticalDatum

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	gml:verticalDatum is an association role to the vertical datum used by this CRS.																																								
Diagram	<p>The diagram illustrates the structure of the gml:VerticalDatumPropertyType. It is a property type for association roles to a vertical datum. The diagram shows the following components:</p> <ul style="list-style-type: none"> gml:VerticalDatumPropertyType: The main property type. Attributes: A group containing the gml:AssociationAttributeGroup. gml:VerticalDatum: The association role to the vertical datum. gml:VerticalDatum (verticalDatum): A label indicating the association role. usesVerticalDatum: A substitution role. Annotations: <ul style="list-style-type: none"> XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... gml:VerticalDatumPropertyType is property type for association roles to a vertical datum, either referencing or... 																																								
Type	gml:VerticalDatumPropertyType																																								
Properties	content: complex																																								
Substitution Group	• gml:usesVerticalDatum																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:VerticalDatum

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:VerticalDatum is a textual description and/or a set of parameters identifying a particular reference level surface used as a zero-height surface, including its position with respect to the Earth for any of the height types recognized by this International Standard.

Diagram

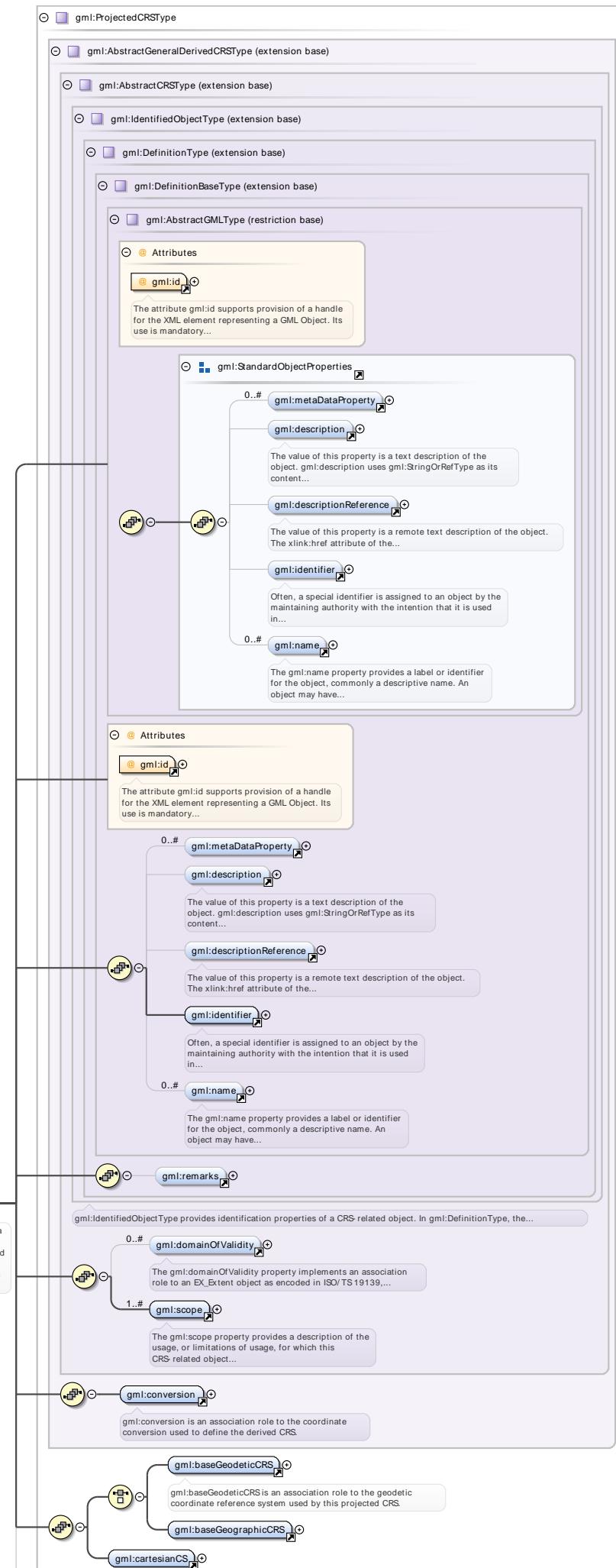


Type	gml:VerticalDatumType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractDatum		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:ProjectedCRS**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:ProjectedCRS is a 2D coordinate reference system used to approximate the shape of the earth on a planar surface, but in such a way that the distortion that is inherent to the approximation is carefully controlled and known. Distortion correction is commonly applied to calculated bearings and distances to produce values that are a close match to actual field values.

Diagram



Type	gml:ProjectedCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeneralDerivedCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:baseGeodeticCRS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:baseGeodeticCRS is an association role to the geodetic coordinate reference system used by this projected CRS.		
Diagram			
Type	gml:GeodeticCRSPropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:baseGeographicCRS

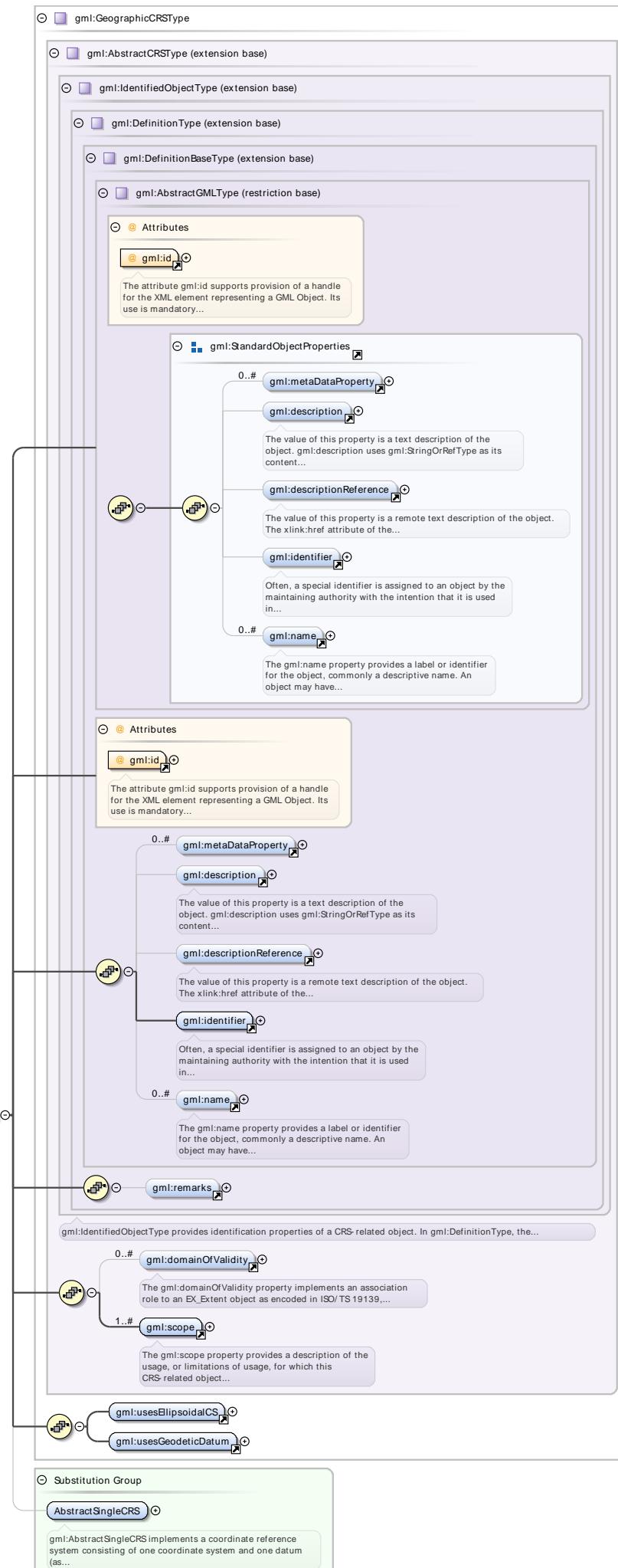
Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:GeographicCRSPropertyType		

Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:GeographicCRS**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	gml:GeographicCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

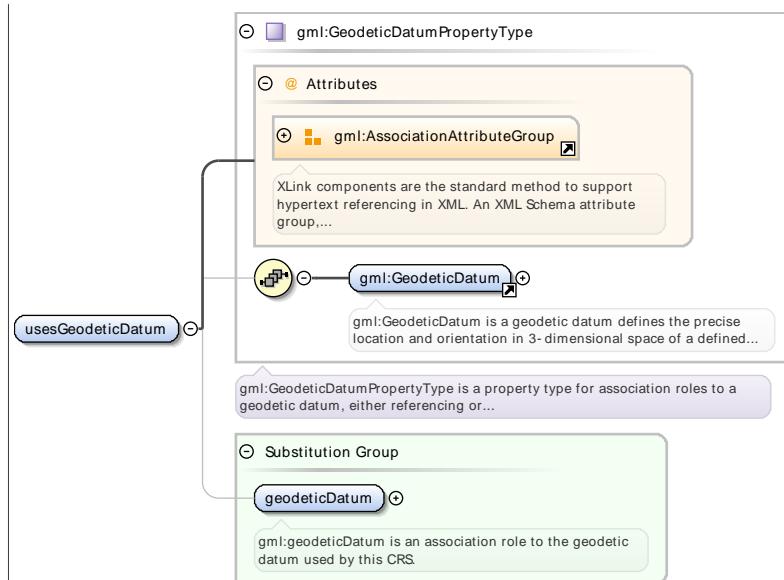
Element gml:usesEllipsoidalCS

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:EllipsoidalCSPropertyType		
Properties	content: complex		
Substitution Group Affiliation	• gml:ellipsoidalCS		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	optional
	xlink:arcrole	xlink:arcroleType	optional
	xlink:href	xlink:hrefType	optional
	xlink:role	xlink:roleType	optional
	xlink:show	xlink:showType	optional
	xlink:title	xlink:titleAttrType	optional
	xlink:type	xlink:typeType	simple
			optional

Element gml:usesGeodeticDatum

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram

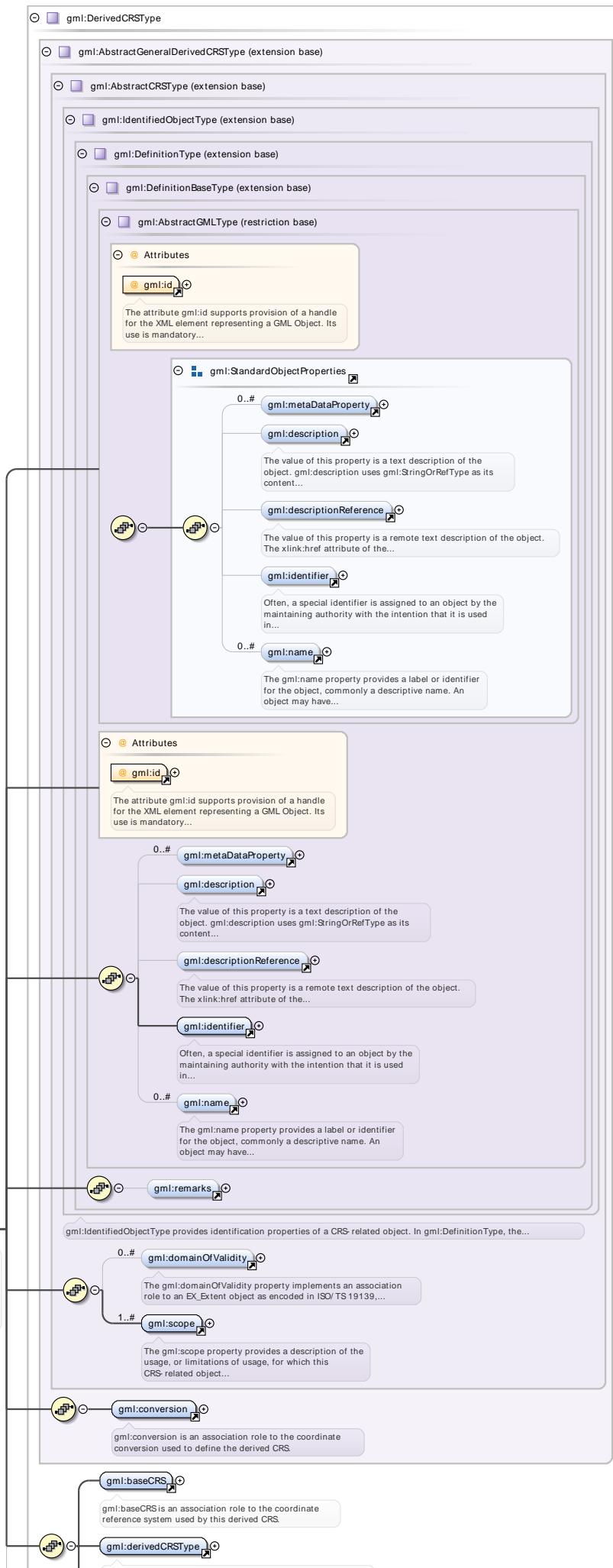


Type	<code>gml:GeodeticDatumPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	• <code>gml:geodeticDatum</code>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:DerivedCRS`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:DerivedCRS</code> is a single coordinate reference system that is defined by its coordinate conversion from another single coordinate reference system known as the base CRS. The base CRS can be a projected coordinate reference system, if this <code>DerivedCRS</code> is used for a georectified grid coverage as described in ISO 19123, Clause 8.

Diagram



Type	gml:DerivedCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeneralDerivedCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

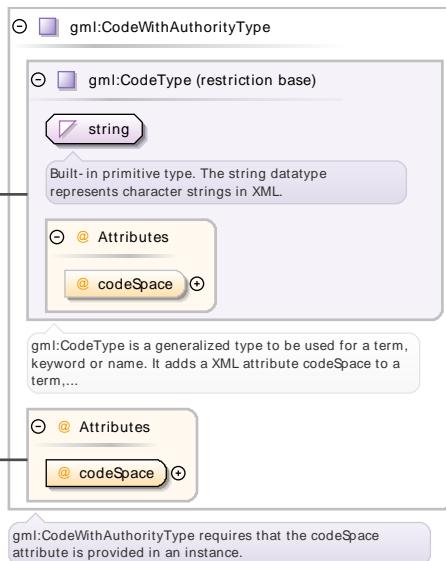
Element gml:baseCRS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:baseCRS is an association role to the coordinate reference system used by this derived CRS.		
Diagram	<p>baseCRS</p> <p>gml:baseCRS is an association role to the coordinate reference system used by this derived CRS.</p> <p>gml:SingleCRSPROPERTYType</p> <p>Attributes</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...</p> <p>gml:AbstractSingleCRS</p> <p>gml:AbstractSingleCRS implements a coordinate reference system consisting of one coordinate system and one datum (as...)</p> <p>gml:SingleCRSPROPERTYType is a property type for association roles to a single coordinate reference system, either...</p>		
Type	gml:SingleCRSPROPERTYType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:derivedCRSType

Namespace	http://www.opengis.net/gml/3.2		
Annotations	The gml:derivedCRSType property describes the type of a derived coordinate reference system. The required codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.		

Diagram



Type

gml:CodeWithAuthorityType

Properties

content: complex

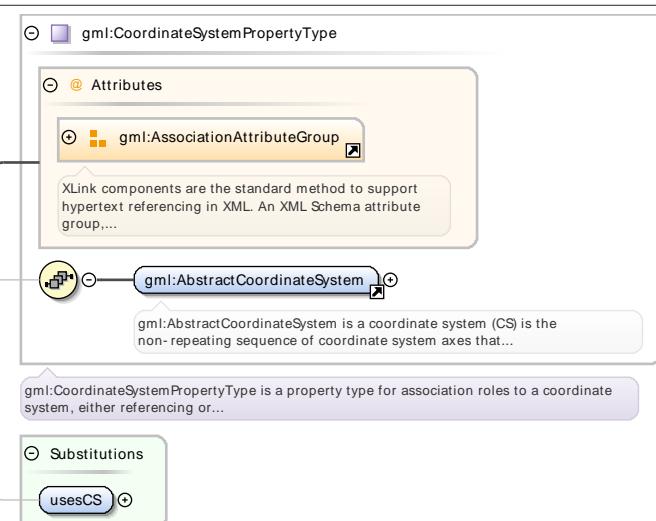
Attributes

QName	Type	Use	
<code>codeSpace</code>	anyURI	required	

Element `gml:coordinateSystem`Namespace <http://www.opengis.net/gml/3.2>

Annotations An association role to the coordinate system used by this CRS.

Diagram

Type `gml:CoordinateSystemPropertyType`

Properties content: complex

Substitution Group • `gml:usesCS`

Attributes

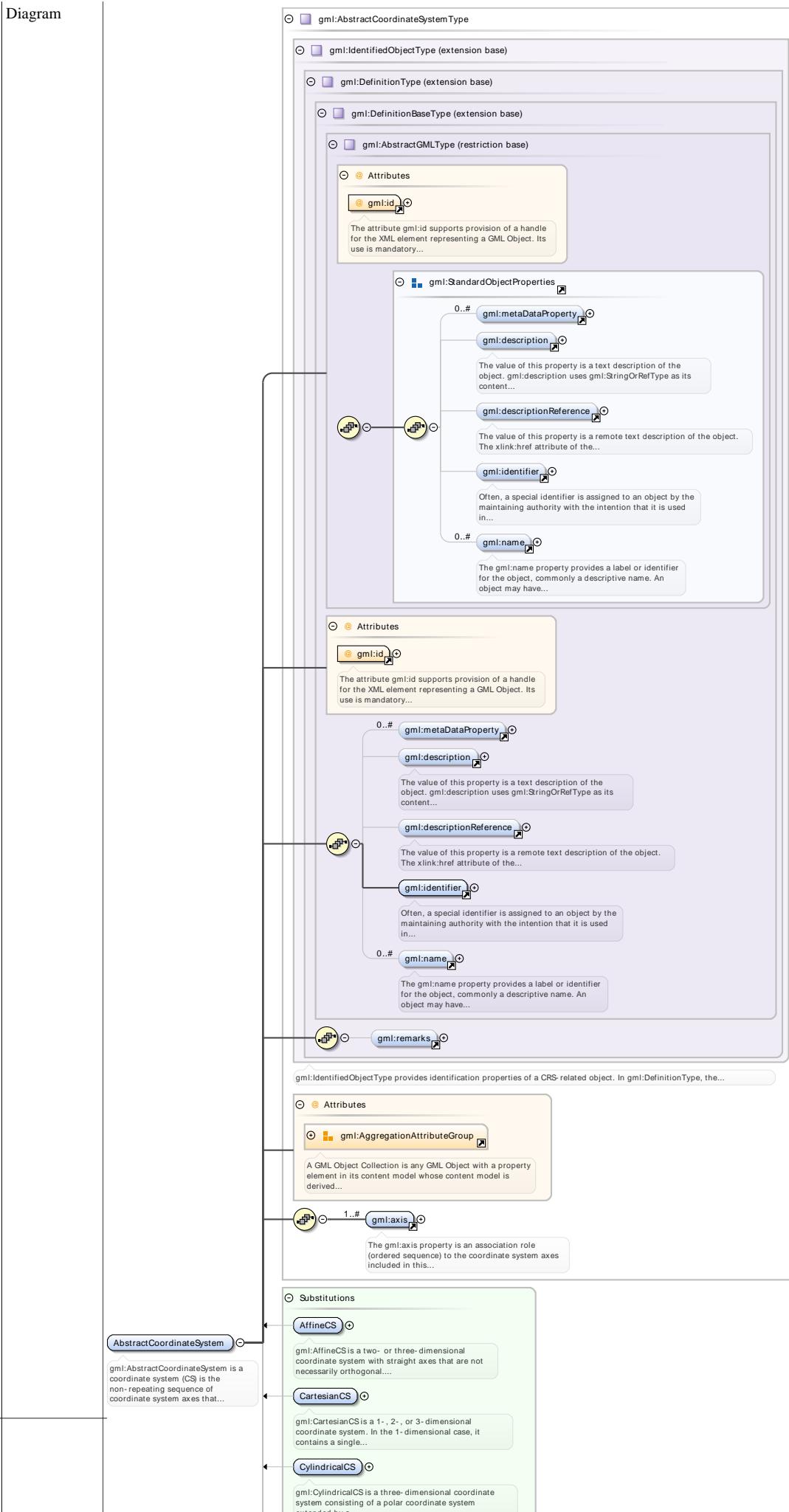
QName	Type	Fixed	Use	
<code>gml:remoteSchema</code>	anyURI		optional	
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
<code>xlink:role</code>	<code>xlink:roleType</code>		optional	

QName	Type	Fixed	Use	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Element **gml:AbstractCoordinateSystem**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:AbstractCoordinateSystem is a coordinate system (CS) is the non-repeating sequence of coordinate system axes that spans a given coordinate space. A CS is derived from a set of mathematical rules for specifying how coordinates in a given space are to be assigned to points. The coordinate values in a coordinate tuple shall be recorded in the order in which the coordinate system axes associations are recorded. This abstract complex type shall not be used, extended, or restricted, in an Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.</p>

Diagram

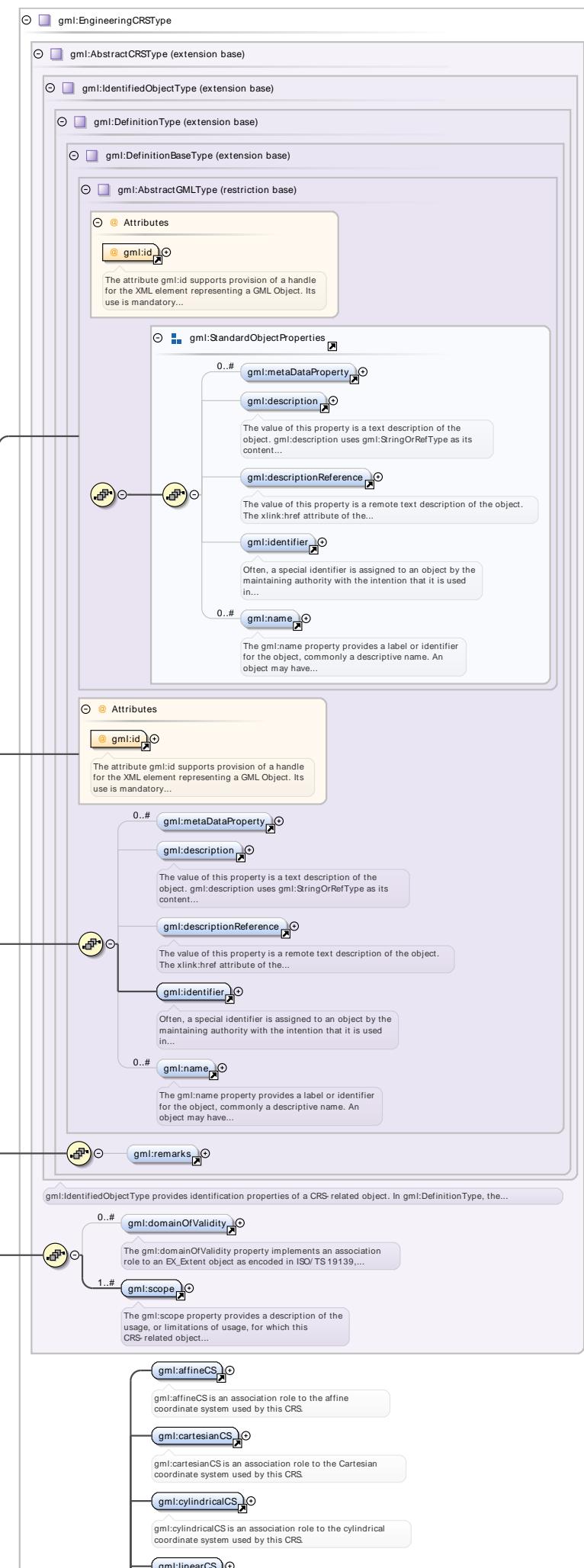


Type	gml:AbstractCoordinateSystemType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:EllipsoidalCS gml:CartesianCS gml:VerticalCS gml:TimeCS gml:LinearCS gml:UserDefinedCS gml:SphericalCS gml:PolarCS gml:CylindricalCS gml:AffineCS gml:TemporalCS gml:ObliqueCartesianCS 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName aggregationType gml:id	Type gml:AggregationType ID	Use optional required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:EngineeringCRS**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:EngineeringCRS is a contextually local coordinate reference system which can be divided into two broad categories: - earth-fixed systems applied to engineering activities on or near the surface of the earth; - CRSs on moving platforms such as road vehicles, vessels, aircraft, or spacecraft, see ISO 19111 8.3.

Diagram



Type	gml:EngineeringCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

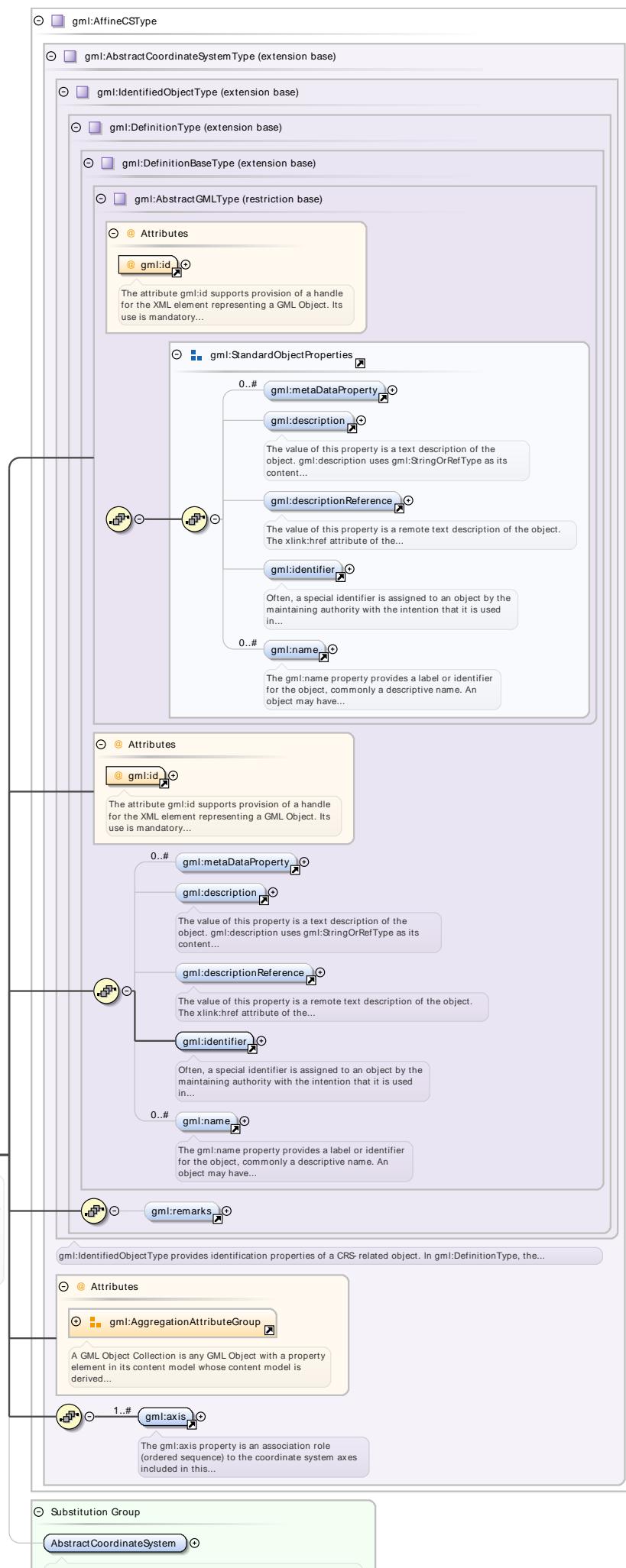
Element gml:affineCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:affineCS is an association role to the affine coordinate system used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:AffineCSPropertyType. It is a property type for association roles to an affine coordinate system. It includes an association attribute group (gml:AssociationAttributeGroup) and a usesAffineCS substitution. A note explains that XLink components support hypertext referencing in XML. The gml:AffineCS element is described as a two- or three-dimensional coordinate system with straight axes that are not necessarily orthogonal. A note also states that gml:AffineCSPropertyType is a property type for association roles to an affine coordinate system, either referencing or...</p>		
Type	gml:AffineCSPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesAffineCS		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:AffineCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:AffineCS is a two- or three-dimensional coordinate system with straight axes that are not necessarily orthogonal. An AffineCS shall have two or three gml:axis property elements; the number of property elements shall equal the dimension of the CS.		

Diagram



Type	gml:AffineCSType			
Properties	content: complex			
Substitution Group Affiliation	• gml:AbstractCoordinateSystem			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

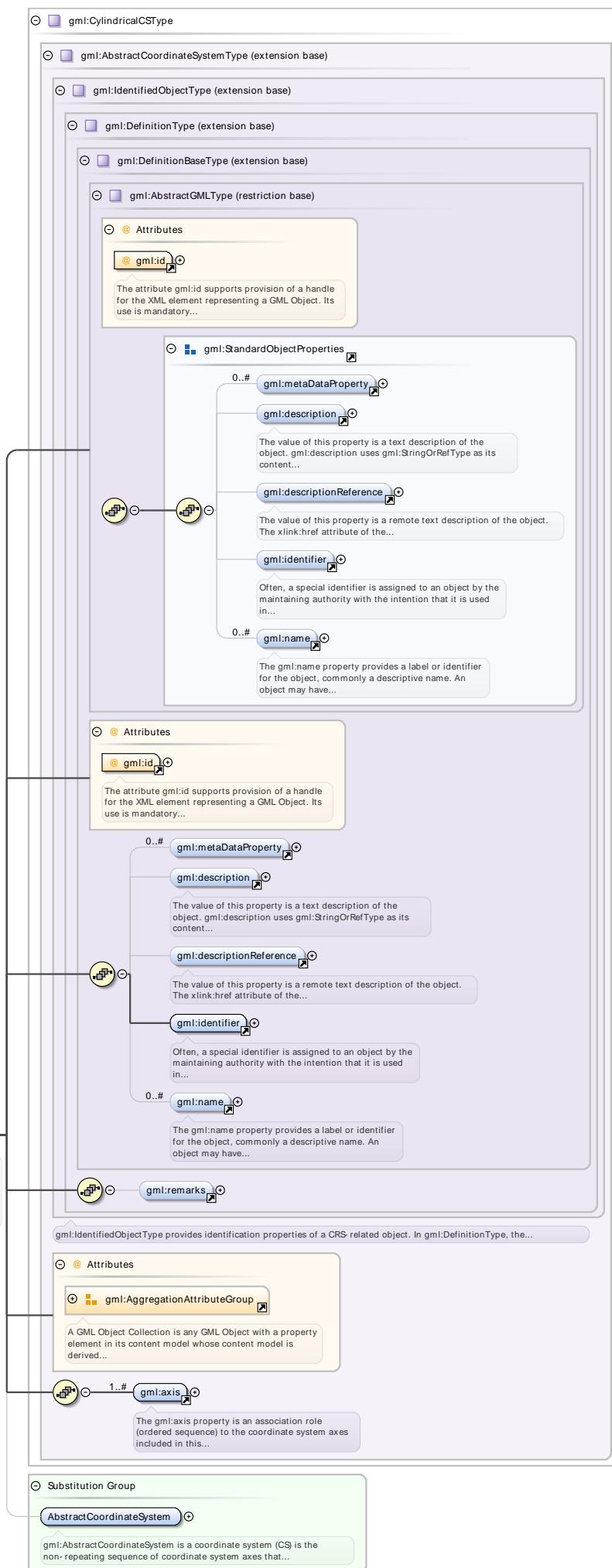
Element gml:cylindricalCS

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:cylindricalCS is an association role to the cylindrical coordinate system used by this CRS.			
Diagram	<p>The diagram illustrates the structure of the gml:CylindricalCSPropertyType. It is a property type for association roles to a cylindrical coordinate system. The type includes an 'Attributes' group containing an 'AssociationAttributeGroup'. A note explains that XLink components are used for hypertext referencing. The 'gml:cylindricalCS' element is shown as an association role to the cylindrical coordinate system used by this CRS.</p>			
Type	gml:CylindricalCSPropertyType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:CylindricalCS

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:CylindricalCS is a three-dimensional coordinate system consisting of a polar coordinate system extended by a straight coordinate axis perpendicular to the plane spanned by the polar coordinate system. A CylindricalCS shall have three gml:axis property elements.			

Diagram



Type	gml:CylindricalCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

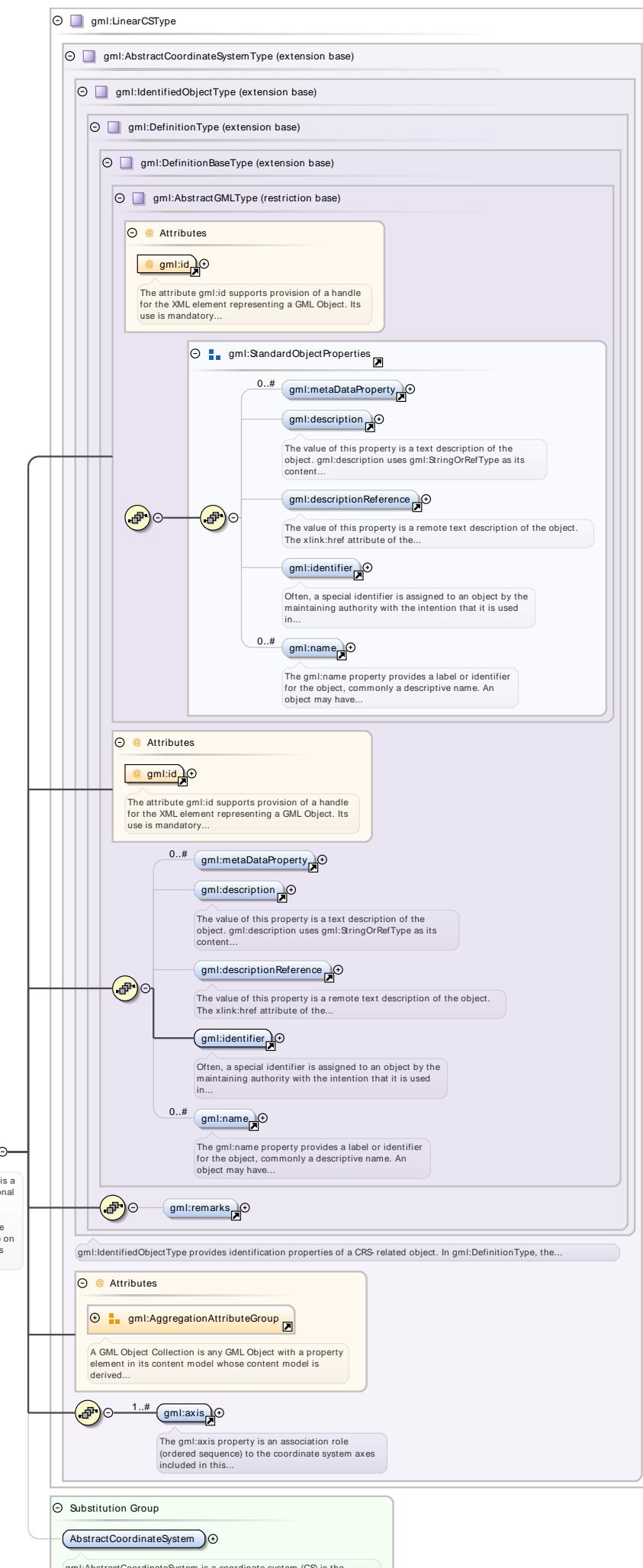
Element gml:linearCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:linearCS is an association role to the linear coordinate system used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:LinearCSPropertyType. It is a property type for association roles to a linear coordinate system. It contains an association attribute group (gml:AssociationAttributeGroup) which supports hypertext referencing in XML. The diagram also shows the definition of gml:LinearCS, which is a one-dimensional coordinate system consisting of points on a single axis.</p>		
Type	gml:LinearCSPropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
The use of these attributes is optional.			

Element gml:LinearCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:LinearCS is a one-dimensional coordinate system that consists of the points that lie on the single axis described. The associated coordinate is the distance – with or without offset – from the specified datum to the point along the axis. A LinearCS shall have one gml:axis property element.		

Diagram



Type	gml:LinearCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

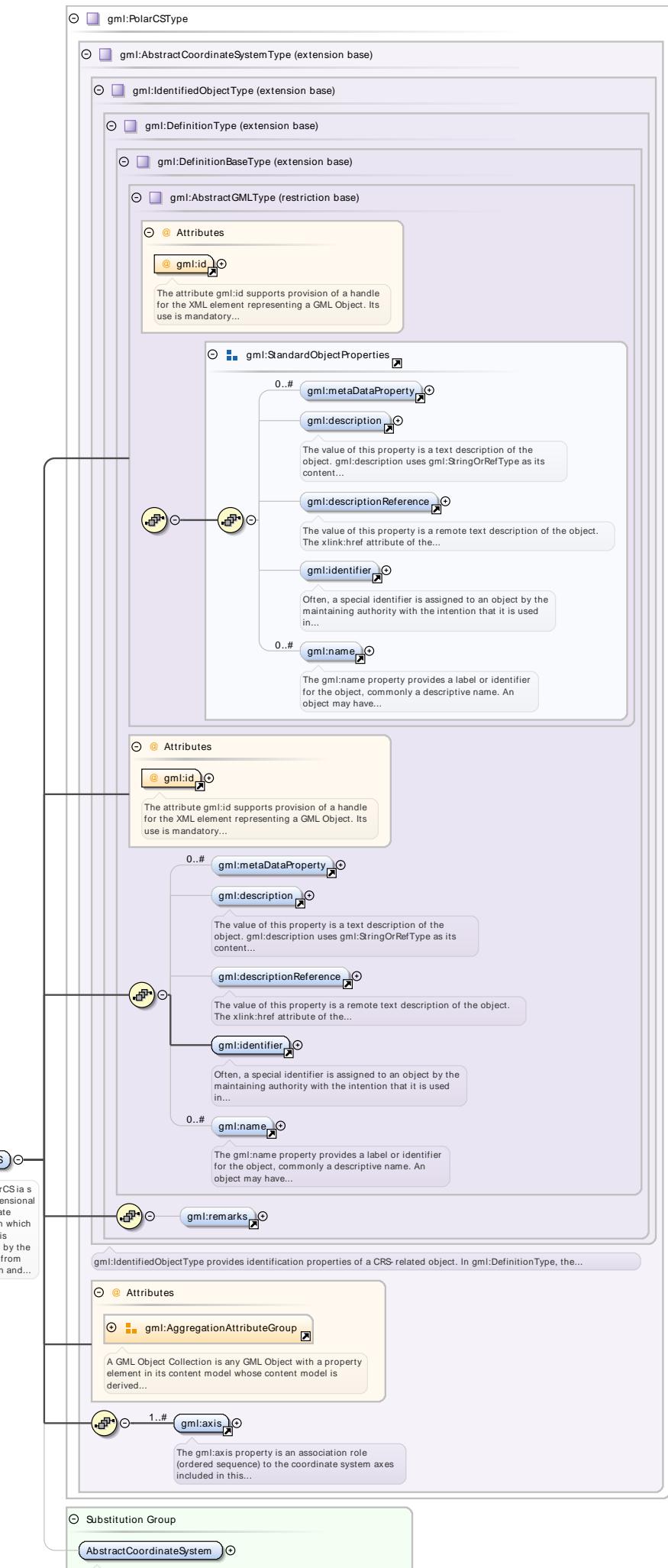
Element gml:polarCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:polarCS is an association role to the polar coordinate system used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:PolarCSPropertyType. It is a property type for association roles to a polar coordinate system. It includes an association attribute group (gml:AssociationAttributeGroup) which supports XLink components for hypertext referencing. The diagram also shows the gml:PolarCS element, which is a two-dimensional coordinate system defined by distance from the origin and an angle.</p>		
Type	gml:PolarCSPropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:PolarCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:PolarCS is a two-dimensional coordinate system in which position is specified by the distance from the origin and the angle between the line from the origin to a point and a reference direction. A PolarCS shall have two gml:axis property elements.		

Diagram



Type	gml:PolarCSType			
Properties	content: complex			
Substitution Group Affiliation	• gml:AbstractCoordinateSystem			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

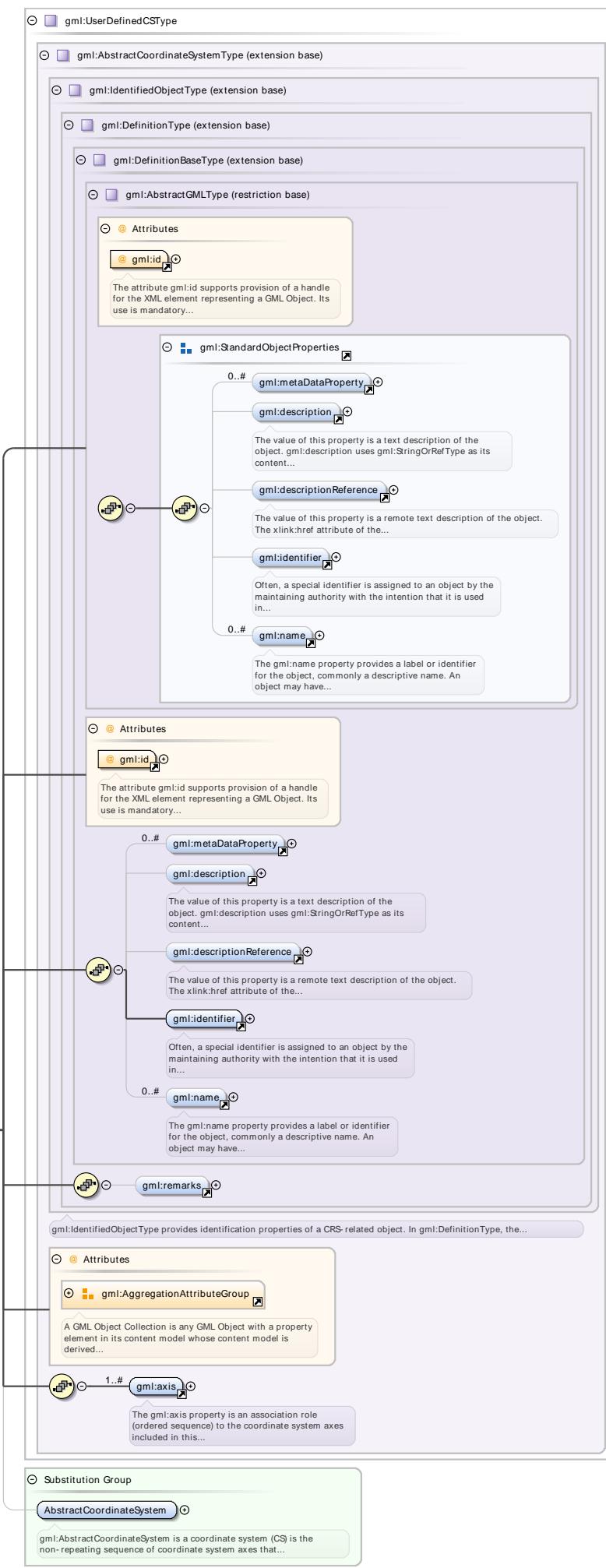
Element gml:userDefinedCS

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:userDefinedCS is an association role to the user defined coordinate system used by this CRS.			
Diagram	<p>The diagram illustrates the structure of the gml:UserDefinedCSPropertyType. It is a property type for association roles to a user-defined coordinate system. The type is defined by the gml:UserDefinedCS element, which is associated with the gml:UserDefinedCSPropertyType. The gml:UserDefinedCSPropertyType has attributes, including the gml:AssociationAttributeGroup, which supports XLink components for hypertext referencing. The gml:UserDefinedCS is described as a two- or three-dimensional coordinate system consisting of any combination of coordinate axes.</p>			
Type	gml:UserDefinedCSPropertyType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:UserDefinedCS

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:UserDefinedCS is a two- or three-dimensional coordinate system that consists of any combination of coordinate axes not covered by any other coordinate system type. A UserDefinedCS shall have two or three gml:axis property elements; the number of property elements shall equal the dimension of the CS.			

Diagram



Type	gml:UserDefinedCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

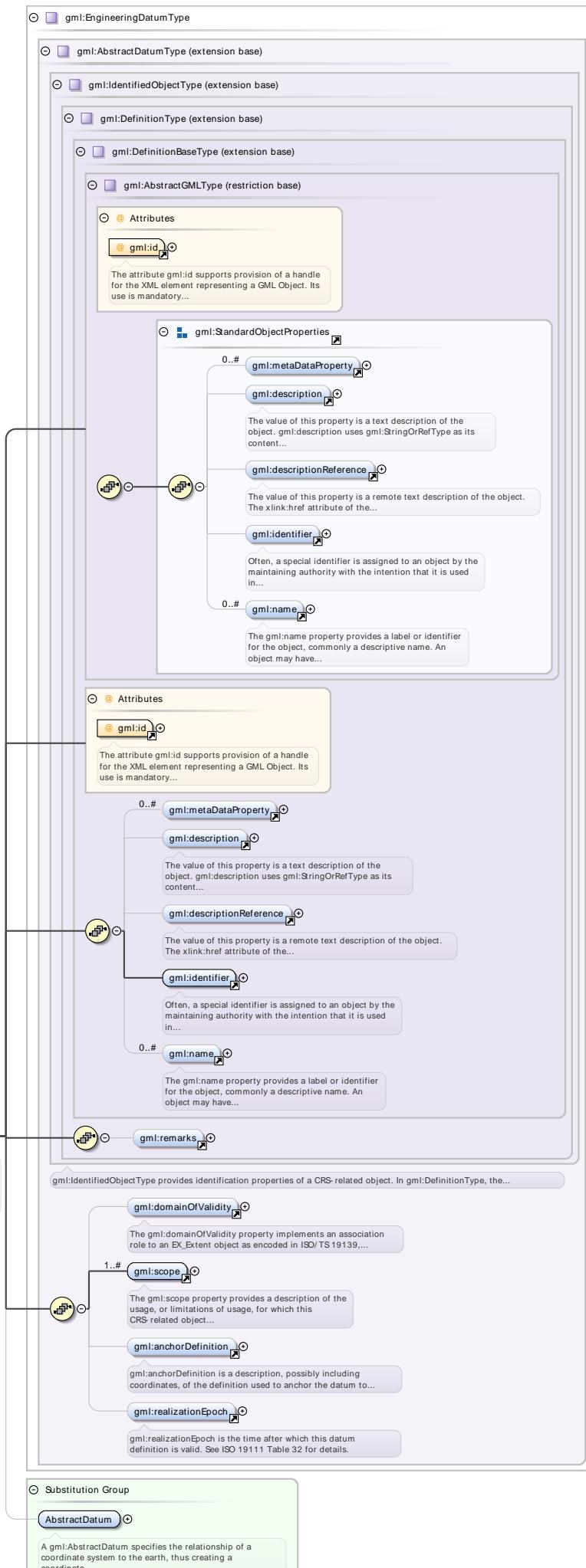
Element gml:engineeringDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:engineeringDatum is an association role to the engineering datum used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:EngineeringDatumPropertyType. It starts with a box for 'gml:EngineeringDatumPropertyType' containing an 'Attributes' section with a 'gml:AssociationAttributeGroup'. A callout box explains that XLink components support hypertext referencing. Below is the 'gml:EngineeringDatum' element, with a callout explaining its definition. A 'Substitutions' section shows 'usesEngineeringDatum'.</p> <p>engineeringDatum is an association role to the engineering datum used by this CRS.</p>		
Type	gml:EngineeringDatumPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesEngineeringDatum		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:EngineeringDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:EngineeringDatum defines the origin of an engineering coordinate reference system, and is used in a region around that origin. This origin may be fixed with respect to the earth (such as a defined point at a construction site), or be a defined point on a moving vehicle (such as on a ship or satellite).		

Diagram

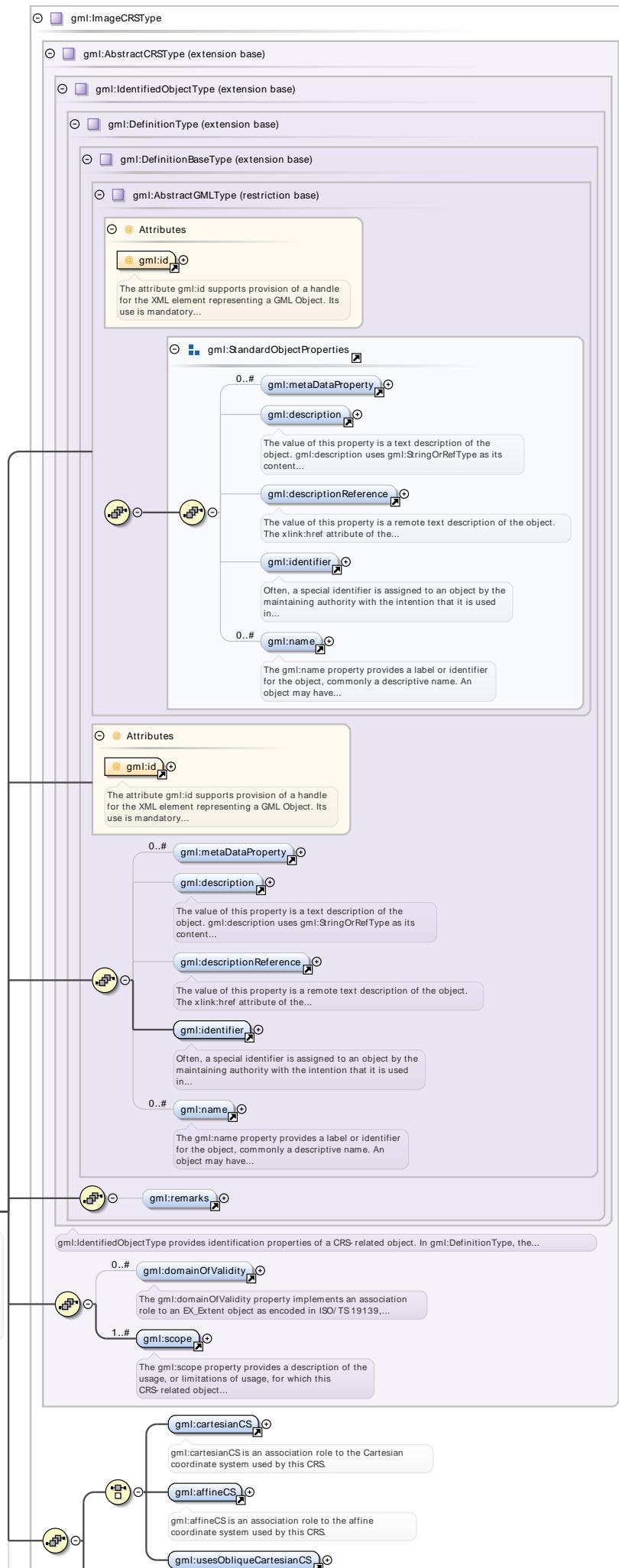


Type	gml:EngineeringDatumType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractDatum		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:ImageCRS**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:ImageCRS is an engineering coordinate reference system applied to locations in images. Image coordinate reference systems are treated as a separate sub-type because the definition of the associated image datum contains two attributes not relevant to other engineering datums.

Diagram



Type	gml:ImageCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

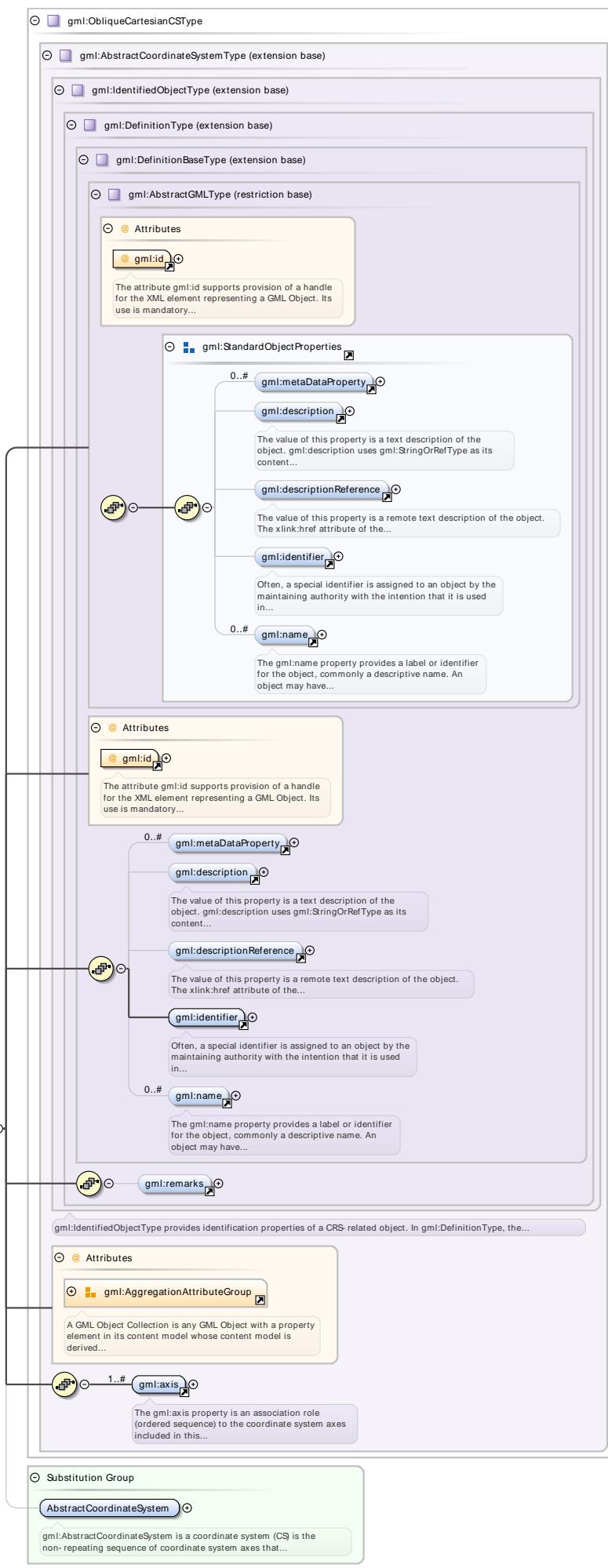
Element gml:usesObliqueCartesianCS

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<pre> classDiagram class gml:ObliqueCartesianCSPropertyType { gml:AssociationAttributeGroup } gml:ObliqueCartesianCSPropertyType "1" -- "1" gml:ObliqueCartesianCS : usesObliqueCartesianCS note over gml:AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group, ... </pre>		
Type	gml:ObliqueCartesianCSPropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:ObliqueCartesianCS

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram



Type	gml:ObliqueCartesianCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

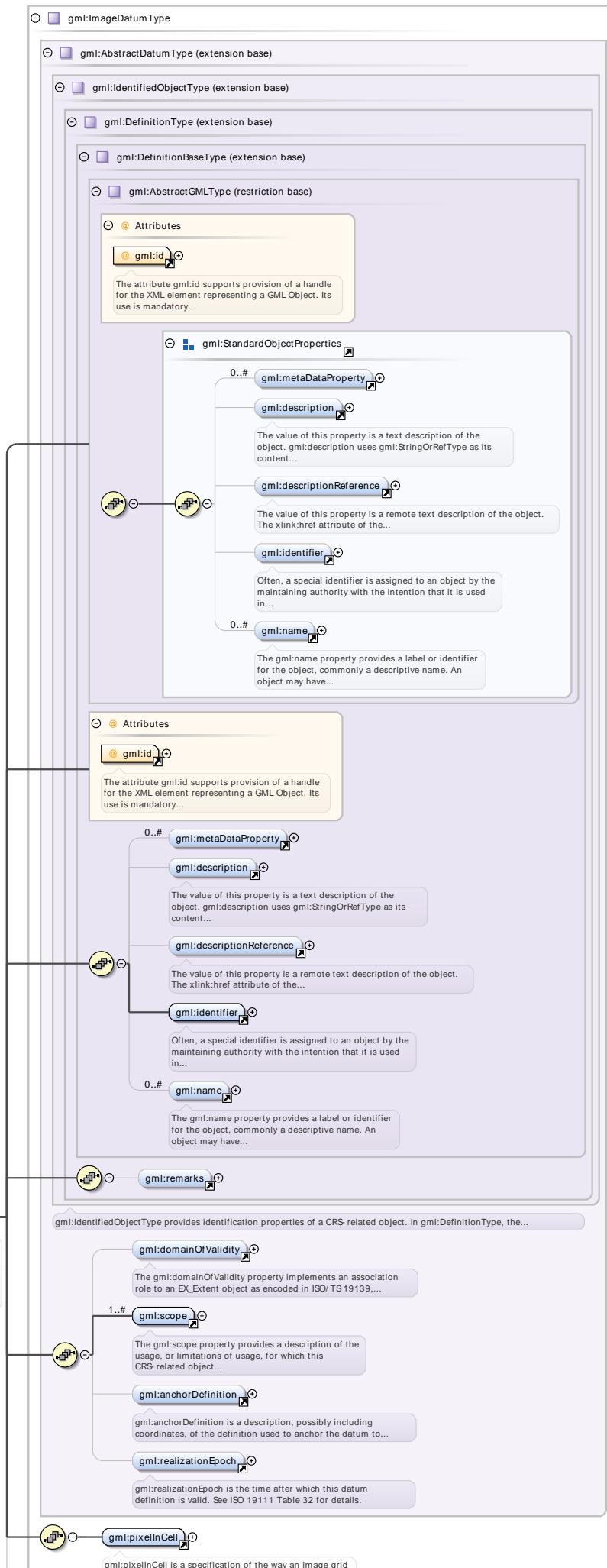
Element gml:imageDatum

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:imageDatum is an association role to the image datum used by this CRS.			
Diagram	<p>The diagram illustrates the structure of the gml:ImageDatumPropertyType. It is a property type for association roles to an image datum, either referencing or containing. The diagram shows the following components:</p> <ul style="list-style-type: none"> gml:ImageDatumPropertyType: The main property type. Attributes: A group containing the gml:AssociationAttributeGroup. gml:ImageDatum: The association role to the image datum. Substitutions: A group containing the usesImageDatum substitution. Annotations: <ul style="list-style-type: none"> gml:imageDatum: An association role to the image datum used by this CRS. XLink components: Standard method to support hypertext referencing in XML. An XML Schema attribute group... gml:ImageDatum: Defines the origin of an image coordinate reference system, and is used in a local context only. For an... gml:ImageDatumPropertyType: A property type for association roles to an image datum, either referencing or containing... 			
Type	gml:ImageDatumPropertyType			
Properties	content: complex			
Substitution Group	• gml:usesImageDatum			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:ImageDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:ImageDatum defines the origin of an image coordinate reference system, and is used in a local context only. For an image datum, the anchor definition is usually either the centre of the image or the corner of the image. For more information, see ISO 19111 B.3.5.		

Diagram



Type	gml:ImageDatumType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractDatum		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

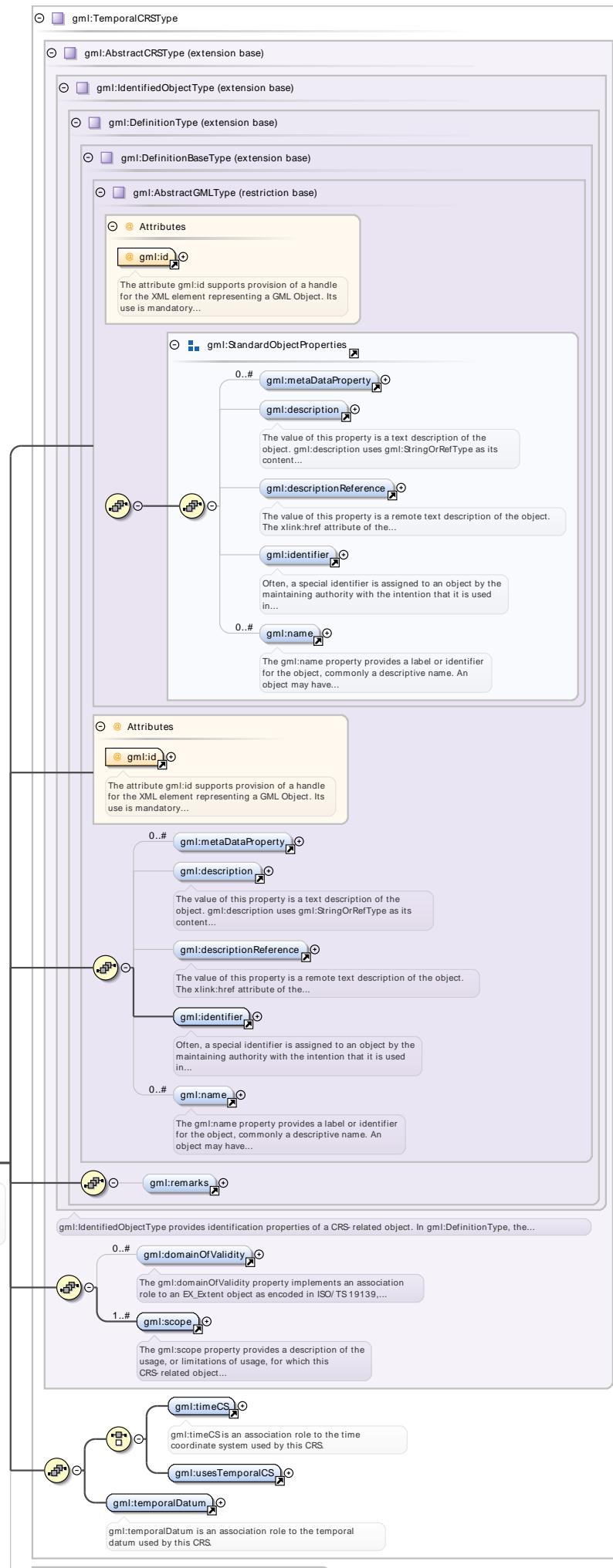
Element **gml:pixelInCell**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:pixelInCell is a specification of the way an image grid is associated with the image data attributes. The required codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.		
Diagram	<p>gml:pixelInCell is a specification of the way an image grid is associated with the image data attributes. The required...</p> <p>gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term,...</p> <p>gml:CodeWithAuthorityType requires that the codeSpace attribute is provided in an instance.</p>		
Type	gml:CodeWithAuthorityType		
Properties	content: complex		
Attributes	QName	Type	Use
	codeSpace	anyURI	required

Element **gml:TemporalCRS**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:TemporalCRS is a 1D coordinate reference system used for the recording of time.		

Diagram



Type	gml:TemporalCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

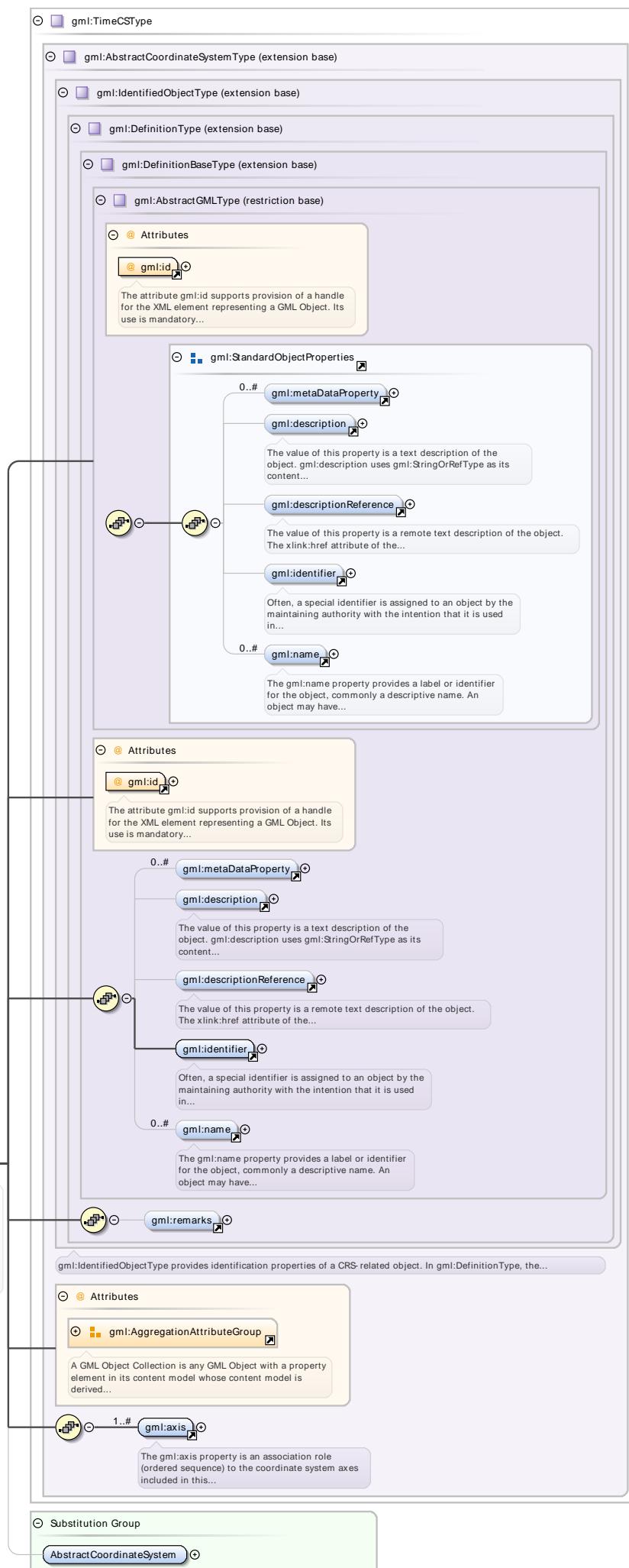
Element gml:timeCS

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:timeCS is an association role to the time coordinate system used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:TimeCSPropertyType. It shows a central box for 'gml:TimeCSPropertyType' with an 'Attributes' group containing an 'AssociationAttributeGroup'. A callout box explains that XLink components support hypertext referencing. Below is a 'gml:TimeCS' element with a description: 'gml:TimeCS is a one-dimensional coordinate system containing a time axis, used to describe the temporal position of a...'. A 'Substitutions' group contains 'usesTimeCS'. A callout box for 'usesTimeCS' states: 'gml:TimeCSPropertyType is a property type for association roles to a time coordinate system, either referencing or...'. A 'timeCS' association is also shown.</p>		
Type	gml:TimeCSPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesTimeCS		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:TimeCS

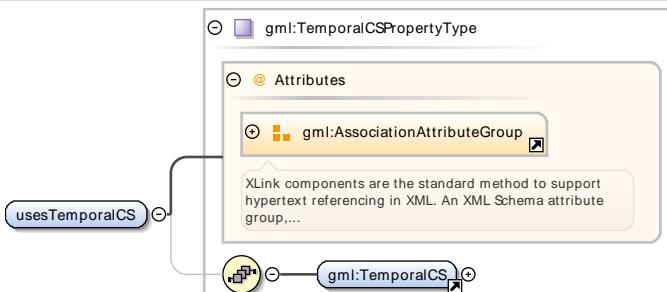
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:TimeCS is a one-dimensional coordinate system containing a time axis, used to describe the temporal position of a point in the specified time units from a specified time origin. A TimeCS shall have one gml:axis property element.		

Diagram



Type	gml:TimeCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

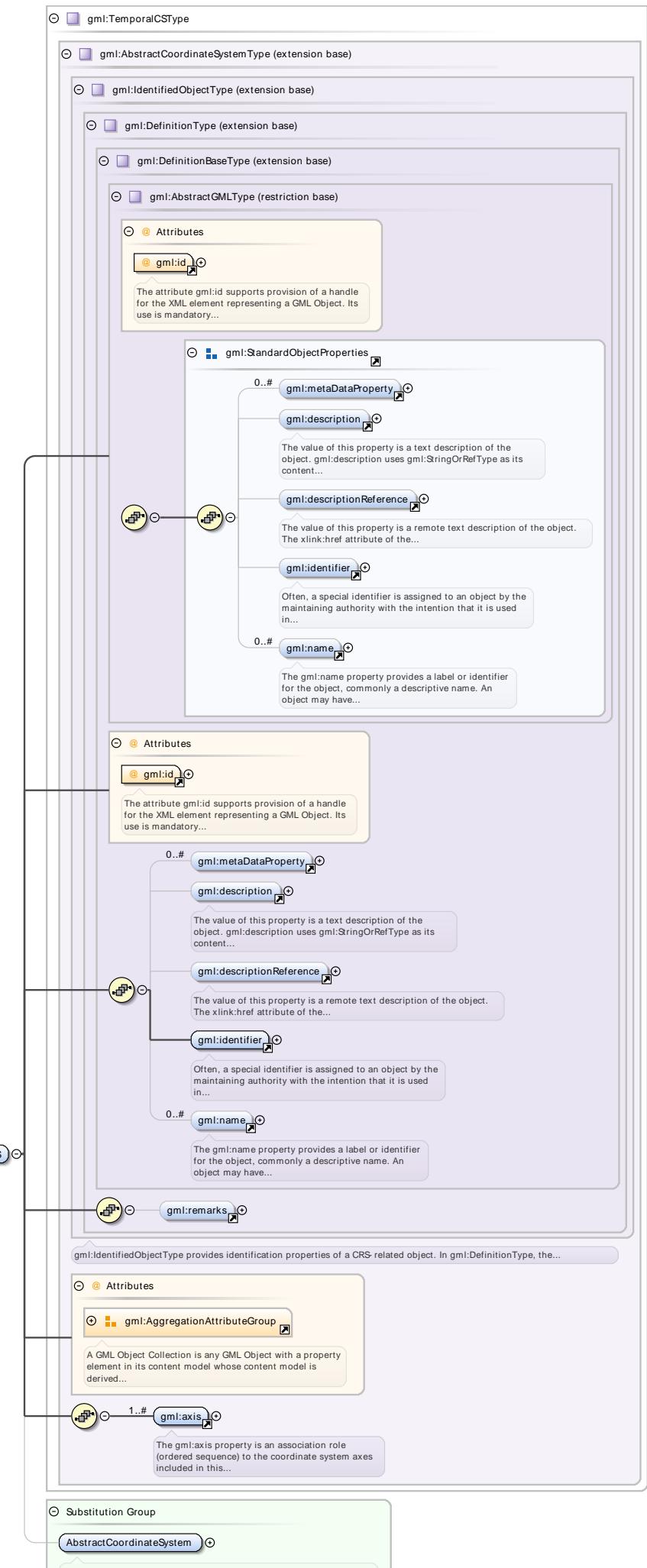
Element gml:usesTemporalCS

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Type	gml:TemporalCSPropertyType			
Properties	content: complex			
Attributes	QName	Type	Fixed	
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:TemporalCS

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram



Type	gml:TemporalCSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateSystem		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

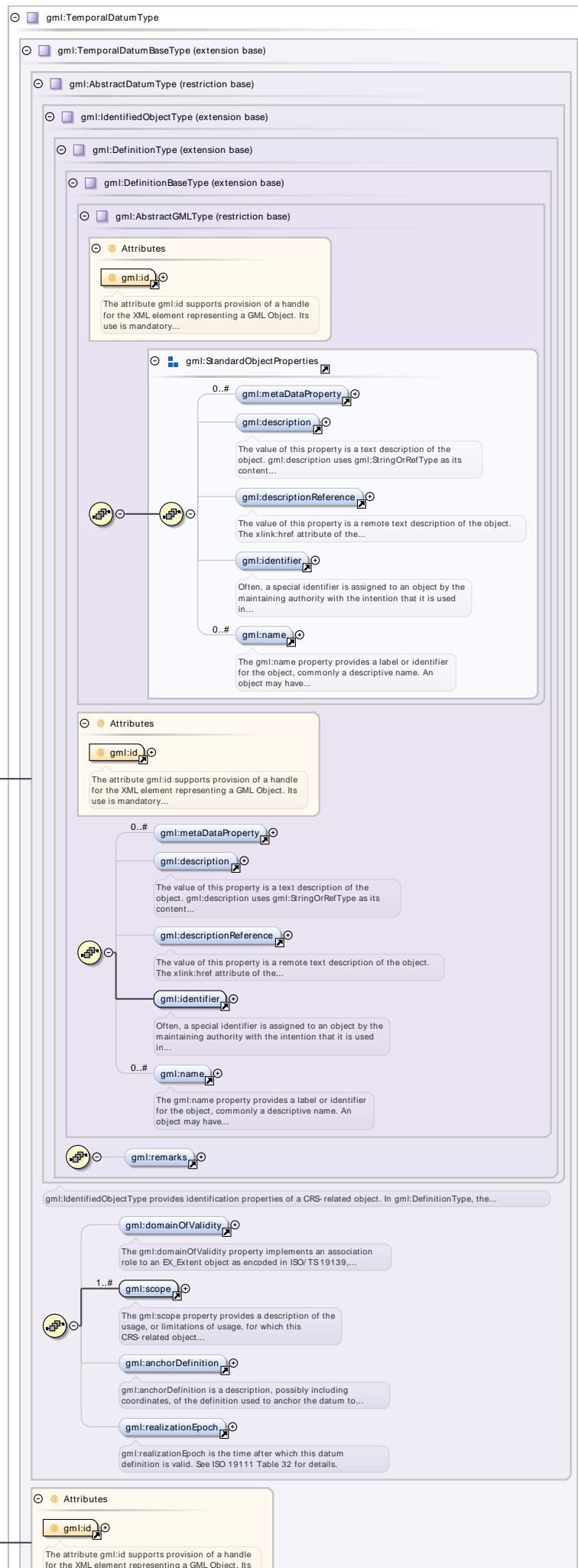
Element gml:temporalDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:temporalDatum is an association role to the temporal datum used by this CRS.		
Diagram	<p>The diagram illustrates the structure of the gml:TemporalDatumPropertyType. It starts with a main box labeled 'gml:TemporalDatumPropertyType' containing an 'Attributes' section with a 'gml:AssociationAttributeGroup'. Below this is a 'gml:TemporalDatum' element. A callout box provides a detailed description of 'gml:TemporalDatum' as defining the origin of a Temporal Reference System. Another callout box describes 'gml:TemporalDatumPropertyType' as a property type for association roles. A separate box labeled 'temporalDatum' is shown with an association role to 'gml:temporalDatum'. A callout box for 'temporalDatum' states that it is an association role to the temporal datum used by this CRS.</p>		
Type	gml:TemporalDatumPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesTemporalDatum		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:TemporalDatum

Namespace	http://www.opengis.net/gml/3.2		
Annotations	A gml:TemporalDatum defines the origin of a Temporal Reference System. This type omits the "anchorDefinition" and "realizationEpoch" elements and adds the "origin" element with the dateTime type.		

Diagram



Type	gml:TemporalDatumType										
Properties	content: complex										
Substitution Group Affiliation	• gml:AbstractDatum										
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <td></td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </table>	QName	Type	Use		gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use									
gml:id	ID	required									

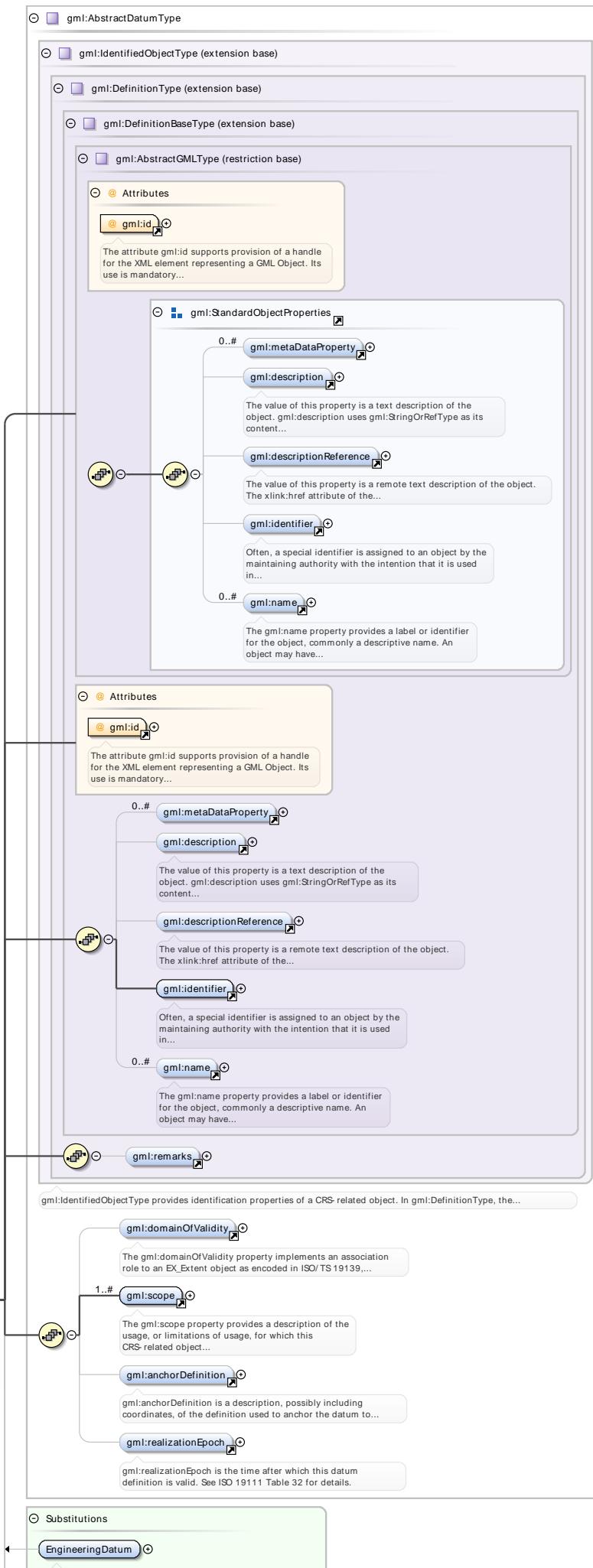
Element **gml:origin**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:origin is the date and time origin of this temporal datum.		
Diagram	<pre> classDiagram class gml:origin class gml:dateTime gml:origin < -- gml:dateTime </pre> <p>gml:origin is the date and time origin of this temporal datum.</p> <p>dateTime is a built-in primitive type. The dateTime datatype represents a specific instant of time.</p>		
Type	dateTime		
Properties	content: simple		

Element **gml:AbstractDatum**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	A gml:AbstractDatum specifies the relationship of a coordinate system to the earth, thus creating a coordinate reference system. A datum uses a parameter or set of parameters that determine the location of the origin of the coordinate reference system. Each datum subtype may be associated with only specific types of coordinate systems. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.		

Diagram

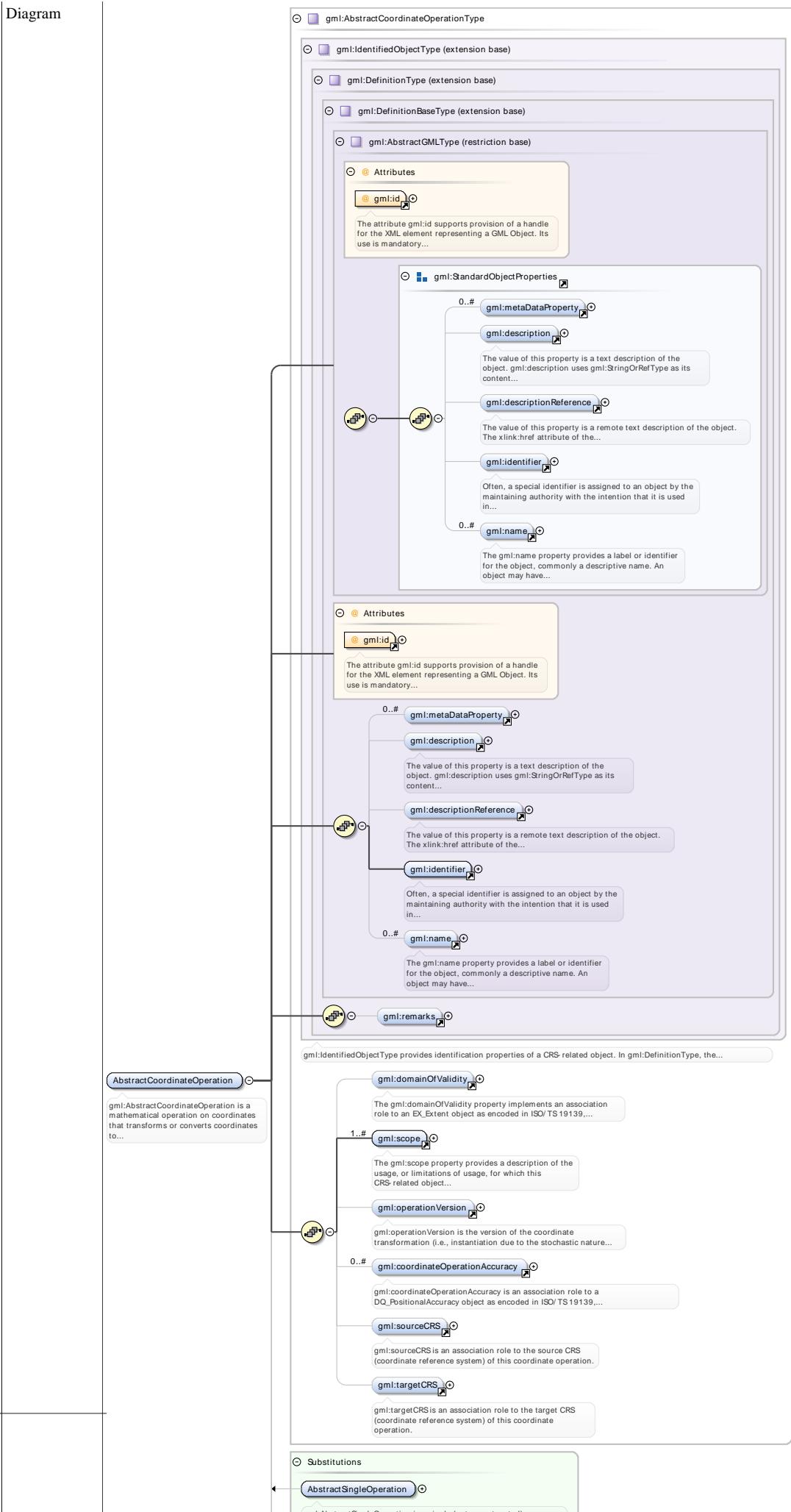


Type	gml:AbstractDatumType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:GeodeticDatum gml:EngineeringDatum gml:ImageDatum gml:VerticalDatum gml:TemporalDatum 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:AbstractCoordinateOperation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:AbstractCoordinateOperation is a mathematical operation on coordinates that transforms or converts coordinates to another coordinate reference system. Many but not all coordinate operations (from CRS A to CRS B) also uniquely define the inverse operation (from CRS B to CRS A). In some cases, the operation method algorithm for the inverse operation is the same as for the forward algorithm, but the signs of some operation parameter values shall be reversed. In other cases, different algorithms are required for the forward and inverse operations, but the same operation parameter values are used. If (some) entirely different parameter values are needed, a different coordinate operation shall be defined. The optional coordinateOperationAccuracy property elements provide estimates of the impact of this coordinate operation on point position accuracy.</p>

Diagram

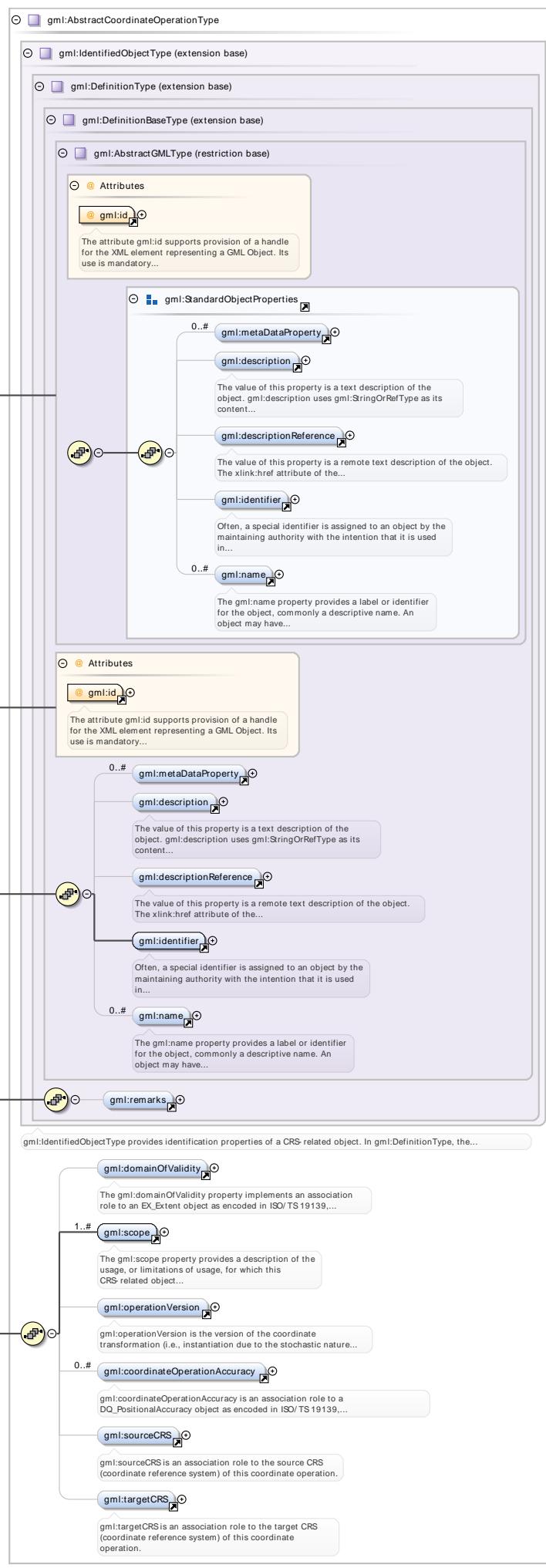


Type	gml:AbstractCoordinateOperationType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:AbstractSingleOperation gml:ConcatenatedOperation gml:PassThroughOperation gml:AbstractOperation gml:AbstractGeneralConversion gml:Conversion gml:AbstractGeneralTransformation gml:Transformation 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:AbstractSingleOperation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:AbstractSingleOperation is a single (not concatenated) coordinate operation.

Diagram

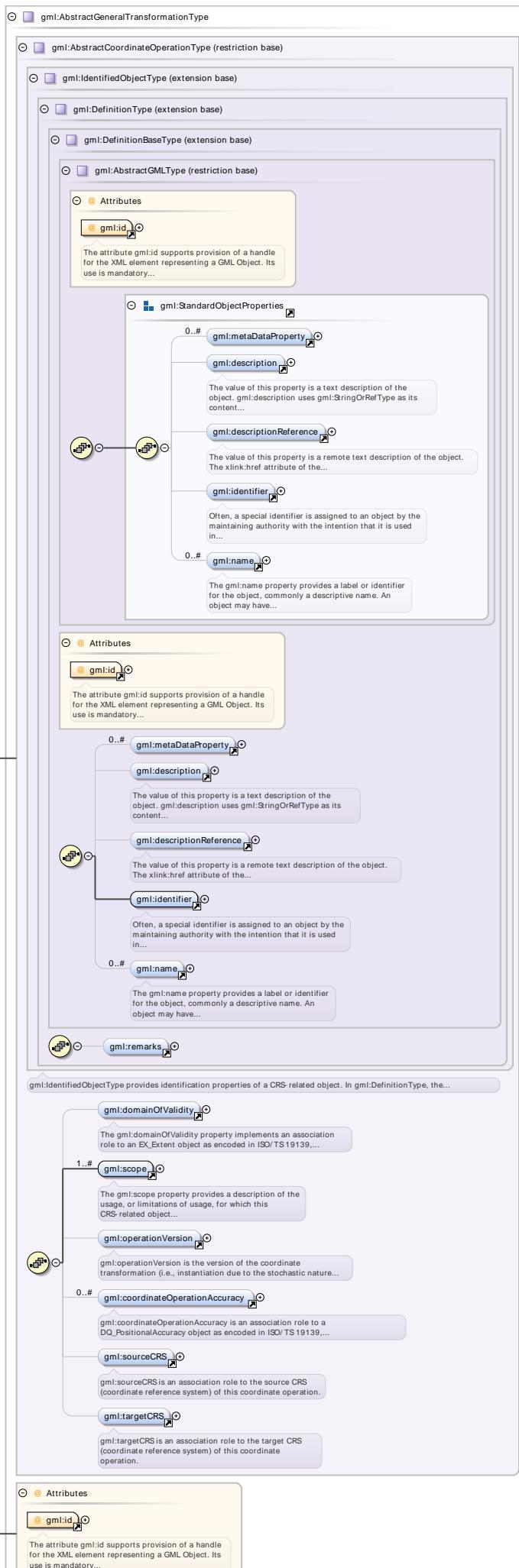


Type	gml:AbstractCoordinateOperationType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:PassThroughOperation gml:AbstractOperation gml:AbstractGeneralConversion gml:Conversion gml:AbstractGeneralTransformation gml:Transformation 		
Substitution Group Affiliation	gml:AbstractCoordinateOperation		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:AbstractGeneralTransformation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:AbstractGeneralTransformation is an abstract operation on coordinates that usually includes a change of Datum. The parameters of a coordinate transformation are empirically derived from data containing the coordinates of a series of points in both coordinate reference systems. This computational process is usually "over-determined", allowing derivation of error (or accuracy) estimates for the transformation. Also, the stochastic nature of the parameters may result in multiple (different) versions of the same coordinate transformation. The operationVersion, sourceCRS, and targetCRS proeprty elements are mandatory in a coordinate transformation. This abstract complex type is expected to be extended for well-known operation methods with many Transformation instances, in Application Schemas that define operation-method-specialized value element names and contents. This transformation uses an operation method with associated parameter values. However, operation methods and parameter values are directly associated with concrete subtypes, not with this abstract type. All concrete types derived from this type shall extend this type to include a "usesMethod" element that references one "OperationMethod" element. Similarly, all concrete types derived from this type shall extend this type to include one or more elements each named "uses...Value" that each use the type of an element substitutable for the "AbstractGeneralParameterValue" element.</p>

Diagram

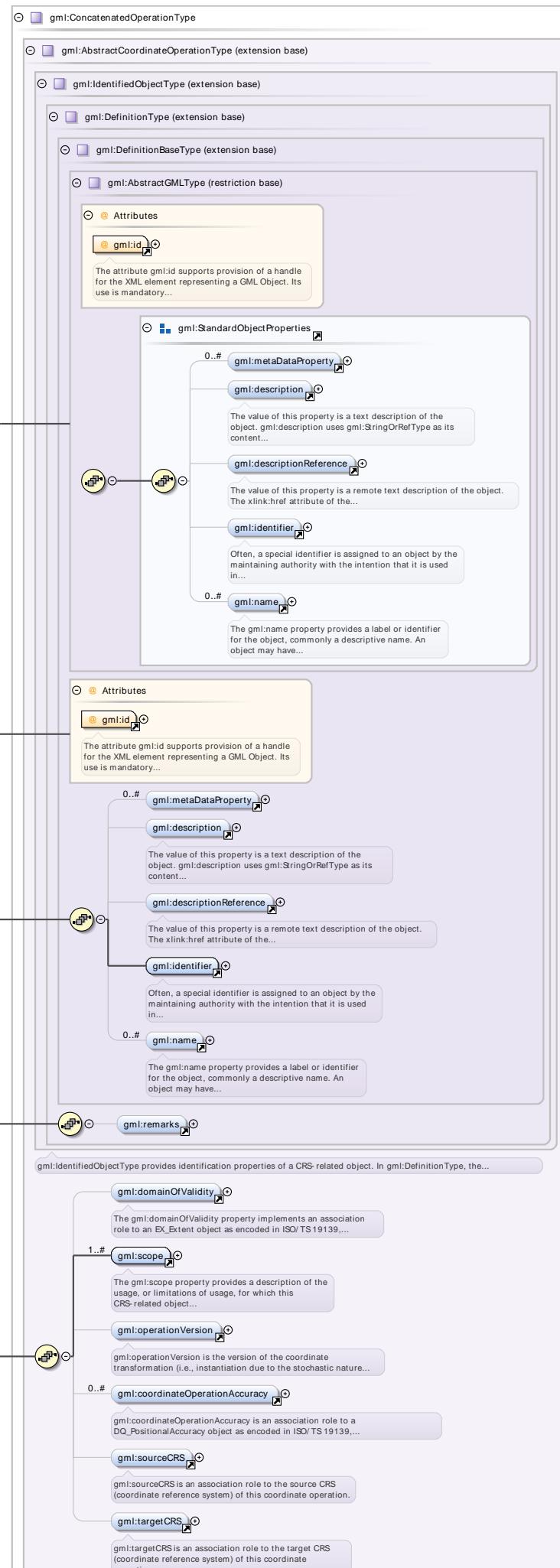


Type	gml:AbstractGeneralTransformationType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:Transformation 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractOperation 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:ConcatenatedOperation

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	gml:ConcatenatedOperationType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractCoordinateOperation		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:coordOperation

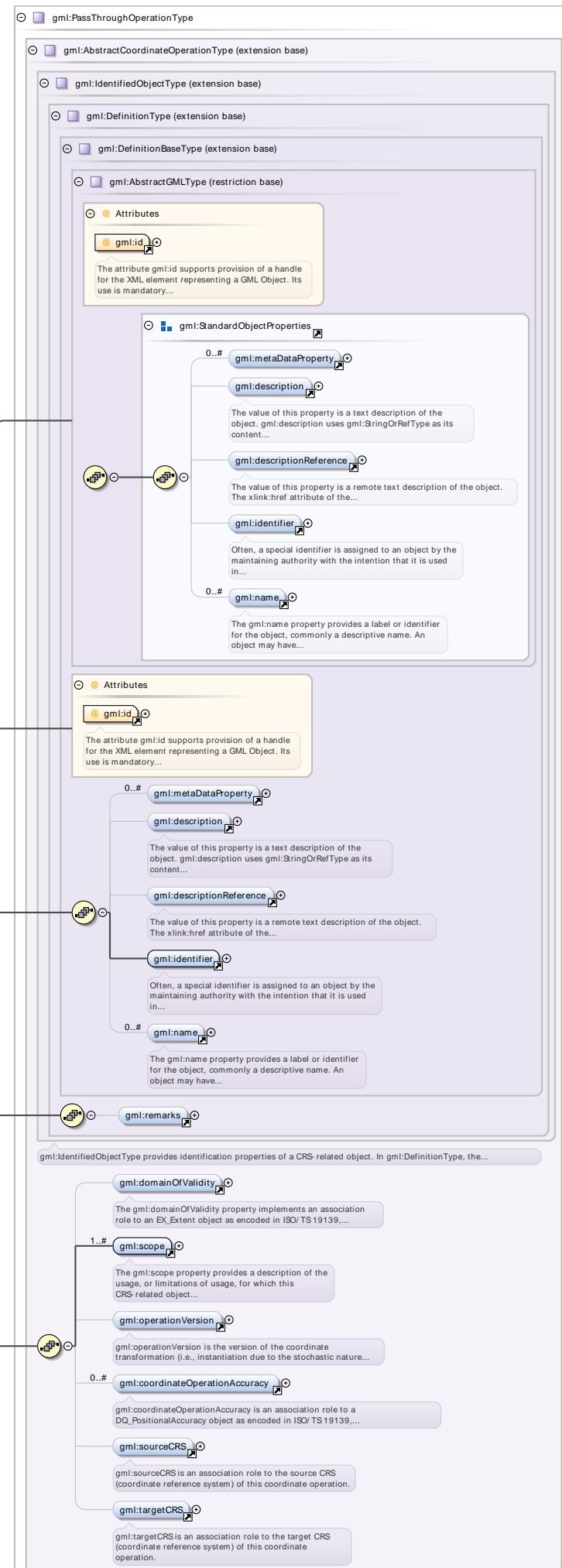
Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:coordOperation is an association role to a coordinate operation.			
Diagram	<p>The diagram illustrates the structure of the gml:coordOperation element. It is a property type for association roles to a coordinate operation. It includes attributes for aggregation type and ID, and associations to gml:AbstractCoordinateOperation and gml:CoordinateOperationPropertyType. The diagram also shows the use of XLink components for hypertext referencing.</p>			
Type	gml:CoordinateOperationPropertyType			
Properties	content: complex			
Substitution Group	• gml:usesSingleOperation • gml:usesOperation			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:PassThroughOperation

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:PassThroughOperation is a pass-through operation specifies that a subset of a coordinate tuple is subject to a specific coordinate operation. The modifiedCoordinate property elements are an ordered sequence of positive integers defining the positions		

in a coordinate tuple of the coordinates affected by this pass-through operation. The AggregationAttributeGroup should be used to specify that the modifiedCoordinate elements are ordered.

Diagram



Type	gml:PassThroughOperationType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleOperation		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

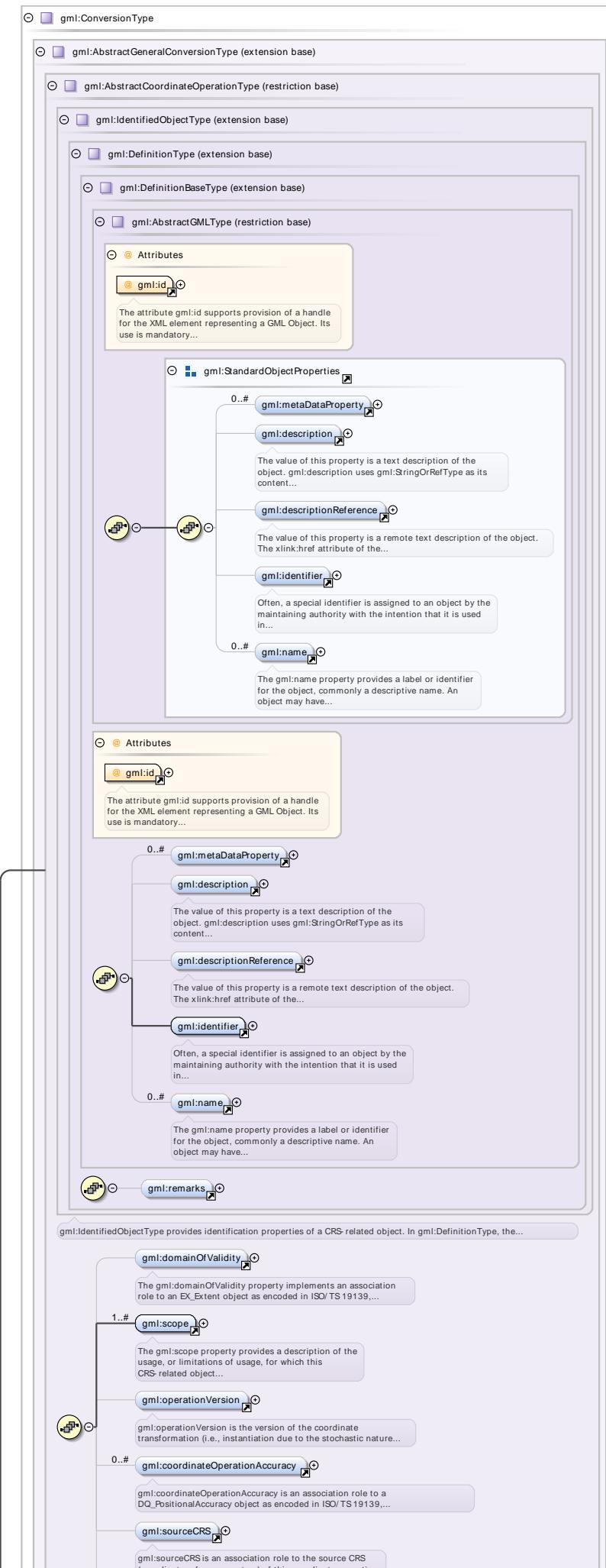
Element **gml:modifiedCoordinate**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:modifiedCoordinate is a positive integer defining a position in a coordinate tuple.
Diagram	
Type	positiveInteger
Properties	content: simple

Element **gml:Conversion**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:Conversion is a concrete operation on coordinates that does not include any change of Datum. The best-known example of a coordinate conversion is a map projection. The parameters describing coordinate conversions are defined rather than empirically derived. Note that some conversions have no parameters. This concrete complex type can be used without using a GML Application Schema that defines operation-method-specialized element names and contents, especially for methods with only one Conversion instance. The usesValue property elements are an unordered list of composition associations to the set of parameter values used by this conversion operation.

Diagram



Type	gml:ConversionType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeneralConversion		
Attributes	QName gml:id	Type ID	Use required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

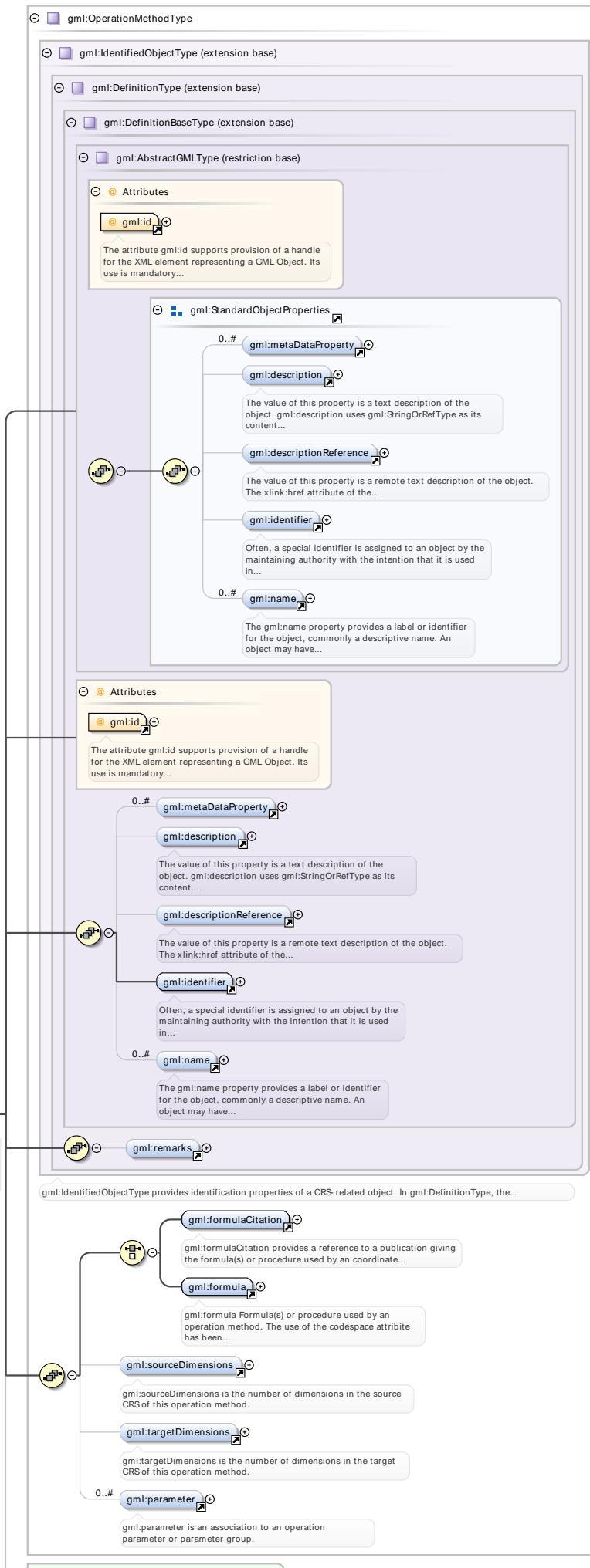
Element gml:method

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:method is an association role to the operation method used by a coordinate operation.		
Diagram	<p>The diagram illustrates the structure of the gml:OperationMethodPropertyType. It shows a central box for 'gml:OperationMethodPropertyType' with an 'Attributes' section containing 'gml:AssociationAttributeGroup'. This group is described as supporting XLink components for hypertext referencing. Below this is the 'gml:OperationMethod' element, which is described as a method used for coordinate operations. A 'usesMethod' substitution is also shown. A callout box provides a detailed description of 'gml:method' as an association role to the operation method used by a coordinate operation.</p>		
Type	gml:OperationMethodPropertyType		
Properties	content: complex		
Substitution Group	• gml:usesMethod		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed Use optional optional optional optional optional optional optional optional optional

Element gml:OperationMethod

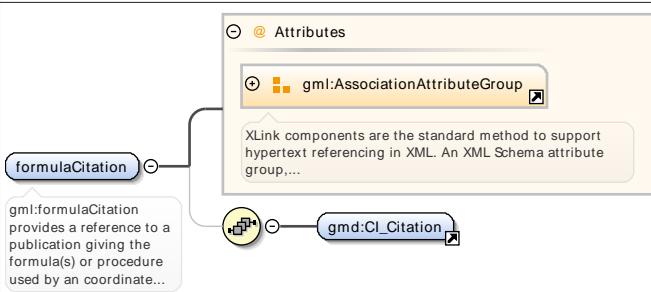
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:OperationMethod is a method (algorithm or procedure) used to perform a coordinate operation. Most operation methods use a number of operation parameters, although some coordinate conversions use none. Each coordinate operation using the method assigns values to these parameters. The parameter elements are an unordered list of associations to the set of operation parameters and parameter groups used by this operation method.		

Diagram



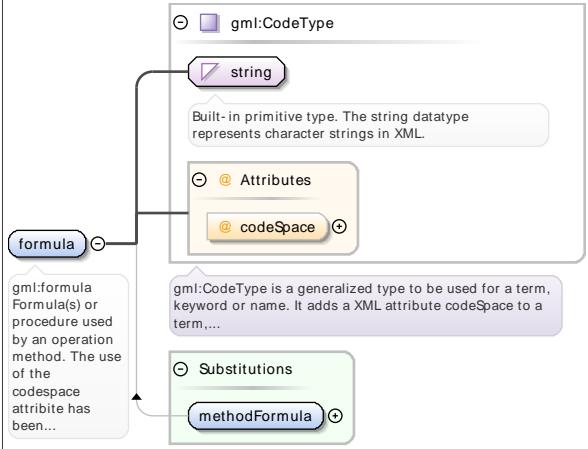
Type	gml:OperationMethodType		
Properties	content: complex		
Substitution Group Affiliation	• gml:Definition		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:formulaCitation

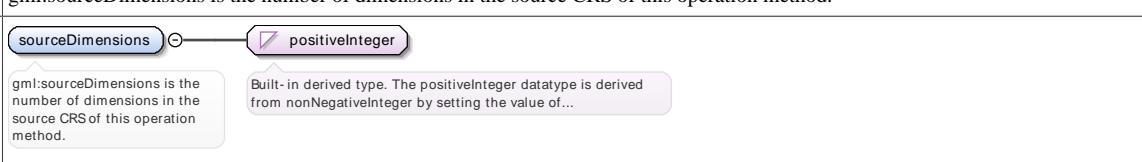
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:formulaCitation provides a reference to a publication giving the formula(s) or procedure used by an coordinate operation method.		
Diagram			
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	optional
	nilReason	gml:NilReasonType	optional
	xlink:actuate	xlink:actuateType	optional
	xlink:arcrole	xlink:arcroleType	optional
	xlink:href	xlink:hrefType	optional
	xlink:role	xlink:roleType	optional
	xlink:show	xlink:showType	optional
	xlink:title	xlink:titleAttrType	optional
	xlink:type	xlink:typeType	simple

Element gml:formula

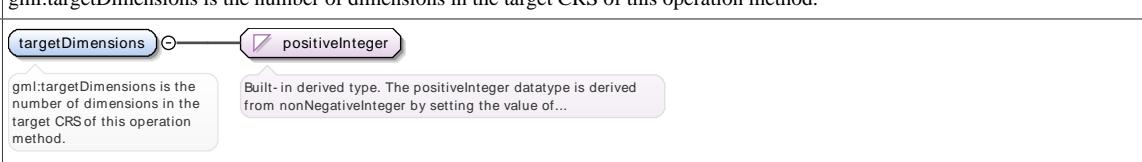
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:formula Formula(s) or procedure used by an operation method. The use of the codespace attribute has been deprecated. The property value shall be a character string.		

Diagram									
Type	gml:CodeType								
Properties	content: complex								
Substitution Group	• gml:methodFormula								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		codeSpace	anyURI	optional	
QName	Type	Use							
codeSpace	anyURI	optional							

Element gml:sourceDimensions

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:sourceDimensions is the number of dimensions in the source CRS of this operation method.
Diagram	
Type	positiveInteger
Properties	content: simple

Element gml:targetDimensions

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:targetDimensions is the number of dimensions in the target CRS of this operation method.
Diagram	
Type	positiveInteger
Properties	content: simple

Element gml:parameter

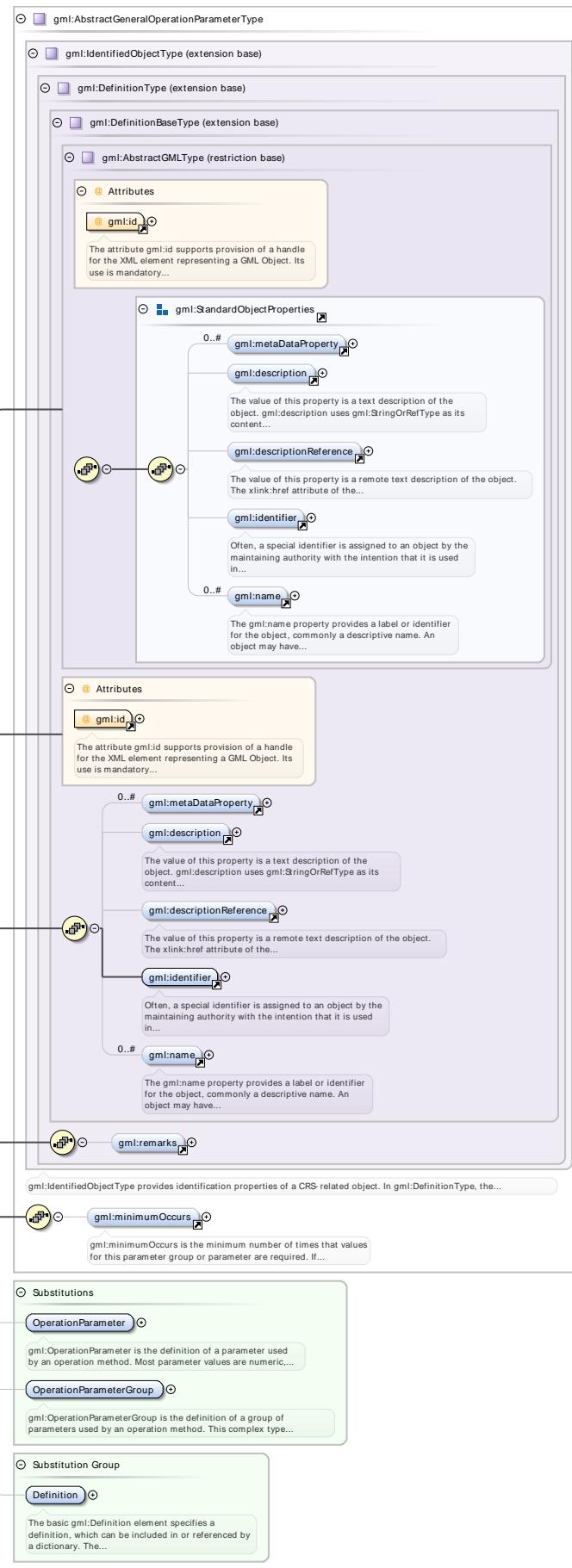
Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:parameter is an association to an operation parameter or parameter group.

Diagram																																									
Type	gml:AbstractGeneralOperationParameterPropertyType																																								
Properties	content: complex																																								
Substitution Group	<ul style="list-style-type: none"> • gml:includesParameter • gml:usesParameter • gml:generalOperationParameter 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:AbstractGeneralOperationParameter**

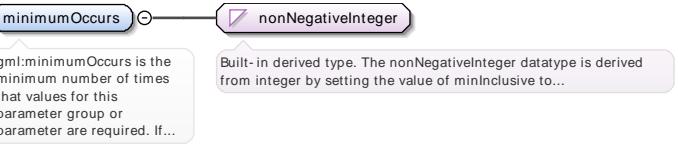
Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:GeneralOperationParameter is the abstract definition of a parameter or group of parameters used by an operation method.

Diagram

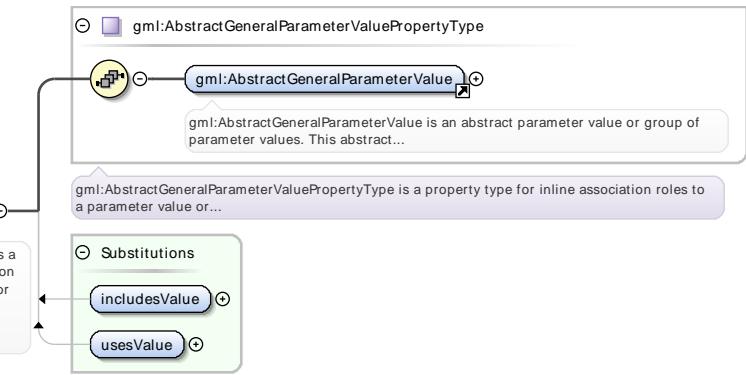


Type	gml:AbstractGeneralOperationParameterType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:OperationParameter gml:OperationParameterGroup 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName gml:id	Type ID	Use required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:minimumOccurs**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:minimumOccurs is the minimum number of times that values for this parameter group or parameter are required. If this attribute is omitted, the minimum number shall be one.
Diagram	
Type	nonNegativeInteger
Properties	content: simple

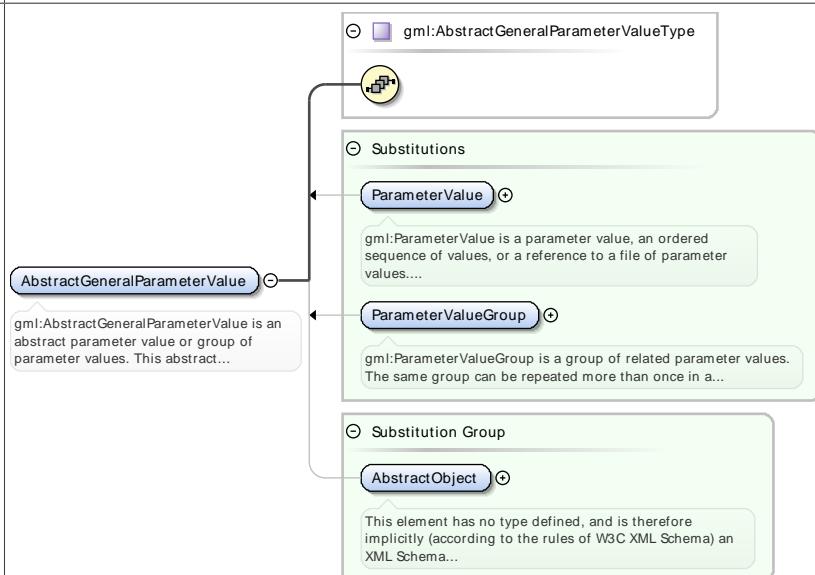
Element **gml:parameterValue**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:parameterValue is a composition association to a parameter value or group of parameter values used by a coordinate operation.
Diagram	
Type	gml:AbstractGeneralParameterValuePropertyType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> gml:usesValue gml:includesValue

Element **gml:AbstractGeneralParameterValue**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:AbstractGeneralParameterValue is an abstract parameter value or group of parameter values. This abstract complexType is expected to be extended and restricted for well-known operation methods with many instances, in Application Schemas that define

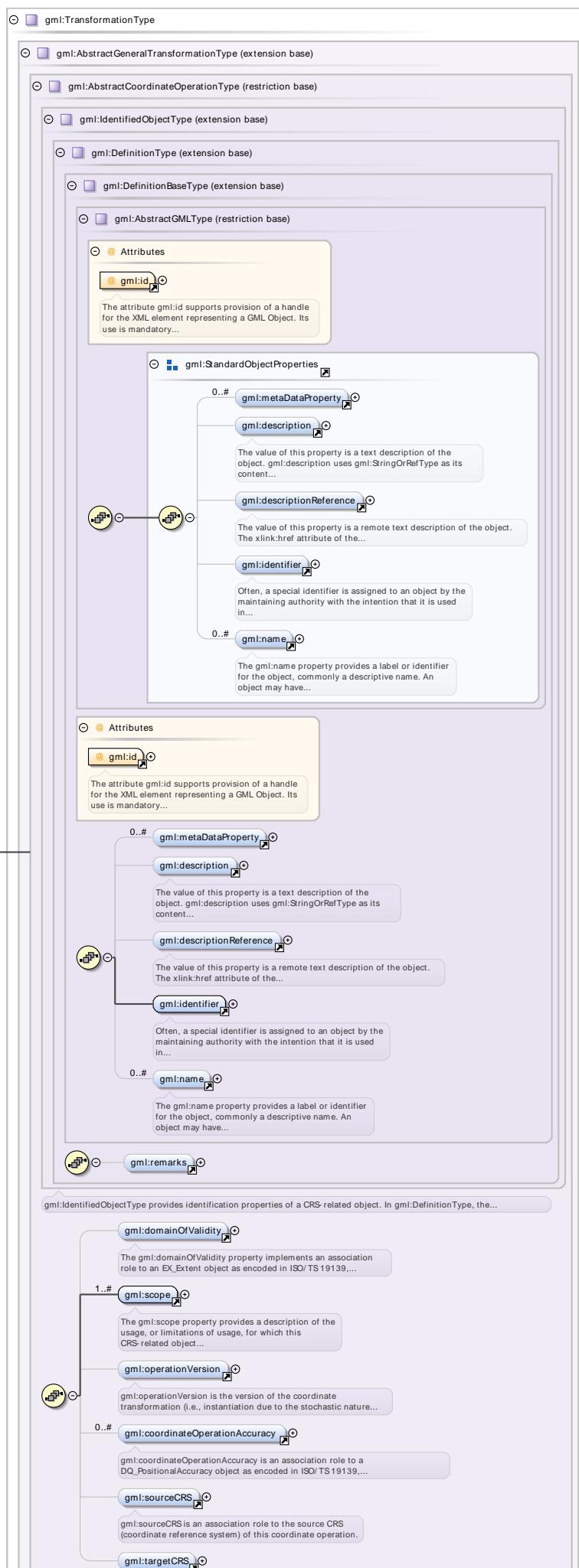
operation-method-specialized element names and contents. Specific parameter value elements are directly contained in concrete subtypes, not in this abstract type. All concrete types derived from this type shall extend this type to include one "...Value" element with an appropriate type, which should be one of the element types allowed in the ParameterValueType. In addition, all derived concrete types shall extend this type to include a "operationParameter" property element that references one element substitutable for the "OperationParameter" object element.

Diagram					
Type	gml:AbstractGeneralParameterValueType				
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				
Substitution Group	<ul style="list-style-type: none"> gml:ParameterValue gml:ParameterValueGroup 				
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractObject 				

Element **gml:Transformation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:Transformation is a concrete object element derived from gml:GeneralTransformation (13.6.2.13). This concrete object can be used for all operation methods, without using a GML Application Schema that defines operation-method-specialized element names and contents, especially for methods with only one Transformation instance. The parameterValue elements are an unordered list of composition associations to the set of parameter values used by this conversion operation.

Diagram



Type	gml:TransformationType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeneralTransformation		
Attributes	QName gml:id	Type ID	Use required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

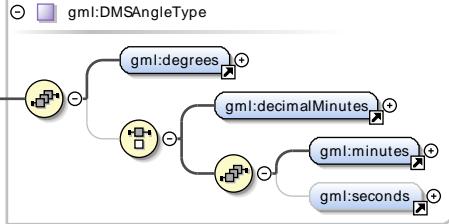
Element gml:ParameterValue

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:ParameterValue is a parameter value, an ordered sequence of values, or a reference to a file of parameter values. This concrete complex type may be used for operation methods without using an Application Schema that defines operation-method-specialized element names and contents, especially for methods with only one instance. This complex type may be used, extended, or restricted for well-known operation methods, especially for methods with many instances.</p>
Diagram	
Type	gml:ParameterValueType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractGeneralParameterValue

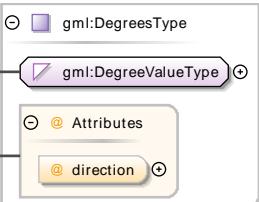
Element gml:value

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<p>gml:value is a numeric value of an operation parameter, with its associated unit of measure.</p>		
Diagram			
Type	gml:MeasureType		
Properties	content: complex		
Attributes	QName uom	Type gml:UomIdentifier	Use required

Element `gml:dmsAngleValue`

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:DMSAngleType
Properties	content: complex

Element `gml:degrees`

Namespace	http://www.opengis.net/gml/3.2						
Diagram							
Type	gml:DegreesType						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>direction</td> <td>restriction of string</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	direction	restriction of string	optional
QName	Type	Use					
direction	restriction of string	optional					

Element `gml:decimalMinutes`

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:DecimalMinutesType
Properties	content: simple

Element `gml:minutes`

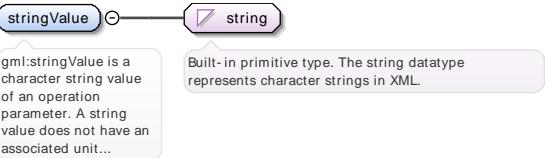
Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:ArcMinutesType
Properties	content: simple

Element `gml:seconds`

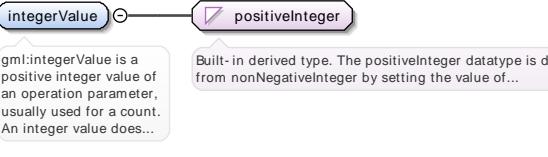
Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:ArcSecondsType
Properties	content: simple

Element `gml:stringValue`

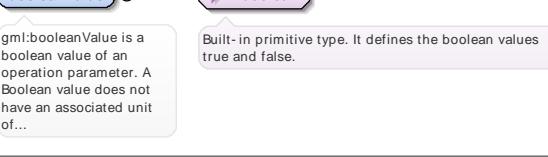
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	gml:stringValue is a character string value of an operation parameter. A string value does not have an associated unit of measure.
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	string
Properties	content: simple

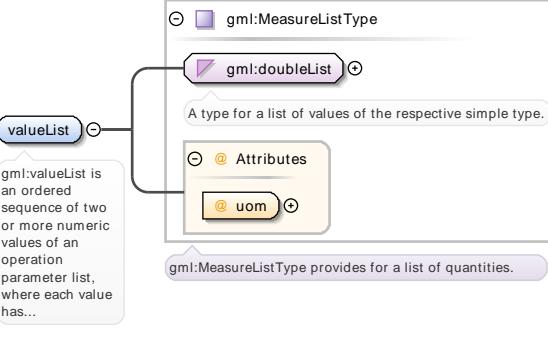
Element gml:integerValue

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:integerValue is a positive integer value of an operation parameter, usually used for a count. An integer value does not have an associated unit of measure.
Diagram	 <p>Built-in derived type. The positiveInteger datatype is derived from nonNegativeInteger by setting the value of...</p>
Type	positiveInteger
Properties	content: simple

Element gml:booleanValue

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:booleanValue is a boolean value of an operation parameter. A Boolean value does not have an associated unit of measure.
Diagram	 <p>Built-in primitive type. It defines the boolean values true and false.</p>
Type	boolean
Properties	content: simple

Element gml:valueList

Namespace	http://www.opengis.net/gml/3.2								
Annotations	gml:valueList is an ordered sequence of two or more numeric values of an operation parameter list, where each value has the same associated unit of measure. An element of this type contains a space-separated sequence of double values.								
Diagram	 <p>gml:MeasureListType provides for a list of quantities.</p> <p>gml:doubleList</p> <p>A type for a list of values of the respective simple type.</p> <p>Attributes</p> <p>uom</p>								
Type	gml:MeasureListType								
Properties	content: complex								
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Use</td> <td></td> </tr> <tr> <td>uom</td> <td>gml:UomIdentifier</td> <td>required</td> <td></td> </tr> </table>	QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use							
uom	gml:UomIdentifier	required							

Element `gml:integerValueList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:integerValueList is an ordered sequence of two or more integer values of an operation parameter list, usually used for counts. These integer values do not have an associated unit of measure. An element of this type contains a space-separated sequence of integer values.
Diagram	<pre> classDiagram class integerValueList class integerList integerValueList "0..1" -- "1..1" integerList integerList "*" -- "*" integerList integerList "*" -- "*" integerList </pre> <p>gml:integerValueList is an ordered sequence of two or more integer values of an operation parameter list, usually used...</p> <p>A type for a list of values of the respective simple type.</p>
Type	<code>gml:integerList</code>
Properties	content: simple

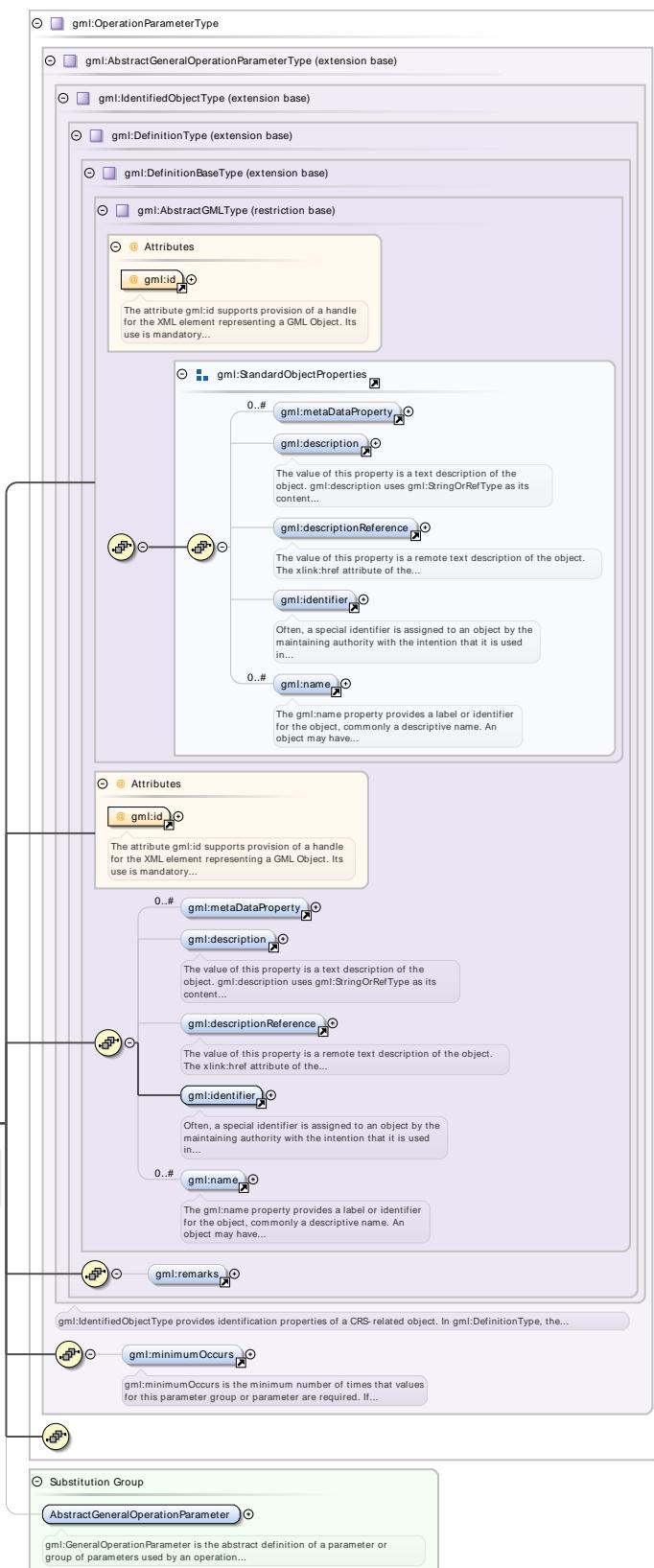
Element `gml:valueFile`

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:valueFile is a reference to a file or a part of a file containing one or more parameter values, each numeric value with its associated unit of measure. When referencing a part of a file, that file shall contain multiple identified parts, such as an XML encoded document. Furthermore, the referenced file or part of a file may reference another part of the same or different files, as allowed in XML documents.
Diagram	<pre> classDiagram class valueFile class anyURI valueFile "0..1" -- "1..1" anyURI anyURI "*" -- "*" anyURI anyURI "*" -- "*" anyURI </pre> <p>gml:valueFile is a reference to a file or a part of a file containing one or more parameter values, each numeric value...</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	<code>anyURI</code>
Properties	content: simple

Element `gml:operationParameter`

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:operationParameter is an association role to the operation parameter of which this is a value.

Diagram



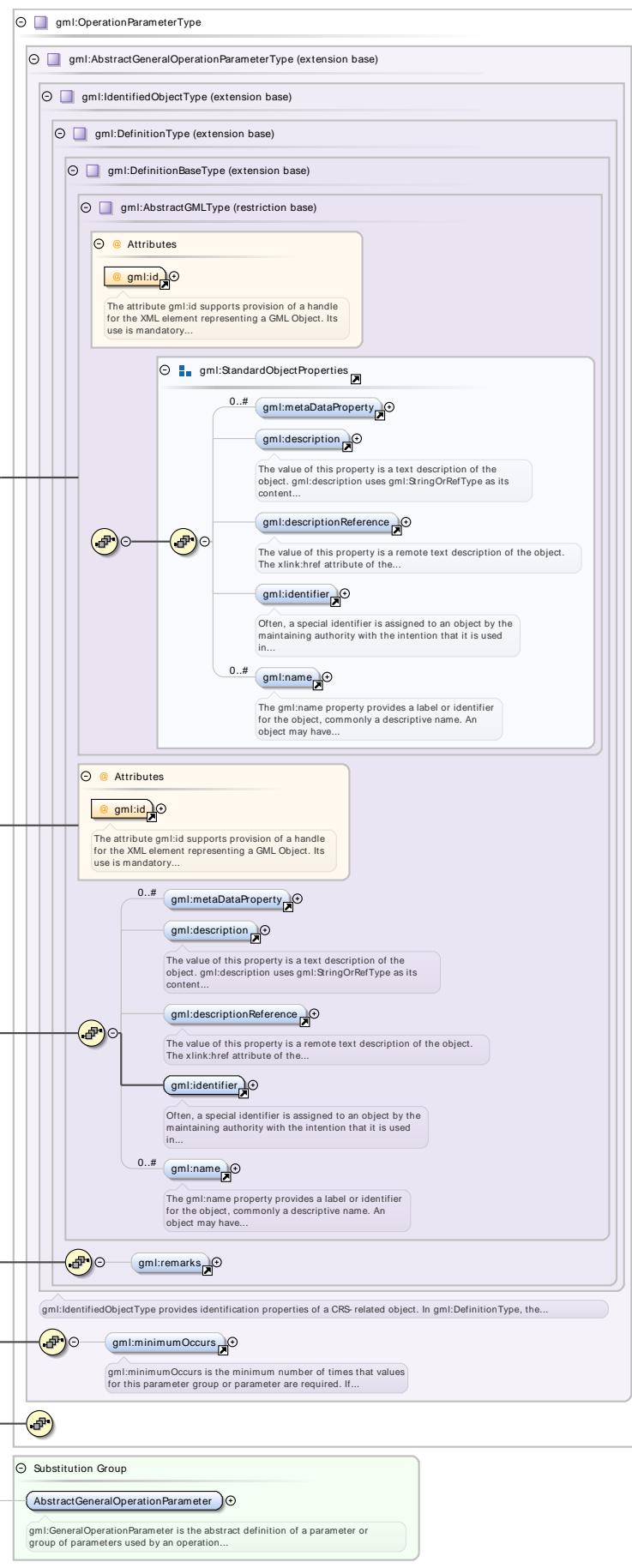
Type	<code>gml:OperationParameterPropertyType</code>
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • <code>gml:valueOfParameter</code>

Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Element **gml:OperationParameter**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:OperationParameter is the definition of a parameter used by an operation method. Most parameter values are numeric, but other types of parameter values are possible. This complex type is expected to be used or extended for all operation methods, without defining operation-method-specialized element names.

Diagram



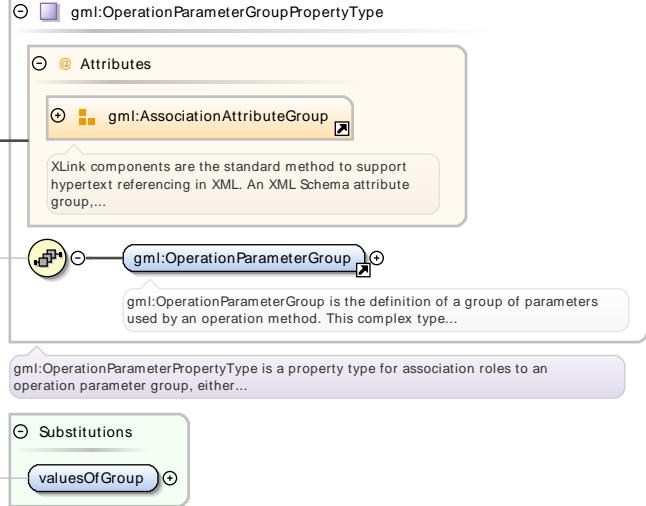
Type	gml:OperationParameterType		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractGeneralOperationParameter 		
Attributes	QName gml:id	Type ID	Use required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element gml:ParameterValueGroup

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:ParameterValueGroup is a group of related parameter values. The same group can be repeated more than once in a Conversion, Transformation, or higher level ParameterValueGroup, if those instances contain different values of one or more parameterValues which suitably distinguish among those groups. This concrete complex type can be used for operation methods without using an Application Schema that defines operation-method-specialized element names and contents. This complex type may be used, extended, or restricted for well-known operation methods, especially for methods with only one instance. The parameterValue elements are an unordered set of composition association roles to the parameter values and groups of values included in this group.</p>
Diagram	<pre> classDiagram class gml:ParameterValueGroupType { <<gml:AbstractGeneralParameterValueType (extension base)>> <<Substitution Group: AbstractGeneralParameterValue>> } class gml:AbstractGeneralParameterValue class gml:group class gml:parameterValue gml:ParameterValueGroupType "2..#" --> gml:AbstractGeneralParameterValue : gml:parameterValue gml:ParameterValueGroupType "1..1" --> gml:group : gml:group </pre> <p>gml:ParameterValueGroup is a group of related parameter values. The same group can be repeated more than once in a...</p> <p>gml:parameterValue is a composition association to a parameter value or group of parameter values used by a coordinate...</p> <p>gml:group is an association role to the operation parameter group for which this element provides parameter values.</p> <p>gml:AbstractGeneralParameterValue is an abstract parameter value or group of parameter values. This abstract...</p>
Type	gml:ParameterValueGroupType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractGeneralParameterValue

Element gml:group

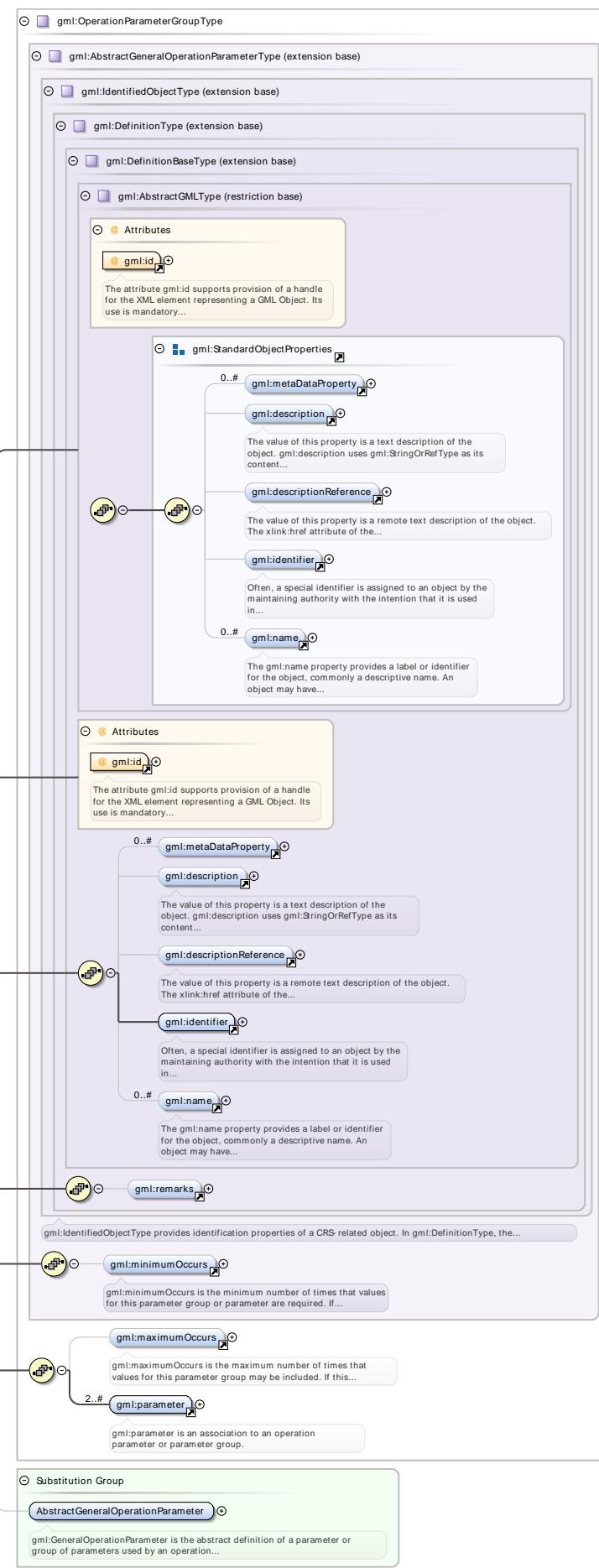
Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:group is an association role to the operation parameter group for which this element provides parameter values.

Diagram	 <p>gml:group is an association role to the operation parameter group for which this element provides parameter values.</p>																																								
Type	gml:OperationParameterGroupPropertyType																																								
Properties	content: complex																																								
Substitution Group	<ul style="list-style-type: none"> gml:valuesOfGroup 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:OperationParameterGroup

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:OperationParameterGroup is the definition of a group of parameters used by an operation method. This complex type is expected to be used or extended for all applicable operation methods, without defining operation-method-specialized element names. The generalOperationParameter elements are an unordered list of associations to the set of operation parameters that are members of this group.</p>

Diagram



Type	gml:OperationParameterGroupType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractGeneralOperationParameter		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

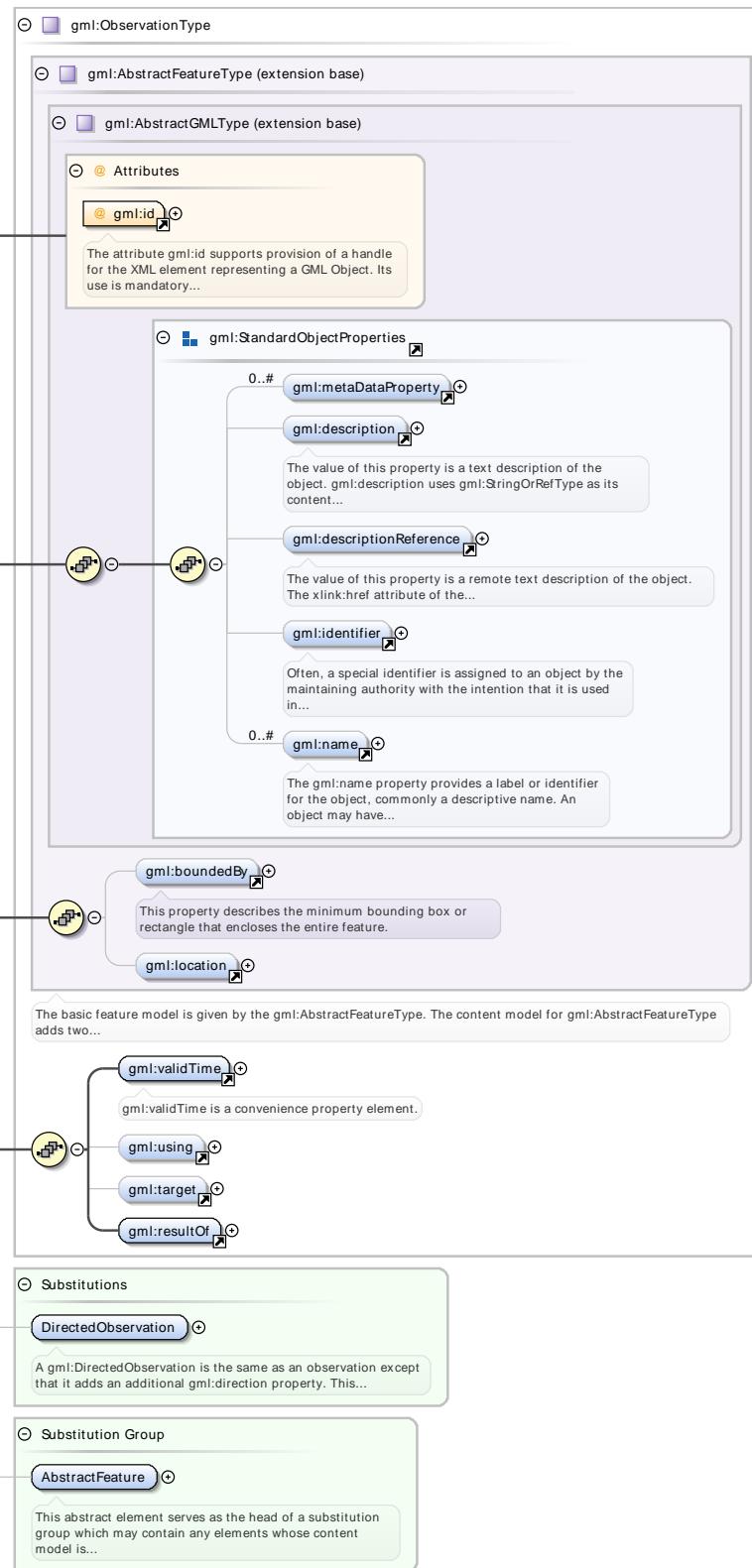
Element **gml:maximumOccurs**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:maximumOccurs is the maximum number of times that values for this parameter group may be included. If this attribute is omitted, the maximum number shall be one.
Diagram	 <p>maximumOccurs is the maximum number of times that values for this parameter group may be included. If this...</p> <p>Built-in derived type. The positiveInteger datatype is derived from nonNegativeInteger by setting the value of...</p>
Type	positiveInteger
Properties	content: simple

Element **gml:Observation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	The content model is a straightforward extension of gml:AbstractFeatureType; it automatically has the gml:identifier, gml:description, gml:descriptionReference, gml:name, and gml:boundedBy properties. The gml:validTime element describes the time of the observation. Note that this may be a time instant or a time period. The gml:using property contains or references a description of a sensor, instrument or procedure used for the observation. The gml:target property contains or references the specimen, region or station which is the object of the observation. This property is particularly useful for remote observations, such as photographs, where a generic location property might apply to the location of the camera or the location of the field of view, and thus may be ambiguous. The gml:subject element is provided as a convenient synonym for gml:target. This is the term commonly used in photography. The gml:resultOf property indicates the result of the observation. The value may be inline, or a reference to a value elsewhere.

Diagram



Type	gml:ObservationType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> gml:DirectedObservation gml:DirectedObservationAtDistance
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractFeature

Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Element gml:using

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:ProcedurePropertyType. It is an abstract feature that inherits from gml:AbstractFeature. It contains two attribute groups: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. The 'using' association is shown pointing to the gml:ProcedurePropertyType class.</p>																																																							
Type	gml:ProcedurePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:target

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																																																								
Type	gml:TargetPropertyType																																																							
Properties	content: complex																																																							
Substitution Group	<ul style="list-style-type: none"> • gml:subject 																																																							
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:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:resultOf

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:ResultType

Properties	content: complex					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:subject**

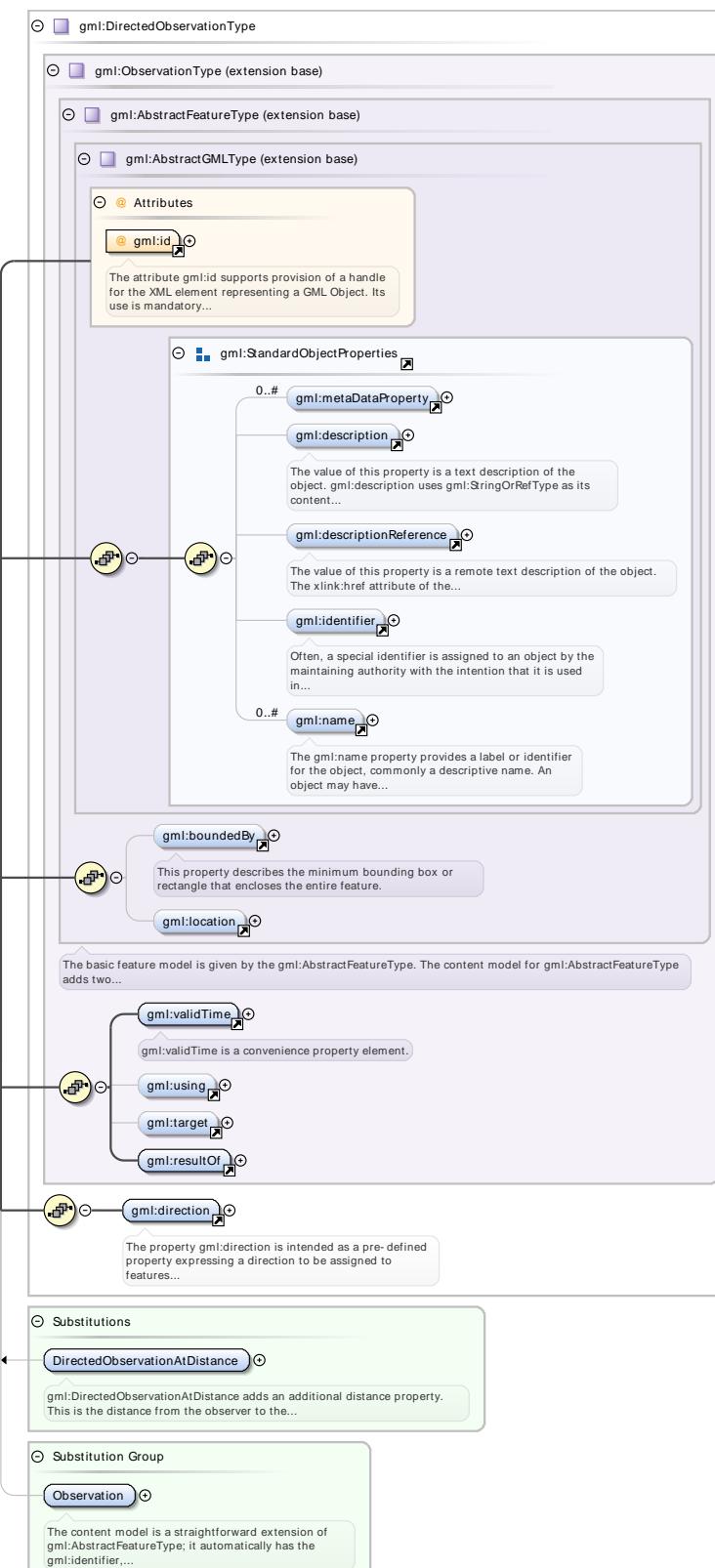
Namespace	http://www.opengis.net/gml/3.2																																																												
Diagram																																																													
Type	gml:TargetPropertyType																																																												
Properties	content: complex																																																												
Substitution Group Affiliation	• gml:target																																																												
Attributes	<table border="1"> <tr> <td>QName</td><td>Type</td><td>Fixed</td><td>Default</td><td>Use</td><td></td></tr> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional	
QName	Type	Fixed	Default	Use																																																									
gml:remoteSchema	anyURI			optional																																																									
nilReason	gml:NilReasonType			optional																																																									
owns	boolean		false	optional																																																									
xlink:actuate	xlink:actuateType			optional																																																									
xlink:arcrole	xlink:arcroleType			optional																																																									
xlink:href	xlink:hrefType			optional																																																									
xlink:role	xlink:roleType			optional																																																									
xlink:show	xlink:showType			optional																																																									
xlink:title	xlink:titleAttrType			optional																																																									

QName	Type	Fixed	Default	Use
xlink:type	xlink:typeType	simple		optional

Element **gml:DirectedObservation**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:DirectedObservation is the same as an observation except that it adds an additional gml:direction property. This is the direction in which the observation was acquired. Clearly this applies only to certain types of observations such as visual observations by people, or observations obtained from terrestrial cameras.

Diagram



Type	<code>gml:DirectedObservationType</code>
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • <code>gml:DirectedObservationAtDistance</code>

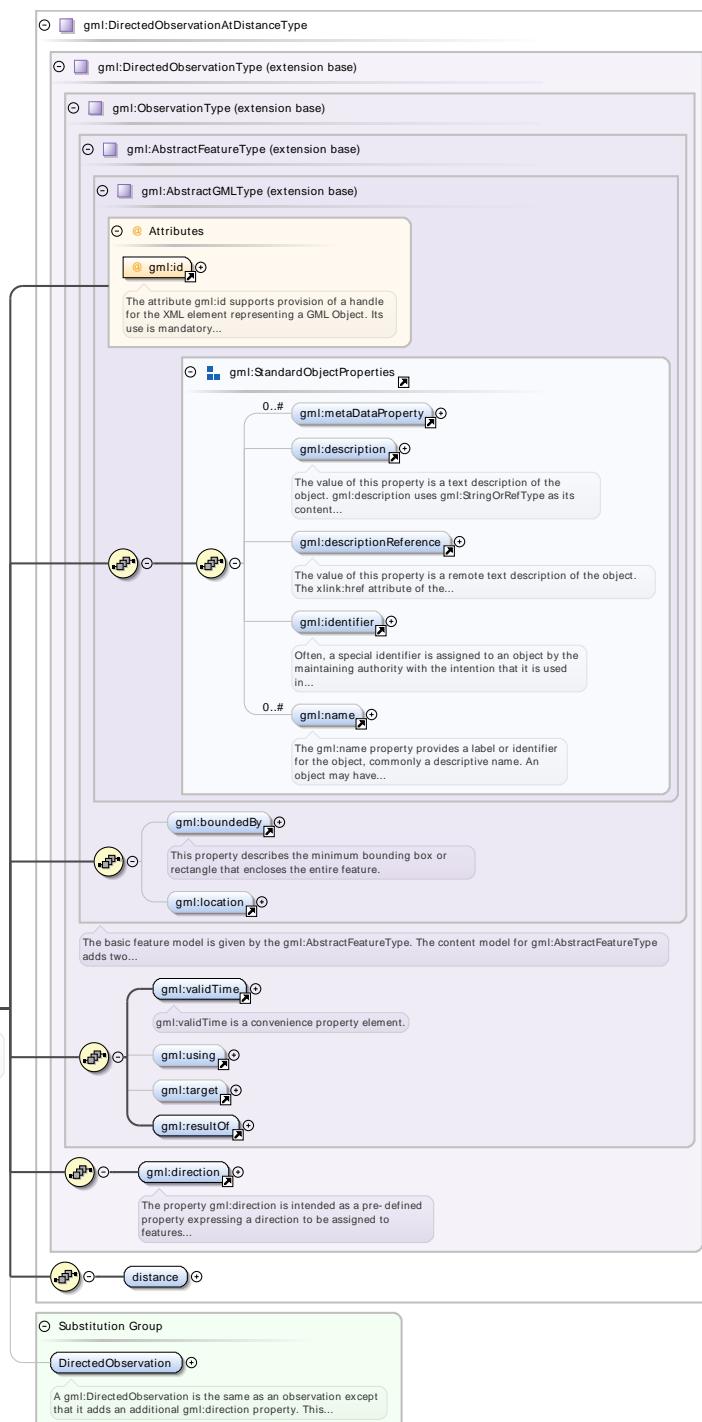
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:Observation</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element `gml:DirectedObservationAtDistance`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:DirectedObservationAtDistance</code> adds an additional distance property. This is the distance from the observer to the subject of the observation. Clearly this applies only to certain types of observations such as visual observations by people, or observations obtained from terrestrial cameras.

Diagram



Type	<code>gml:DirectedObservationAtDistanceType</code>		
Properties	content: complex		
Substitution Group	Affiliation		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

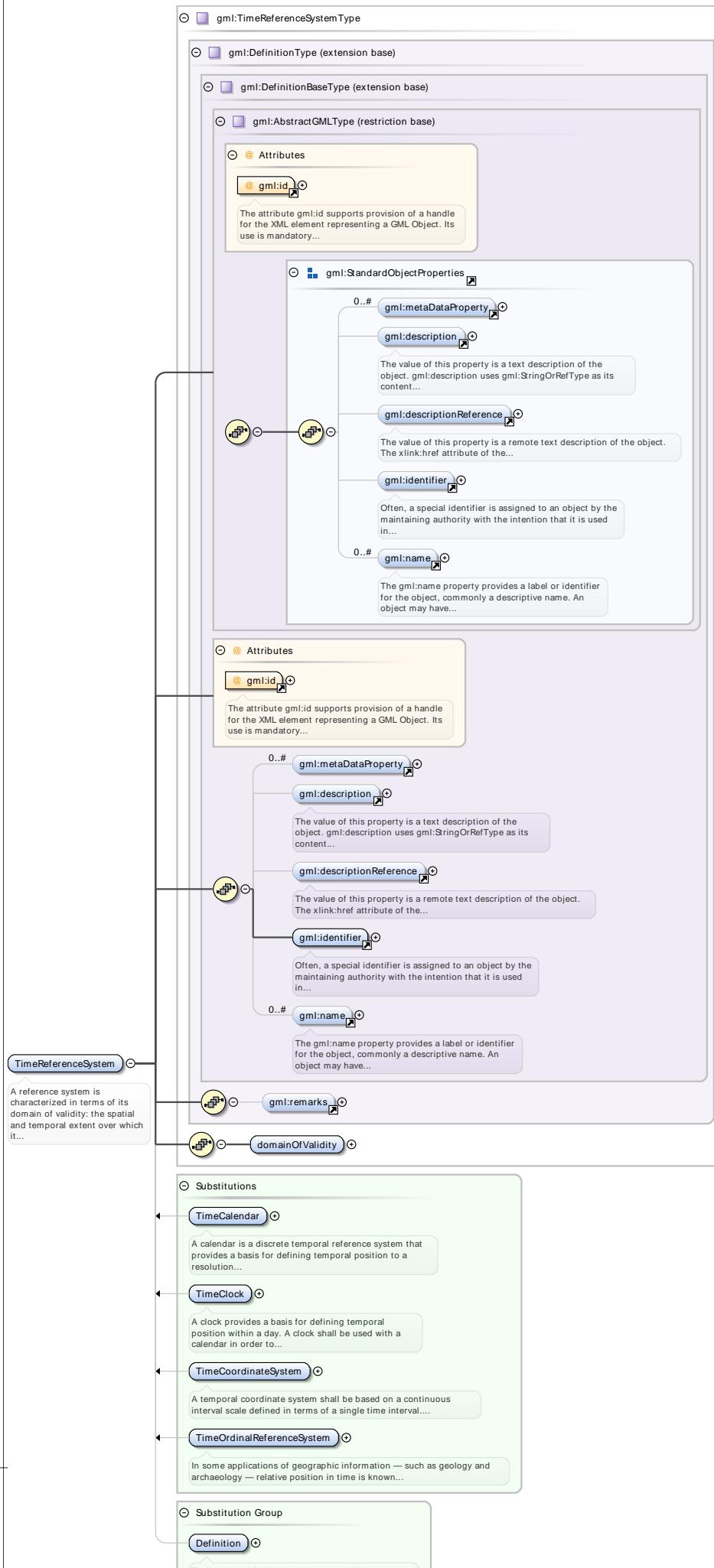
Element `gml:DirectedObservationAtDistanceType / gml:distance`

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<p>The diagram illustrates the structure of the <code>gml:MeasureType</code> element. It shows a central box labeled <code>gml:MeasureType</code> containing a <code>double</code> primitive type and an <code>@ uom</code> attribute. A callout box provides a detailed description: "Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]. The attribute uom specifies the units of measure for the value." A note at the bottom states: "gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...".</p>						
Type	<code>gml:MeasureType</code>						
Properties	content: complex						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use					
<code>uom</code>	<code>gml:UomIdentifier</code>	required					

Element `gml:TimeReferenceSystem`

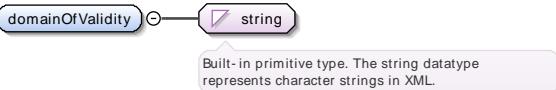
Namespace	http://www.opengis.net/gml/3.2
Annotations	A reference system is characterized in terms of its domain of validity: the spatial and temporal extent over which it is applicable. The basic GML element for temporal reference systems is <code>gml:TimeReferenceSystem</code> . Its content model extends <code>gml:DefinitionType</code> with one additional property, <code>gml:domainOfValidity</code> .

Diagram



Type	gml:TimeReferenceSystemType								
Properties	content: complex								
Substitution Group	<ul style="list-style-type: none"> • gml:TimeCoordinateSystem • gml:TimeCalendar • gml:TimeClock • gml:TimeOrdinalReferenceSystem 								
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:Definition 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use							
gml:id	ID	required							

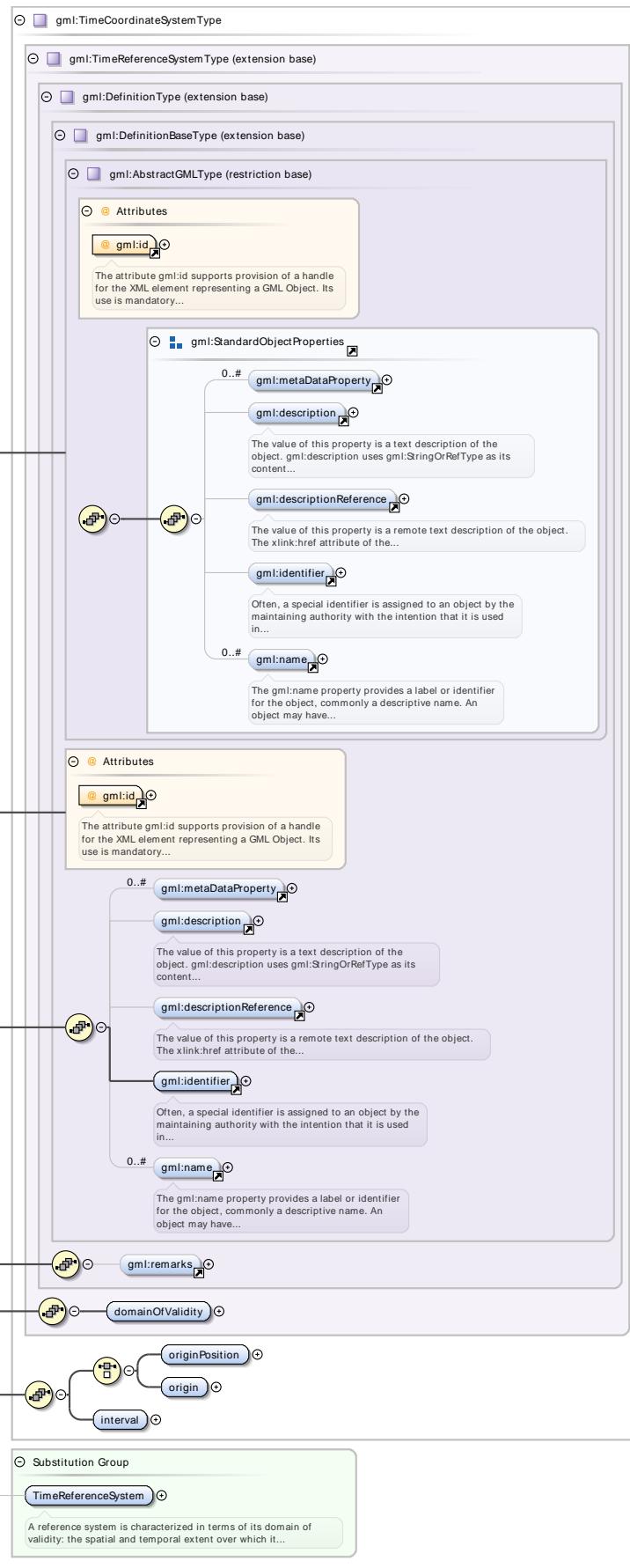
Element **gml:TimeReferenceSystemType** / **gml:domainOfValidity**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	string		
Properties	content: simple		

Element **gml:TimeCoordinateSystem**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<p>A temporal coordinate system shall be based on a continuous interval scale defined in terms of a single time interval. The differences to ISO 19108 TM_CoordinateSystem are: - the origin is specified either using the property gml:originPosition whose value is a direct time position, or using the property gml:origin whose model is gml:TimeInstantPropertyType; this permits more flexibility in representation and also supports referring to a value fixed elsewhere; - the interval uses gml:TimeIntervalLengthType.</p>		

Diagram



Type	<code>gml:TimeCoordinateSystemType</code>
------	-------------------------------------------

Properties	content: complex		
Substitution Group Affiliation	• gml:TimeReferenceSystem		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element gml:TimeCoordinateSystemType / gml:originPosition

Namespace	http://www.opengis.net/gml/3.2			
Diagram	<p>The diagram illustrates the structure of gml:TimePositionType. It shows a main node 'gml:TimePositionType' with a 'gml:TimePositionUnion' node as a child. 'gml:TimePositionUnion' has three attributes: 'frame', 'calendarEraName', and 'indeterminatePosition'. A callout box provides a detailed description of 'gml:TimePositionUnion' as a union of XML Schema simple types.</p>			
Type	gml:TimePositionType			
Properties	content: complex			
Attributes	QName	Type	Default	
	calendarEraName	string		optional
	frame	anyURI	#ISO-8601	optional
	indeterminatePosition	gml:TimeIndeterminateValueType		optional

Element gml:TimeCoordinateSystemType / gml:origin

Namespace	http://www.opengis.net/gml/3.2			
Diagram	<p>The diagram illustrates the structure of gml:TimeInstantPropertyType. It shows a main node 'gml:TimeInstantPropertyType' with an 'origin' attribute. 'origin' is associated with a 'gml:TimeInstant' node. A callout box provides a detailed description of 'gml:TimeInstantPropertyType' as a type for associating a gml:TimeInstant with an object.</p>			
Type	gml:TimeInstantPropertyType			
Properties	content: complex			
Attributes	QName	Type	Default	
	calendarEraName	string		optional
	frame	anyURI	#ISO-8601	optional
	indeterminatePosition	gml:TimeIndeterminateValueType		optional

Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

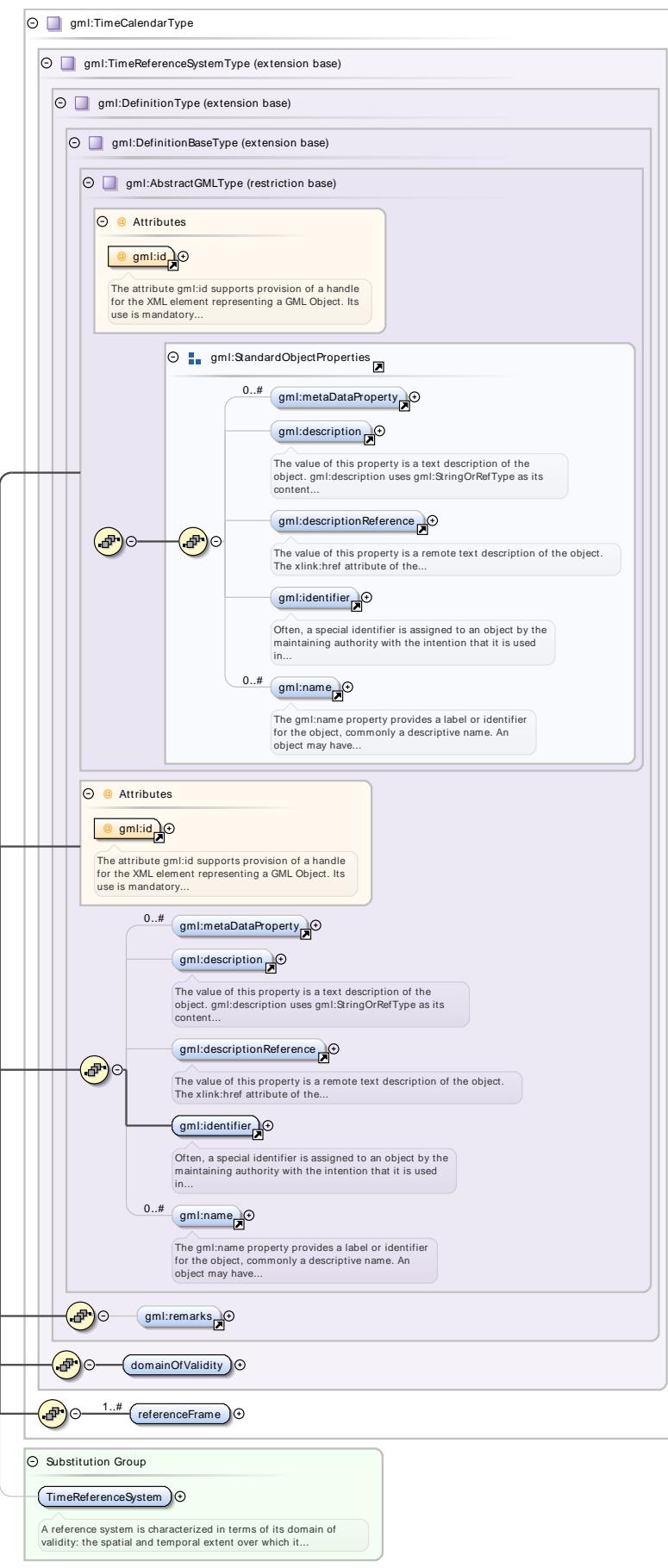
Element **gml:TimeCoordinateSystemType** / **gml:interval**

Namespace	http://www.opengis.net/gml/3.2												
Diagram	<p>The diagram illustrates the structure of the gml:TimeIntervalLengthType. It is derived from the decimal type. The decimal type is described as a built-in primitive type that represents arbitrary precision decimal numbers. The gml:TimeIntervalLengthType also includes attributes: unit, radix, and factor.</p>												
Type	gml:TimeIntervalLengthType												
Properties	content: complex												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>factor</td> <td>integer</td> <td>optional</td> </tr> <tr> <td>radix</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>unit</td> <td>gml:TimeUnitType</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	factor	integer	optional	radix	positiveInteger	optional	unit	gml:TimeUnitType	required
QName	Type	Use											
factor	integer	optional											
radix	positiveInteger	optional											
unit	gml:TimeUnitType	required											

Element **gml:TimeCalendar**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A calendar is a discrete temporal reference system that provides a basis for defining temporal position to a resolution of one day. gml:TimeCalendar adds one property to those inherited from gml:TimeReferenceSystem. A gml:referenceFrame provides a link to a gml:TimeCalendarEra that it uses. A gml:TimeCalendar may reference more than one calendar era. The referenceFrame element follows the standard GML property model, allowing the association to be instantiated either using an inline description using the gml:TimeCalendarEra element, or a link to a gml:TimeCalendarEra which is explicit elsewhere.</p>

Diagram



Type	gml:TimeCalendarType		
Properties	content: complex		
Substitution Group Affiliation	• gml:TimeReferenceSystem		
Attributes	QName	Type	Use
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element gml:TimeCalendarType / gml:referenceFrame

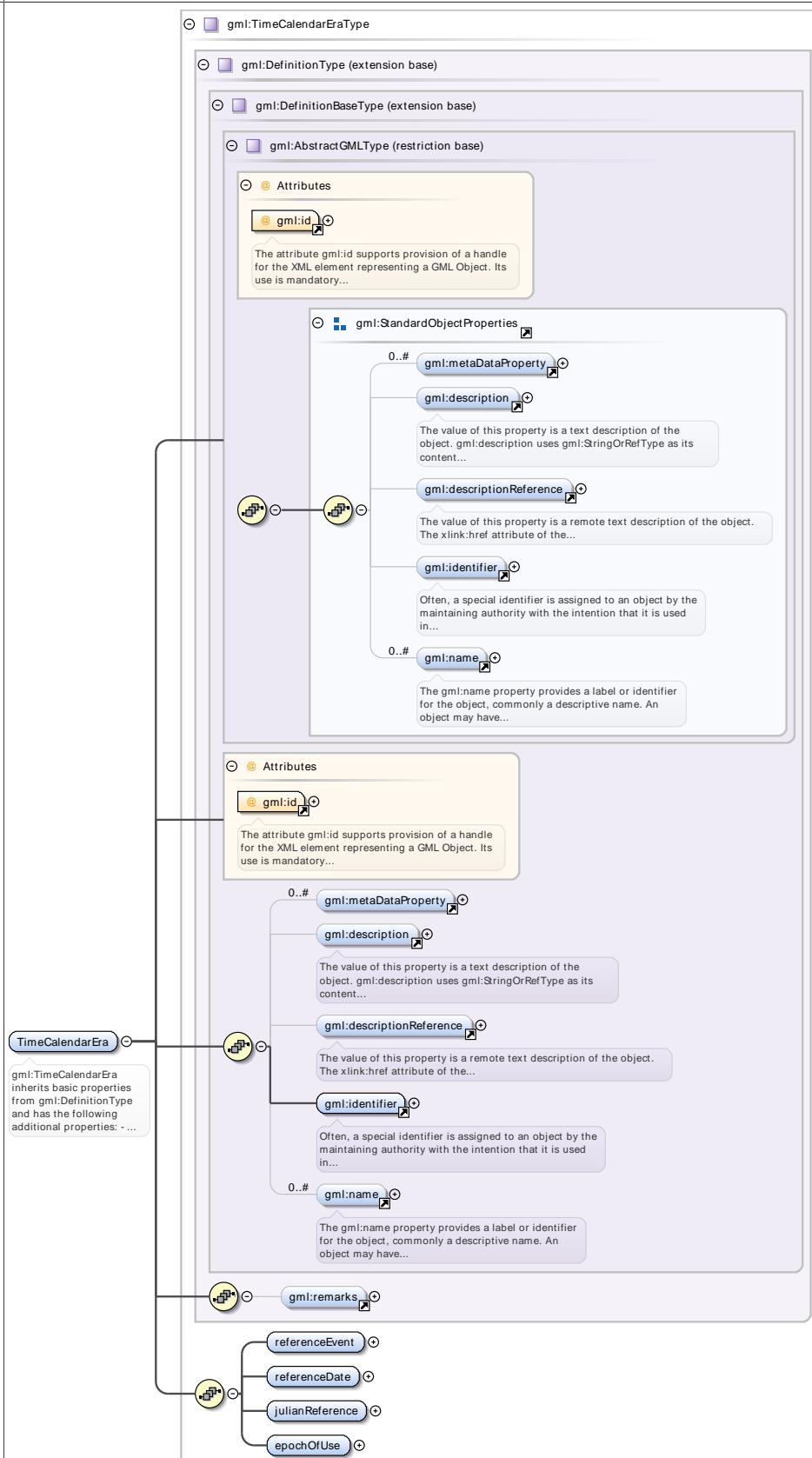
Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the gml:TimeCalendarEraPropertyType. It shows inheritance from gml:DefinitionType, which provides basic properties. It also shows associations with gml:TimeCalendarEra (a many-to-one relationship) and gml:referenceFrame (a one-to-one relationship). The gml:TimeCalendarEraPropertyType is used for associating a gml:TimeCalendarEra with an object.</p>				
Type	gml:TimeCalendarEraPropertyType				
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:TimeCalendarEra

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>gml:TimeCalendarEra inherits basic properties from gml:DefinitionType and has the following additional properties:</p> <ul style="list-style-type: none"> - gml:referenceEvent is the name or description of a mythical or historic event which fixes the position of the base scale of the calendar era. This is given as text or using a link to description held elsewhere. - gml:referenceDate specifies the date of the referenceEvent expressed as a date in the given calendar. In most calendars, this date is the origin (i.e., the first day) of the scale, but this is not always true. - gml:julianReference specifies the Julian date that corresponds to the reference date. The Julian day number is an integer value; the Julian date is a decimal value that allows greater resolution. Transforming calendar dates to and from Julian 				

dates provides a relatively simple basis for transforming dates from one calendar to another. - gml:epochOfUse is the period for which the calendar era was used as a basis for dating.

Diagram



Type

`gml:TimeCalendarEraType`

Properties

content: complex

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element **gml:TimeCalendarEraType / gml:referenceEvent**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the structure of the gml:referenceEvent type. It is a complex type (indicated by a blue rounded rectangle) with a base type of gml:StringOrRefType (indicated by a blue square). The gml:StringOrRefType is further detailed as a string type (indicated by a purple rounded rectangle). The diagram also shows the 'Attributes' section, which includes an association attribute group (indicated by an orange square) for XLink components (indicated by a blue rounded rectangle). A callout box provides the definition: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'.</p>		
Type	gml:StringOrRefType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element **gml:TimeCalendarEraType / gml:referenceDate**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the structure of the gml:referenceDate type. It is a simple type (indicated by a blue rounded rectangle) with a base type of gml:CalDate (indicated by a blue square).</p>		
Type	gml:CalDate		
Properties	content: simple		

Element **gml:TimeCalendarEraType / gml:julianReference**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the structure of the gml:julianReference type. It is a simple type (indicated by a blue rounded rectangle) with a base type of decimal (indicated by a purple rounded rectangle). A callout box provides the definition: 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>		
Type	decimal		
Properties	content: simple		

Element **gml:TimeCalendarEraType / gml:epochOfUse**

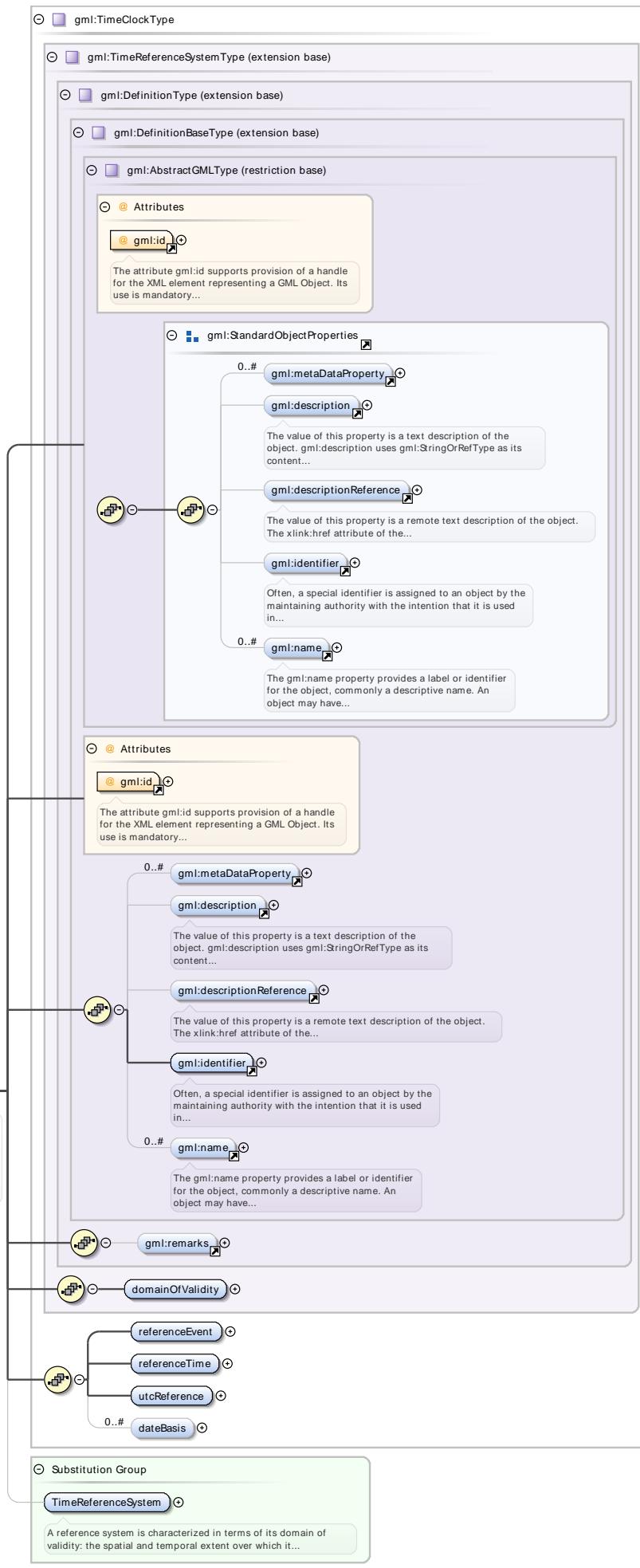
Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram	<p>Diagram illustrating the structure of the <code>gml:TimePeriodPropertyType</code> schema element. The element contains attributes: <code>epochOfUse</code>, <code>gml:AssociationAttributeGroup</code>, <code>gml:OwnershipAttributeGroup</code>, and <code>gml:TimePeriod</code>. A note states: "gml:TimePeriodPropertyType provides for associating a gml:TimePeriod with an object."</p>																																																							
Type	<code>gml:TimePeriodPropertyType</code>																																																							
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><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:TimeClock`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>A clock provides a basis for defining temporal position within a day. A clock shall be used with a calendar in order to provide a complete description of a temporal position within a specific day. <code>gml:TimeClock</code> adds the following properties to those inherited from <code>gml:TimeReferenceSystemType</code>:</p> <ul style="list-style-type: none"> - <code>gml:referenceEvent</code> is the name or description of an event, such as solar noon or sunrise, which fixes the position of the base scale of the clock. - <code>gml:referenceTime</code> specifies the time of day associated with the reference event expressed as a time of day in the given clock. The reference time is usually the origin of the clock scale. - <code>gml:utcReference</code> specifies the 24 hour local or UTC time that corresponds to the reference time. - <code>gml:dateBasis</code> contains or references the calendars that use this clock.

Diagram



Type	gml:TimeClockType		
Properties	content: complex		
Substitution Group Affiliation	• gml:TimeReferenceSystem		
Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element gml:TimeClockType / gml:referenceEvent

Namespace	http://www.opengis.net/gml/3.2			
Diagram	<p>The diagram shows the structure of the gml:referenceEvent type. It is a complex type (indicated by a blue rounded rectangle) containing a stringOrRefType (indicated by a blue rounded rectangle) which contains a string (indicated by a blue rounded rectangle). The string is described as a built-in primitive type representing character strings in XML. Below the string is an 'Attributes' section (indicated by a blue rounded rectangle) containing an AssociationAttributeGroup (indicated by a blue rounded rectangle). The AssociationAttributeGroup is described as XLink components supporting hypertext referencing in XML, including attributes like href, role, and type.</p>			
Type	gml:StringOrRefType			
Properties	content: complex			
Attributes	QName	Type	Fixed	
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:TimeClockType / gml:referenceTime

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the structure of the gml:referenceTime type. It is a complex type (indicated by a blue rounded rectangle) containing a time (indicated by a blue rounded rectangle). The time is described as a built-in primitive type representing an instant of time that recurs every day.</p>		
Type	time		
Properties	content: simple		

Element gml:TimeClockType / gml:utcReference

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the structure of the gml:utcReference type. It is a complex type (indicated by a blue rounded rectangle) containing a time (indicated by a blue rounded rectangle). The time is described as a built-in primitive type representing an instant of time that recurs every day.</p>		

Type	time
Properties	content: simple

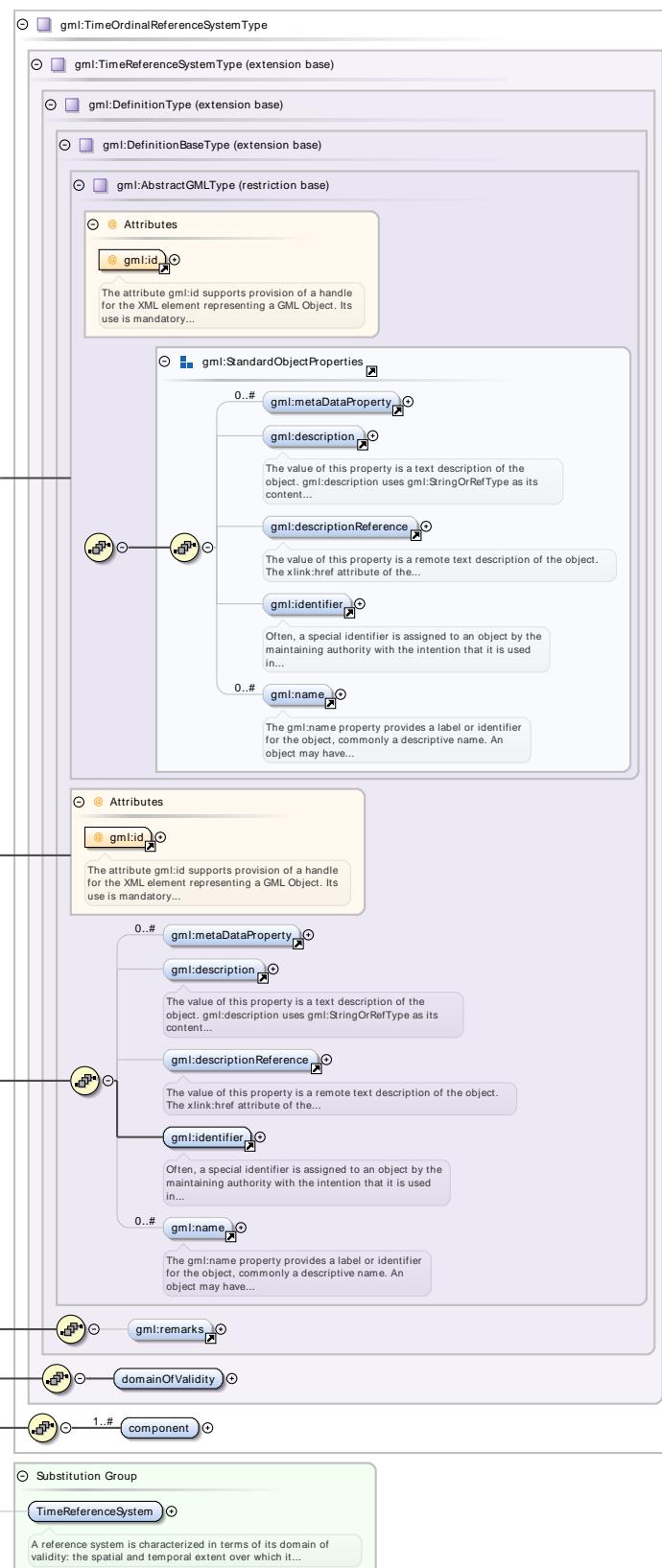
Element **gml:TimeClockType** / **gml:dateBasis**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:TimeCalendarPropertyType. It starts with a main box labeled gml:TimeCalendarPropertyType, which contains an Attributes section. Inside Attributes are two groups: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A callout box for gml:OwnershipAttributeGroup states: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...". A callout box for gml:AssociationAttributeGroup states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". Below these is a gml:TimeCalendar element, which is described in a callout box as: "A calendar is a discrete temporal reference system that provides a basis for defining temporal position to a resolution...". A final callout box at the bottom states: "gml:TimeCalendarPropertyType provides for associating a gml:TimeCalendar with an object." A dashed line with an arrow points from the dateBasis attribute in the table below to the gml:TimeCalendar element in the diagram.</p>																																																							
Type	gml:TimeCalendarPropertyType																																																							
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																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:TimeOrdinalReferenceSystem**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>In some applications of geographic information — such as geology and archaeology — relative position in time is known more precisely than absolute time or duration. The order of events in time can be well established, but the magnitude of the intervals between them cannot be accurately determined; in such cases, the use of an ordinal temporal reference system is appropriate. An ordinal temporal reference system is composed of a sequence of named coterminous eras, which may in turn be composed of sequences of member eras at a finer scale, giving the whole a hierarchical structure of eras of varying resolution. An ordinal temporal reference system whose component eras are not further subdivided is effectively a temporal topological complex constrained to be a linear graph. An ordinal temporal reference system some or all of whose component eras are subdivided is effectively a temporal topological complex with the constraint that parallel branches may only be constructed in pairs where one is a single temporal ordinal era and the other is a sequence of temporal ordinal eras that are called "members" of the "group". This constraint means that within a single temporal ordinal reference system, the relative position of all temporal ordinal eras is unambiguous. The positions of the beginning and end of a given era may calibrate the relative time scale. gml:TimeOrdinalReferenceSystem adds one or more gml:component properties to the generic temporal reference system model.</p>

Diagram



Type	<code>gml:TimeOrdinalReferenceSystemType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:TimeReferenceSystem</code>

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

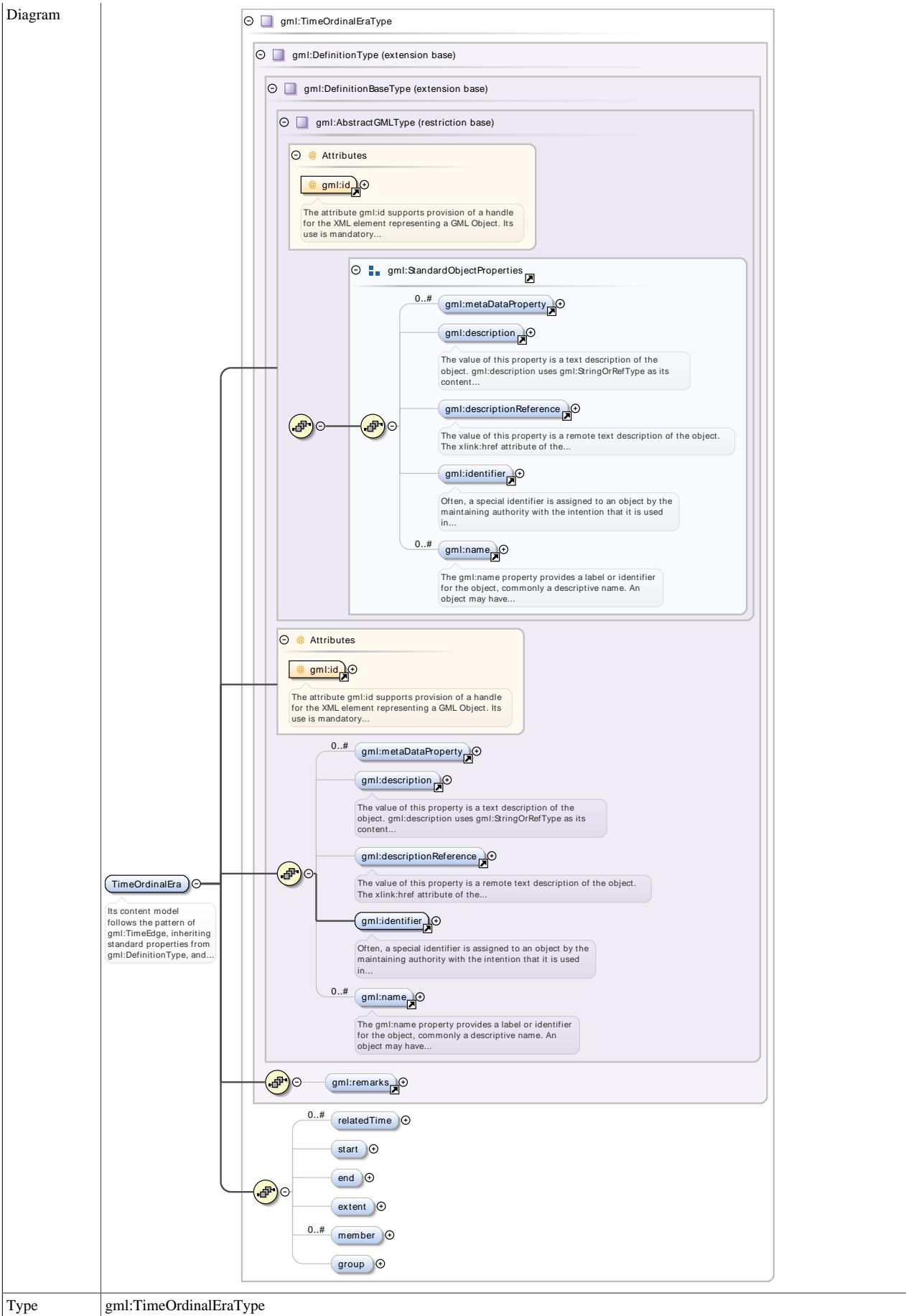
Element **gml:TimeOrdinalReferenceSystemType** / **gml:component**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:TimeOrdinalEraPropertyType element. It is a complex type with attributes. The 'component' attribute is highlighted with a red oval. The 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup' are shown as groups of attributes. The 'gml:TimeOrdinalEra' element is a child of the property type, with a note indicating its content model follows the pattern of gml:TimeEdge, inheriting standard properties from gml:DefinitionType, and so on. A note at the bottom states that gml:TimeOrdinalEraPropertyType provides for associating a gml:TimeOrdinalEra with an object.</p>																																																							
Type	gml:TimeOrdinalEraPropertyType																																																							
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:TimeOrdinalEra**

Namespace	http://www.opengis.net/gml/3.2
Annotations	Its content model follows the pattern of gml:TimeEdge, inheriting standard properties from gml:DefinitionType, and adding gml:start, gml:end and gml:extent properties, a set of gml:member properties which indicate ordered gml:TimeOrdinalEra elements, and a gml:group property which points to the parent era. The recursive inclusion of gml:TimeOrdinalEra elements allow the construction of an arbitrary depth hierarchical ordinal reference schema, such that an ordinal era at a given level of the hierarchy includes a sequence of shorter, coterminous ordinal eras.

Diagram



Properties	content: complex						
Attributes	QName	Type	Fixed	Default			
	gml:id	ID	required	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

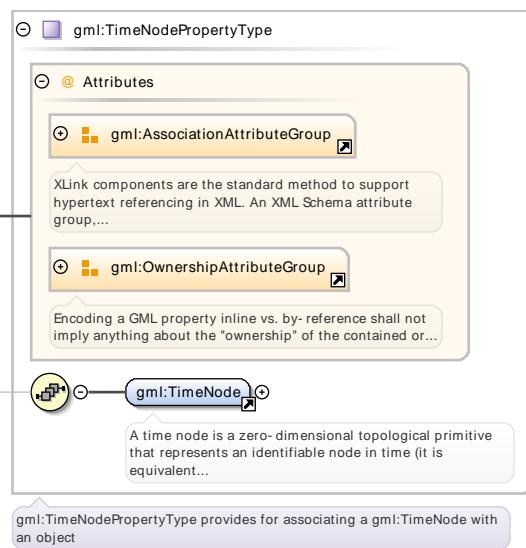
Element **gml:TimeOrdinalEraType** / **gml:relatedTime**

Namespace	http://www.opengis.net/gml/3.2																																																																
Diagram	<p>Diagram illustrating the structure of the gml:RelatedTimeType element:</p> <ul style="list-style-type: none"> gml:RelatedTimeType (Root Class) gml:TimePrimitivePropertyType (extension base) Attributes (Group) <ul style="list-style-type: none"> gml:AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... gml:OwnershipAttributeGroup: Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or... gml:AbstractTimePrimitive: gml:AbstractTimePrimitive acts as the head of a substitution group for geometric and topological temporal primitives. relatedTime: An association with a multiplicity of 0..1. Attributes (Group) <ul style="list-style-type: none"> relativePosition: gml:TimePrimitivePropertyType provides a standard content model for associations between an arbitrary member of the... Note: gml:RelatedTimeType provides a content model for indicating the relative position of an arbitrary member of the... 																																																																
Type	gml:RelatedTimeType																																																																
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>relativePosition</td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	relativePosition	restriction of string			optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																													
gml:remoteSchema	anyURI			optional																																																													
nilReason	gml:NilReasonType			optional																																																													
owns	boolean		false	optional																																																													
relativePosition	restriction of string			optional																																																													
xlink:actuate	xlink:actuateType			optional																																																													
xlink:arcrole	xlink:arcroleType			optional																																																													
xlink:href	xlink:hrefType			optional																																																													
xlink:role	xlink:roleType			optional																																																													
xlink:show	xlink:showType			optional																																																													
xlink:title	xlink:titleAttrType			optional																																																													
xlink:type	xlink:typeType	simple		optional																																																													

Element **gml:TimeOrdinalEraType** / **gml:start**

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram

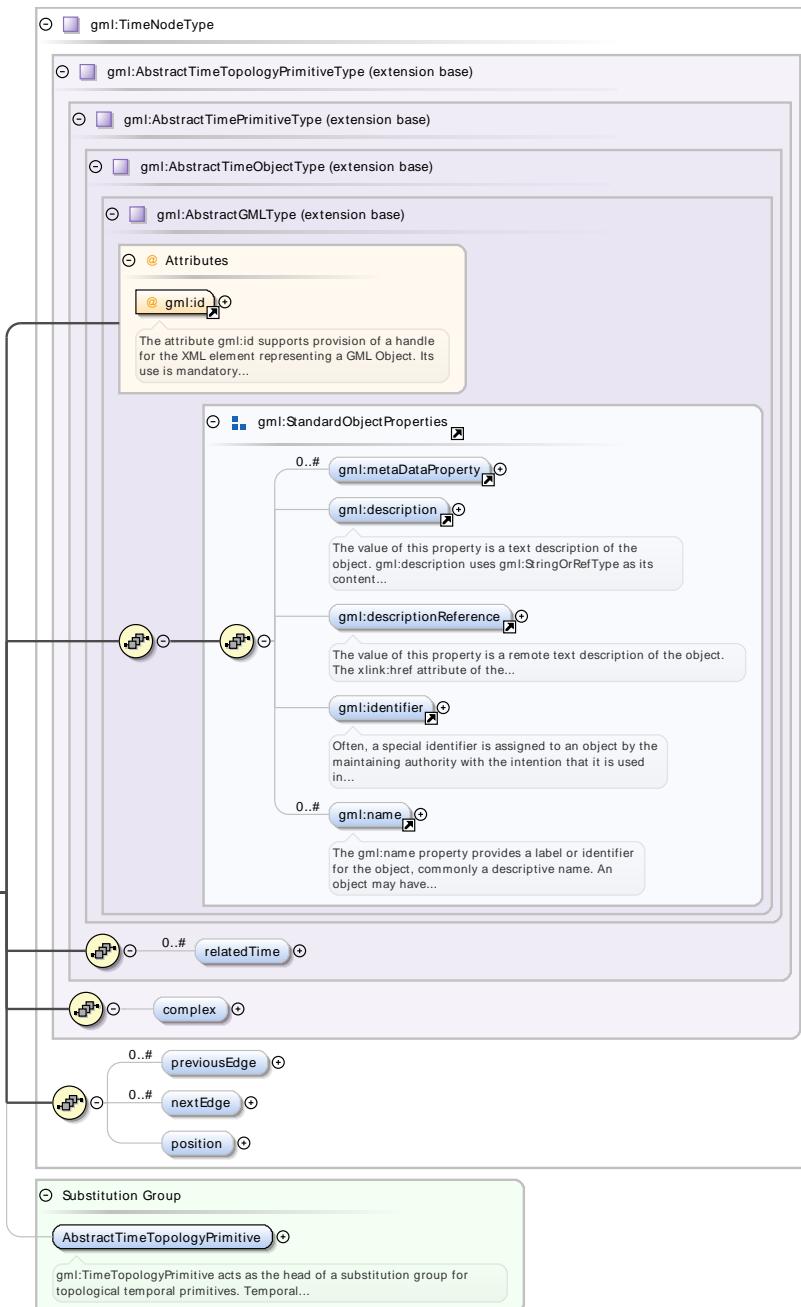


Type	<code>gml:TimeNodePropertyType</code>																																																																							
Properties	<p>content: <code>complex</code></p> <p>minOccurs: 0</p>																																																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td><code>anyURI</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>owns</code></td> <td><code>boolean</code></td> <td></td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> <td></td> </tr> </tbody> </table>						QName	Type	Fixed	Default	Use		<code>gml:remoteSchema</code>	<code>anyURI</code>			optional		<code>nilReason</code>	<code>gml:NilReasonType</code>			optional		<code>owns</code>	<code>boolean</code>		false	optional		<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional		<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional		<code>xlink:href</code>	<code>xlink:hrefType</code>			optional		<code>xlink:role</code>	<code>xlink:roleType</code>			optional		<code>xlink:show</code>	<code>xlink:showType</code>			optional		<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional		<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional	
QName	Type	Fixed	Default	Use																																																																				
<code>gml:remoteSchema</code>	<code>anyURI</code>			optional																																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																																				
<code>owns</code>	<code>boolean</code>		false	optional																																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																																				

Element `gml:TimeNode`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A time node is a zero-dimensional topological primitive that represents an identifiable node in time (it is equivalent to a point in space). A node may act as the termination or initiation of any number of time edges. A time node may be realised as a geometry, its position, whose value is a time instant.

Diagram



Type	gml:TimeNodeType									
Properties	content: complex									
Substitution Group	• gml:AbstractTimeTopologyPrimitive									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
gml:id	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Element gml:AbstractTimeTopologyPrimitiveType / gml:complex

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of gml:ReferenceType. It shows a complex type with attributes and associations. The attributes include gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. The associations include gml:remoteSchema, nilReason, owns, xlink:actuate, xlink:arcrole, xlink:href, xlink:role, xlink:show, xlink:title, and xlink:type. A note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..."</p>																																																							
Type	gml:ReferenceType																																																							
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0																																																			
content:	complex																																																							
minOccurs:	0																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:TimeNodeType / gml:previousEdge

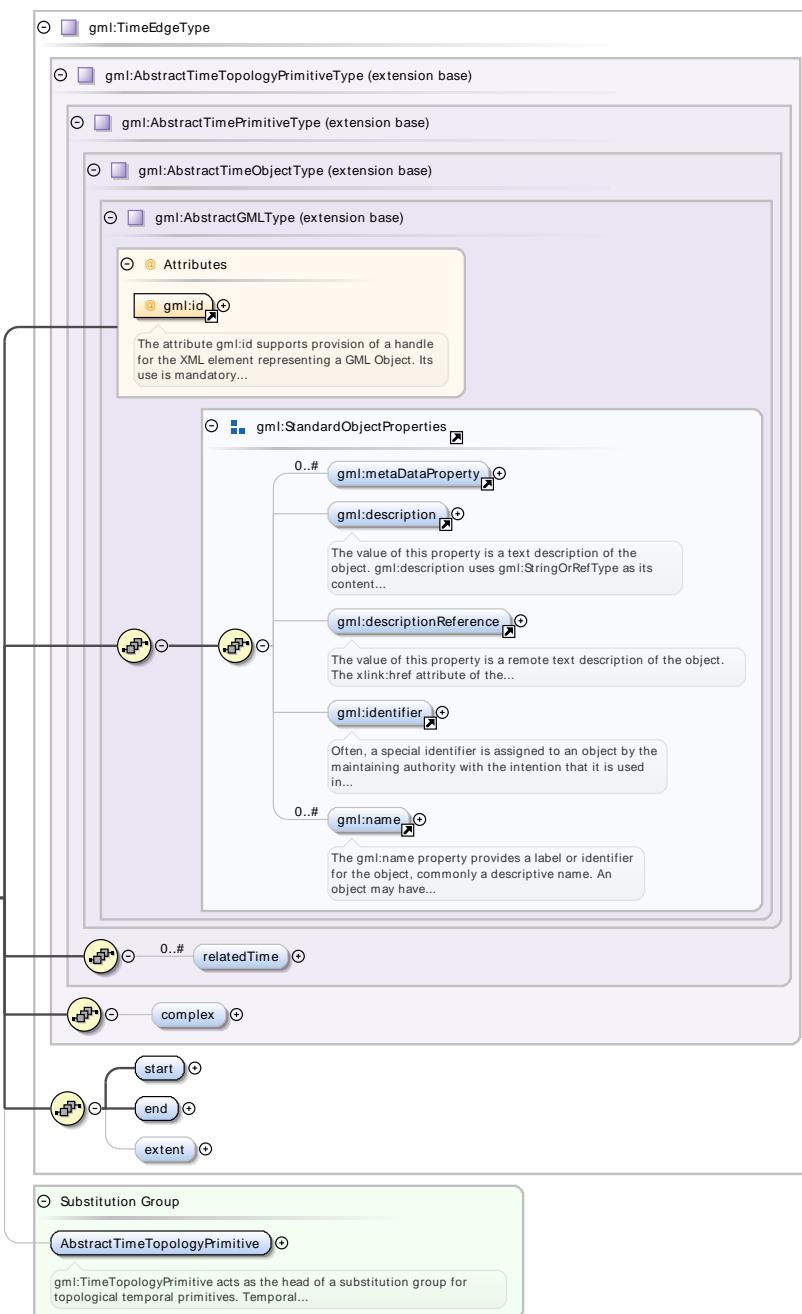
Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>Diagram illustrating the structure of gml:TimeEdgePropertyType. It shows a complex type with attributes and associations. The attributes include gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. The associations include previousEdge. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". Another note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..."</p>				
Type	gml:TimeEdgePropertyType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs:	unbounded				
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:TimeEdge**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A time edge is a one-dimensional topological primitive. It is an open interval that starts and ends at a node. The edge may be realised as a geometry whose value is a time period.

Diagram

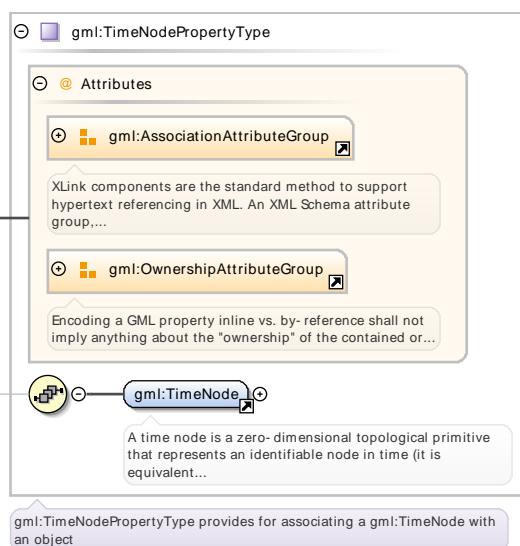


Type	<code>gml:TimeEdgeType</code>		
Properties	content: <code>complex</code>		
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>gml:AbstractTimeTopologyPrimitive</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element `gml:TimeEdgeType` / `gml:start`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type

gml:TimeNodePropertyType

Properties

content: complex

Attributes

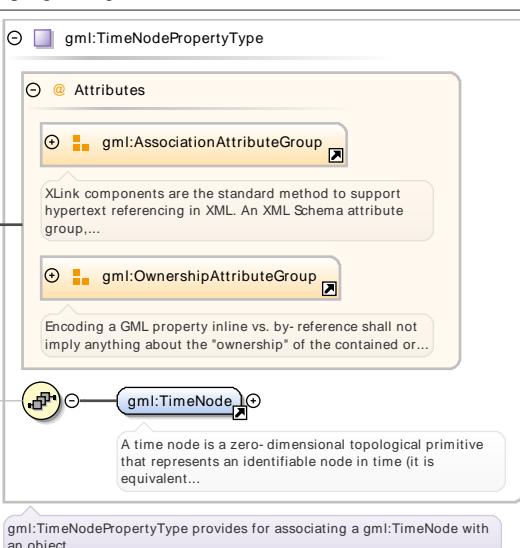
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	gml:NilReasonType			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	xlink:actuateType			optional
<code>xlink:arcrole</code>	xlink:arcroleType			optional
<code>xlink:href</code>	xlink:hrefType			optional
<code>xlink:role</code>	xlink:roleType			optional
<code>xlink:show</code>	xlink:showType			optional
<code>xlink:title</code>	xlink:titleAttrType			optional
<code>xlink:type</code>	xlink:typeType	simple		optional

Element `gml:TimeEdgeType` / `gml:end`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:TimeNodePropertyType

Properties

content: complex

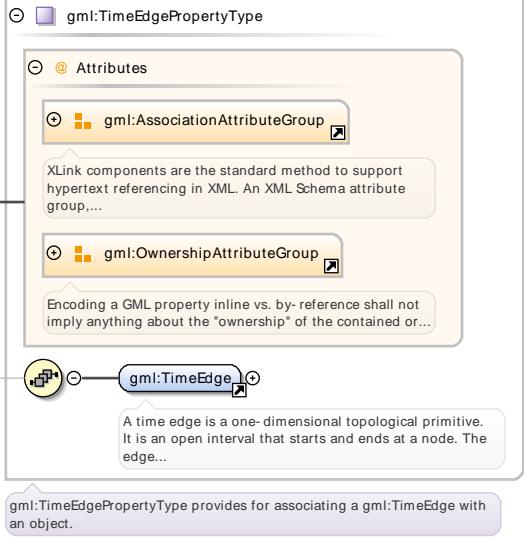
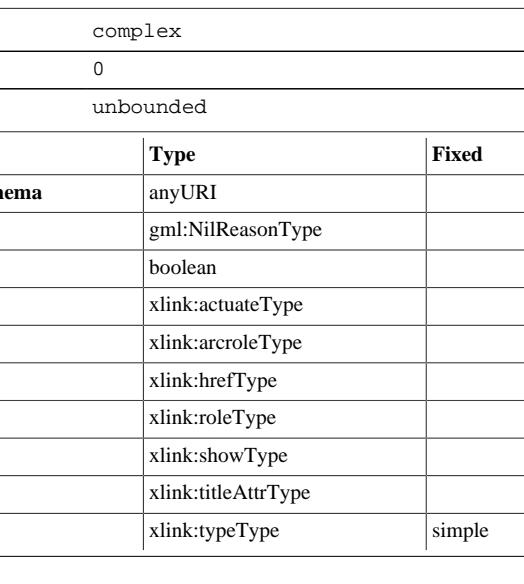
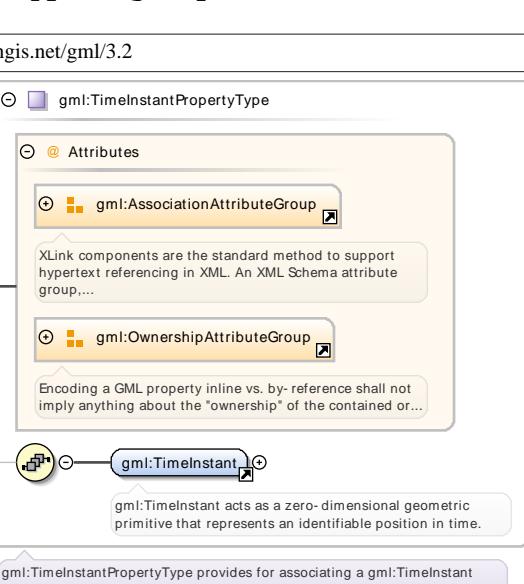
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:TimeEdgeType** / **gml:extent**

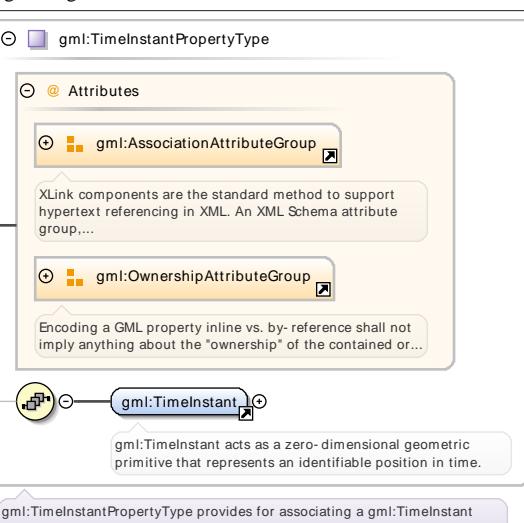
Namespace	http://www.opengis.net/gml/3.2																																																																		
Diagram	<p>The diagram illustrates the structure of the gml:TimePeriodPropertyType. It shows a central box for attributes containing the gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. Below this is the gml:TimePeriod primitive, which is described as a one-dimensional geometric primitive representing an identifiable extent in time. A note states: "gml:TimePeriodPropertyType provides for associating a gml:TimePeriod with an object." A callout points to the extent attribute, which is associated with the gml:TimePeriod.</p>																																																																		
Type	gml:TimePeriodPropertyType																																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0																																																														
content:	complex																																																																		
minOccurs:	0																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															

Element **gml:TimeNodeType** / **gml:nextEdge**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

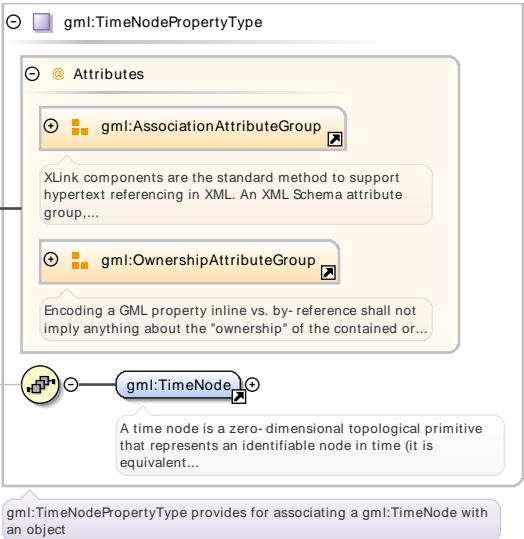
Diagram	 <p>Diagram illustrating the structure of gml:TimeEdgePropertyType. The type contains attributes for gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, which are part of XLink components. A reference to gml:TimeEdge is also shown. The diagram highlights the use of XLink components for hypertext referencing in XML.</p>																																																																		
Type	gml:TimeEdgePropertyType																																																																		
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																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															
Diagram	 <p>Diagram illustrating the structure of gml:TimeInstantPropertyType. The type contains attributes for gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, which are part of XLink components. A reference to gml:TimeInstant is also shown. The diagram highlights the use of XLink components for hypertext referencing in XML.</p>																																																																		
Type	gml:TimeInstantPropertyType																																																																		
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																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															
Diagram	 <p>Diagram illustrating the structure of gml:TimeInstantPropertyType. The type contains attributes for gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, which are part of XLink components. A reference to gml:TimeInstant is also shown. The diagram highlights the use of XLink components for hypertext referencing in XML.</p>																																																																		
Type	gml:TimeInstantPropertyType																																																																		

Element **gml:TimeNodeType** / **gml:position**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Diagram illustrating the structure of gml:TimeInstantPropertyType. The type contains attributes for gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, which are part of XLink components. A reference to gml:TimeInstant is also shown. The diagram highlights the use of XLink components for hypertext referencing in XML.</p>
Type	gml:TimeInstantPropertyType

Properties	content:	complex				
	minOccurs:	0				
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

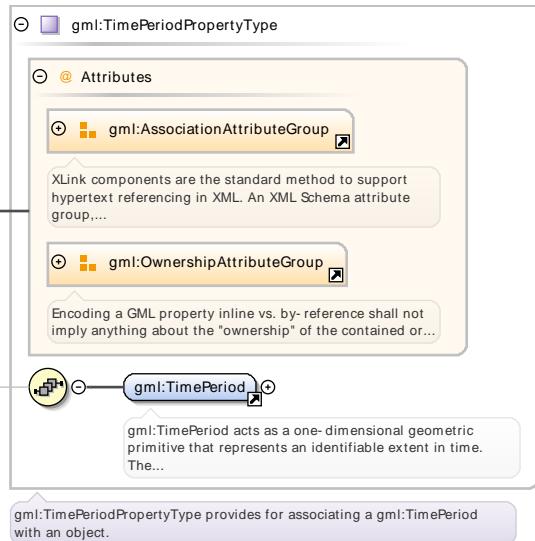
Element **gml:TimeOrdinalEraType** / **gml:end**

Namespace	http://www.opengis.net/gml/3.2					
Diagram	 <p>Diagram illustrating the structure of gml:TimeNodePropertyType. It shows associations with gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. A reference to gml:TimeNode is also shown. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." and "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...".</p>					
Type	gml:TimeNodePropertyType					
Properties	content: complex minOccurs: 0					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:TimeOrdinalEraType** / **gml:extent**

Namespace	http://www.opengis.net/gml/3.2					
-----------	--------------------------------	--	--	--	--	--

Diagram



Type

`gml:TimePeriodPropertyType`

Properties

content: complex

minOccurs: 0

Attributes

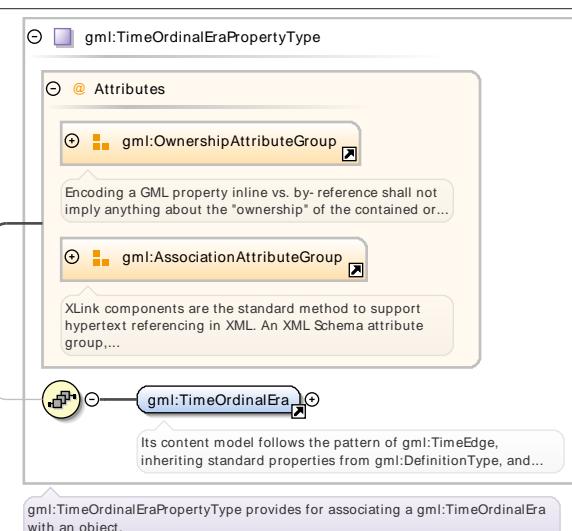
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:TimeOrdinalEraType` / `gml:member`

Namespace

`http://www.opengis.net/gml/3.2`

Diagram



Type

`gml:TimeOrdinalEraPropertyType`

Properties

content: complex

	minOccurs:	0				
	maxOccurs:	unbounded				
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:TimeOrdinalEraType** / **gml:group**

Namespace	http://www.opengis.net/gml/3.2																																																																		
Diagram	<p>The diagram illustrates the structure of the gml:ReferenceType element. It shows inheritance from gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the 'ownership' of the contained or..." and "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...".</p>																																																																		
Type	gml:ReferenceType																																																																		
Properties	<p>content: complex</p> <p>minOccurs: 0</p>																																																																		
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Fixed</td> <td>Default</td> <td>Use</td> <td></td> </tr> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> <td></td> </tr> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															

Element **gml:AbstractTimeTopologyPrimitive**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:TimeTopologyPrimitive acts as the head of a substitution group for topological temporal primitives. Temporal topology primitives shall imply the ordering information between features or feature properties. The temporal connection of features can be examined if they have temporal topology primitives as values of their properties. Usually, an instantaneous feature associates with a time node, and a static feature associates with a time edge. A feature with both modes associates with the temporal topology</p>

primitive: a supertype of time nodes and time edges. A topological primitive is always connected to one or more other topological primitives, and is, therefore, always a member of a topological complex. In a GML instance, this will often be indicated by the primitives being described by elements that are descendants of an element describing a complex. However, in order to support the case where a temporal topological primitive is described in another context, the optional complex property is provided, which carries a reference to the parent temporal topological complex.

Diagram									
Type	gml:AbstractTimeTopologyPrimitiveType								
Properties	<p>content: complex</p> <p>abstract: true</p>								
Substitution Group	<ul style="list-style-type: none"> gml:TimeNode gml:TimeEdge 								
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractTimePrimitive 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required	
QName	Type	Use							
gml:id	ID	required							

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element **gml:TimeTopologyComplex**

Namespace	http://www.opengis.net/gml/3.2										
Annotations	<p>A temporal topology complex shall be the connected acyclic directed graph composed of temporal topological primitives, i.e. time nodes and time edges. Because a time edge may not exist without two time nodes on its boundaries, static features have time edges from a temporal topology complex as the values of their temporal properties, regardless of explicit declarations. A temporal topology complex expresses a linear or a non-linear graph. A temporal linear graph, composed of a sequence of time edges, provides a lineage described only by "substitution" of feature instances or feature element values. A time node as the start or the end of the graph connects with at least one time edge. A time node other than the start and the end shall connect to at least two time edges: one of starting from the node, and another ending at the node. A temporal topological complex is a set of connected temporal topological primitives. The member primitives are indicated, either by reference or by value, using the primitive property.</p>										
Diagram											
Type	gml:TimeTopologyComplexType										
Properties	content: complex										
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractTimeComplex 										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> <td></td> </tr> </tbody> </table>		QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use									
gml:id	ID	required									
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.										

Element `gml:TimeTopologyComplexType / gml:primitive`

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>Diagram illustrating the inheritance structure of the <code>gml:TimeTopologyComplexType / gml:primitive</code> element. It shows the inheritance from <code>gml:TimeTopologyPrimitivePropertyType</code> and <code>gml:AbstractTimeTopologyPrimitive</code>. The <code>gml:primitive</code> element is shown with a relationship to the <code>gml:TimeTopologyPrimitivePropertyType</code> and <code>gml:AbstractTimeTopologyPrimitive</code> types. The <code>gml:TimeTopologyPrimitivePropertyType</code> type contains attributes for <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. The <code>gml:AbstractTimeTopologyPrimitive</code> type is described as the head of a substitution group for topological temporal primitives. A note states that <code>gml:TimeTopologyPrimitivePropertyType</code> provides for associating a <code>gml:AbstractTimeTopologyPrimitive</code> with an object.</p>																																																							
Type	<code>gml:TimeTopologyPrimitivePropertyType</code>																																																							
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded																																																			
content:	complex																																																							
maxOccurs:	unbounded																																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:anchorPoint`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>Diagram illustrating the inheritance structure of the <code>gml:anchorPoint</code> element. It shows the inheritance from <code>gml:CodeType</code>. The <code>gml:anchorPoint</code> element is shown with a relationship to the <code>gml:CodeType</code> type. The <code>gml:CodeType</code> type contains attributes for <code>codeSpace</code>. A note states that <code>gml:CodeType</code> is a generalized type to be used for a term, keyword or name. It adds a XML attribute <code>codeSpace</code> to a term. A <code>Substitution Group</code> is shown for <code>gml:anchorDefinition</code>, with a note stating that <code>gml:anchorDefinition</code> is a description, possibly including coordinates, of the definition used to anchor the datum to...</p>

Type	gml:CodeType		
Properties	content: complex		
Substitution Group Affiliation	• gml:anchorDefinition		
Attributes	QName	Type	Use
	codeSpace	anyURI	optional

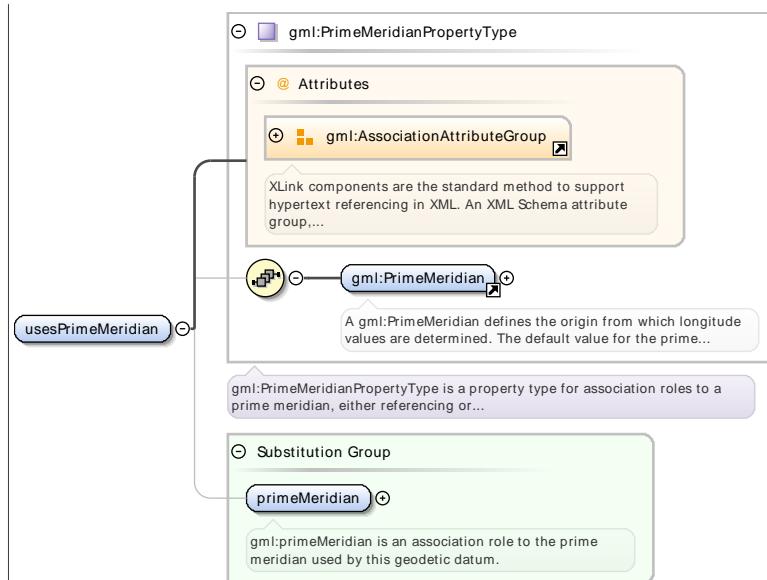
Element gml:datumRef

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:Datum.PropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	optional
	nilReason	gml:NilReasonType	optional
	xlink:actuate	xlink:actuateType	optional
	xlink:arcrole	xlink:arcroleType	optional
	xlink:href	xlink:hrefType	optional
	xlink:role	xlink:roleType	optional
	xlink:show	xlink:showType	optional
	xlink:title	xlink:titleAttrType	optional
	xlink:type	xlink:typeType	simple
			optional

Element gml:usesPrimeMeridian

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram

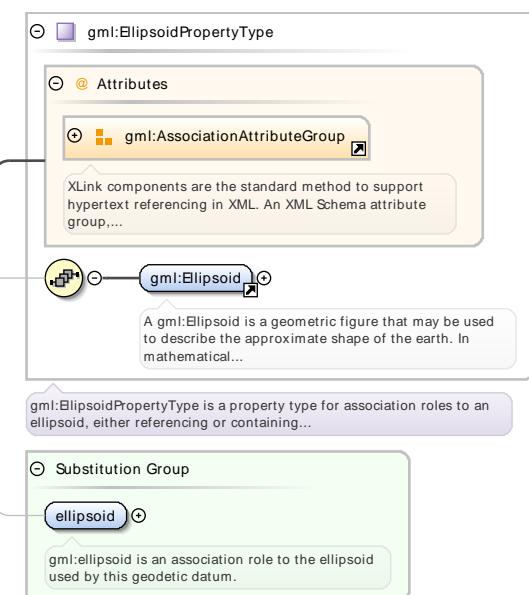


Type	<code>gml:PrimeMeridianPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	• <code>gml:primeMeridian</code>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:usesEllipsoid`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type

gml:EllipsoidPropertyType

Properties

content: complex

Substitution Group Affiliation

- gml:ellipsoid

Attributes

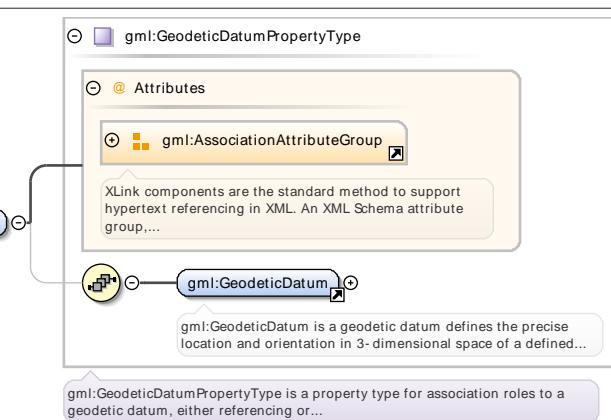
QName	Type	Fixed	Use	
<code>gml:remoteSchema</code>	anyURI		optional	
<code>nilReason</code>	gml:NilReasonType		optional	
<code>xlink:actuate</code>	xlink:actuateType		optional	
<code>xlink:arcrole</code>	xlink:arcroleType		optional	
<code>xlink:href</code>	xlink:hrefType		optional	
<code>xlink:role</code>	xlink:roleType		optional	
<code>xlink:show</code>	xlink:showType		optional	
<code>xlink:title</code>	xlink:titleAttrType		optional	
<code>xlink:type</code>	xlink:typeType	simple	optional	

Element `gml:geodeticDatumRef`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:GeodeticDatumPropertyType

Properties

content: complex

Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:ellipsoidRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:EllipsoidPropertyType element. It features an AssociationAttributeGroup containing gml:Ellipsoid and gml:EllipsoidRef. A callout box provides a detailed description of gml:Ellipsoid as a geometric figure used to describe the shape of the Earth. Another callout box describes the purpose of gml:EllipsoidPropertyType for association roles.</p>																																								
Type	gml:EllipsoidPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:primeMeridianRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																																									
Type	gml:PrimeMeridianPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:engineeringDatumRef

Namespace	http://www.opengis.net/gml/3.2																																
Diagram																																	
Type	gml:EngineeringDatumPropertyType																																
Properties	content: complex																																
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional
QName	Type	Fixed	Use																														
gml:remoteSchema	anyURI		optional																														
nilReason	gml:NilReasonType		optional																														
xlink:actuate	xlink:actuateType		optional																														
xlink:arcrole	xlink:arcroleType		optional																														
xlink:href	xlink:hrefType		optional																														
xlink:role	xlink:roleType		optional																														
xlink:show	xlink:showType		optional																														

QName	Type	Fixed	Use
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element `gml:imageDatumRef`

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:ImageDatumPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element `gml:verticalDatumRef`

Namespace	http://www.opengis.net/gml/3.2								
Diagram									
Type	gml:VerticalDatumPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional
QName	Type	Fixed	Use						
gml:remoteSchema	anyURI		optional						

QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:temporalDatumRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:TemporalDatumPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:coordinateOperationRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of gml:CoordinateOperationPropertyType. It shows the type definition with its attributes and associations. The coordinateOperationRef element is shown as a reference to gml:AbstractCoordinateOperation. The gml:AssociationAttributeGroup is highlighted, and a note explains its use for hypertext referencing. The gml:CoordinateOperationPropertyType is described as a property type for association roles to a coordinate operation.</p>																																								
Type	gml:CoordinateOperationPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:singleOperationRef**

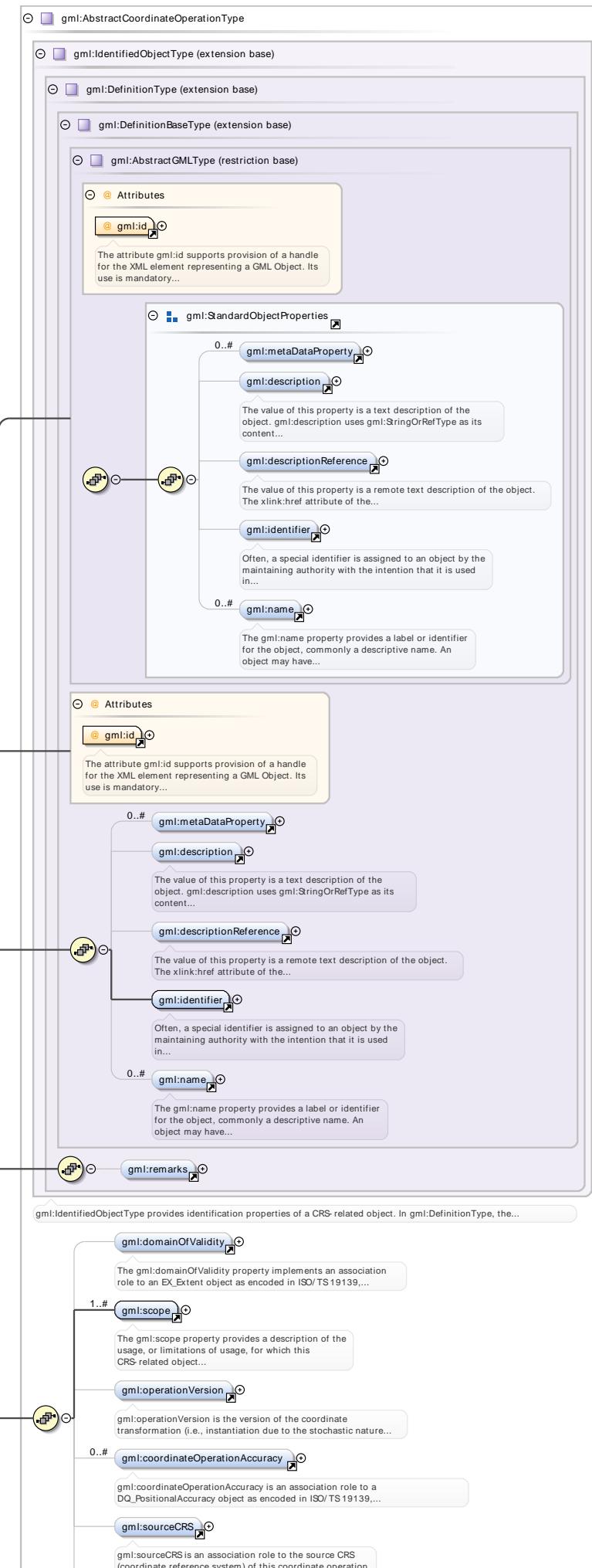
Namespace	http://www.opengis.net/gml/3.2																																
Diagram	<p>Diagram illustrating the structure of gml:SingleOperationPropertyType. It shows the type definition with its attributes and associations. The singleOperationRef element is shown as a reference to gml:AbstractSingleOperation. The gml:AssociationAttributeGroup is highlighted, and a note explains its use for hypertext referencing. The gml:SingleOperationPropertyType is described as a property type for association roles to a single operation.</p>																																
Type	gml:SingleOperationPropertyType																																
Properties	content: complex																																
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional
QName	Type	Fixed	Use																														
gml:remoteSchema	anyURI		optional																														
nilReason	gml:NilReasonType		optional																														
xlink:actuate	xlink:actuateType		optional																														
xlink:arcrole	xlink:arcroleType		optional																														
xlink:href	xlink:hrefType		optional																														
xlink:role	xlink:roleType		optional																														
xlink:show	xlink:showType		optional																														

QName	Type	Fixed	Use	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Element `gml:AbstractOperation`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	gml:AbstractCoordinateOperationType		
Properties	content: complex abstract: true		
Substitution Group	<ul style="list-style-type: none"> gml:AbstractGeneralConversion gml:Conversion gml:AbstractGeneralTransformation gml:Transformation 		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractSingleOperation 		
Attributes	QName gml:id	Type ID	Use required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

Element **gml:operationRef**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the gml:operationRef element. It shows gml:operationRef (represented by a rounded rectangle) associated with gml:AbstractOperation (represented by a rounded rectangle) via an association named gml:AssociationAttributeGroup (represented by a rounded rectangle with a yellow border). The gml:AssociationAttributeGroup is part of the gml:OperationPropertyType (represented by a rounded rectangle with a blue border). The gml:OperationPropertyType also contains the gml:id attribute (represented by a small rectangle with a blue border) and other attributes (represented by a rounded rectangle with a yellow border).</p>		
Type	gml:OperationPropertyType		
Properties	content: complex		
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed Use optional optional optional optional optional optional optional optional optional

Element **gml:generalConversionRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of gml:GeneralConversionPropertyType. It shows associations with gml:GeneralConversionPropertyType (parent), gml:AssociationAttributeGroup (child), and gml:AbstractGeneralConversion (child). A tooltip for gml:AssociationAttributeGroup explains its purpose: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....' A tooltip for gml:AbstractGeneralConversion states: 'gml:AbstractGeneralConversion is an abstract operation on coordinates that does not include any change of datum. The...' A general note for gml:GeneralConversionPropertyType is: 'gml:GeneralConversionPropertyType is a property type for association roles to a general conversion, either referencing...'.</p>																																								
Type	gml:GeneralConversionPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:generalTransformationRef

Namespace	http://www.opengis.net/gml/3.2																																
Diagram	<p>Diagram illustrating the structure of gml:GeneralTransformationPropertyType. It shows associations with gml:GeneralTransformationPropertyType (parent), gml:AssociationAttributeGroup (child), and gml:AbstractGeneralTransformation (child). A tooltip for gml:AssociationAttributeGroup explains its purpose: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....' A tooltip for gml:AbstractGeneralTransformation states: 'gml:AbstractGeneralTransformation is an abstract operation on coordinates that usually includes a change of Datum. The...' A general note for gml:GeneralTransformationPropertyType is: 'gml:GeneralTransformationPropertyType is a property type for association roles to a general transformation, either referencing...'.</p>																																
Type	gml:GeneralTransformationPropertyType																																
Properties	content: complex																																
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional
QName	Type	Fixed	Use																														
gml:remoteSchema	anyURI		optional																														
nilReason	gml:NilReasonType		optional																														
xlink:actuate	xlink:actuateType		optional																														
xlink:arcrole	xlink:arcroleType		optional																														
xlink:href	xlink:hrefType		optional																														
xlink:role	xlink:roleType		optional																														
xlink:show	xlink:showType		optional																														

QName	Type	Fixed	Use
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element `gml:usesSingleOperation`

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the <code>gml:usesSingleOperation</code> element. It is a property type for association roles to a coordinate operation. The diagram shows the following components:</p> <ul style="list-style-type: none"> gml:CoordinateOperationPropertyType: The main property type. Attributes: A group of attributes, including gml:AssociationAttributeGroup. gml:AbstractCoordinateOperation: A mathematical operation on coordinates that transforms or converts coordinates to... gml:CoordinateOperationPropertyType: A property type for association roles to a coordinate operation, either... Substitution Group: A group containing coordOperation. gml:coordOperation: An association role to a coordinate operation. 																																								
Type	<code>gml:CoordinateOperationPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	• <code>gml:coordOperation</code>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:concatenatedOperationRef`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the structure of the <code>gml:concatenatedOperationRef</code> element. It is a property type for association roles to a concatenated operation. The diagram shows the following components:</p> <ul style="list-style-type: none"> gml:ConcatenatedOperationPropertyType: The main property type. Attributes: A group of attributes, including gml:AssociationAttributeGroup. gml:ConcatenatedOperation: A concatenated operation. gml:ConcatenatedOperationPropertyType: A property type for association roles to a concatenated operation, either...

Type	gml:ConcatenatedOperationPropertyType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:usesOperation

Namespace	http://www.opengis.net/gml/3.2																																											
Diagram	<p>The diagram illustrates the structure of the gml:CoordinateOperationPropertyType. It starts with a main box for gml:CoordinateOperationPropertyType, which contains an 'Attributes' section (gml:AssociationAttributeGroup) and a 'Substitution Group' section (coordOperation). The 'Attributes' section is described as an XML Schema attribute group for XLink components. The 'Substitution Group' section is described as an association role to a coordinate operation. A 'usesOperation' association is shown pointing from the main box to the 'coordOperation' section.</p>																																											
Type	gml:CoordinateOperationPropertyType																																											
Properties	content: complex																																											
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:coordOperation 																																											
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Fixed</td> <td>Use</td> </tr> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </table>				QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																									
gml:remoteSchema	anyURI		optional																																									
nilReason	gml:NilReasonType		optional																																									
xlink:actuate	xlink:actuateType		optional																																									
xlink:arcrole	xlink:arcroleType		optional																																									
xlink:href	xlink:hrefType		optional																																									
xlink:role	xlink:roleType		optional																																									
xlink:show	xlink:showType		optional																																									
xlink:title	xlink:titleAttrType		optional																																									
xlink:type	xlink:typeType	simple	optional																																									

Element gml:passThroughOperationRef

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of the <code>gml:PassThroughOperationPropertyType</code> element. The element contains attributes and a detailed description of the <code>gml:PassThroughOperation</code> component.</p>																																								
Type	<code>gml:PassThroughOperationPropertyType</code>																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:usesMethod`

Namespace	<code>http://www.opengis.net/gml/3.2</code>								
Diagram	<p>Diagram illustrating the structure of the <code>gml:OperationMethodPropertyType</code> element. The element contains attributes and a detailed description of the <code>gml:OperationMethod</code> component. It also includes a substitution group for the <code>gml:method</code> attribute.</p>								
Type	<code>gml:OperationMethodPropertyType</code>								
Properties	content: complex								
Substitution Group Affiliation	• <code>gml:method</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional
QName	Type	Fixed	Use						
<code>gml:remoteSchema</code>	anyURI		optional						

QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:usesValue**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:AbstractGeneralParameterValuePropertyType
Properties	content: complex
Substitution Group	• gml:parameterValue
Affiliation	

Element **gml:conversionRef**

Namespace	http://www.opengis.net/gml/3.2																
Diagram																	
Type	gml:ConversionPropertyType																
Properties	content: complex																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional
QName	Type	Fixed	Use														
gml:remoteSchema	anyURI		optional														
nilReason	gml:NilReasonType		optional														
xlink:actuate	xlink:actuateType		optional														

QName	Type	Fixed	Use
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

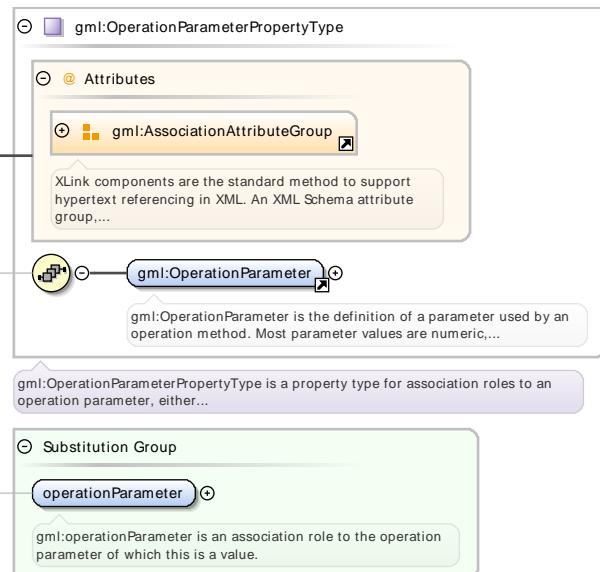
Element **gml:transformationRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:transformationRef element. It is a complex type derived from gml:TransformationPropertyType. The transformationRef element is associated with the gml:AssociationAttributeGroup, which contains the xlink:href attribute. This attribute is used for hypertext referencing in XML. The gml:Transformation element is a concrete object derived from gml:GeneralTransformation. The gml:TransformationPropertyType is a property type for association roles to a transformation, either referencing or...</p>																																								
Type	gml:TransformationPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:valueOfParameter**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:OperationParameterPropertyType

Properties

content: complex

Substitution Group Affiliation

- `gml:operationParameter`

Attributes

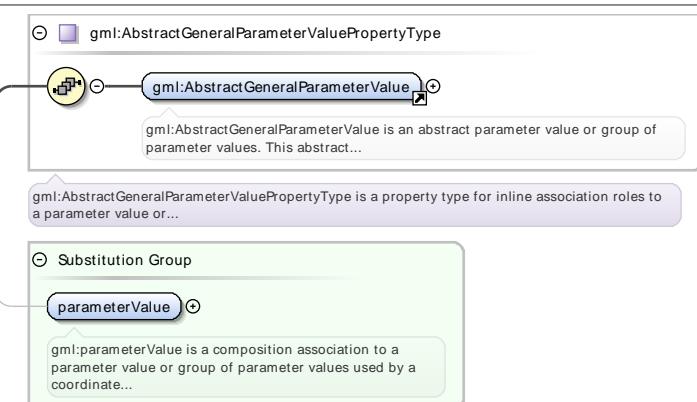
QName	Type	Fixed	Use
<code>gml:remoteSchema</code>	anyURI		optional
<code>nilReason</code>	gml:NilReasonType		optional
<code>xlink:actuate</code>	xlink:actuateType		optional
<code>xlink:arcrole</code>	xlink:arcroleType		optional
<code>xlink:href</code>	xlink:hrefType		optional
<code>xlink:role</code>	xlink:roleType		optional
<code>xlink:show</code>	xlink:showType		optional
<code>xlink:title</code>	xlink:titleAttrType		optional
<code>xlink:type</code>	xlink:typeType	simple	optional

Element `gml:includesValue`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:AbstractGeneralParameterValuePropertyType

Properties

content: complex

Substitution Group Affiliation

- `gml:parameterValue`

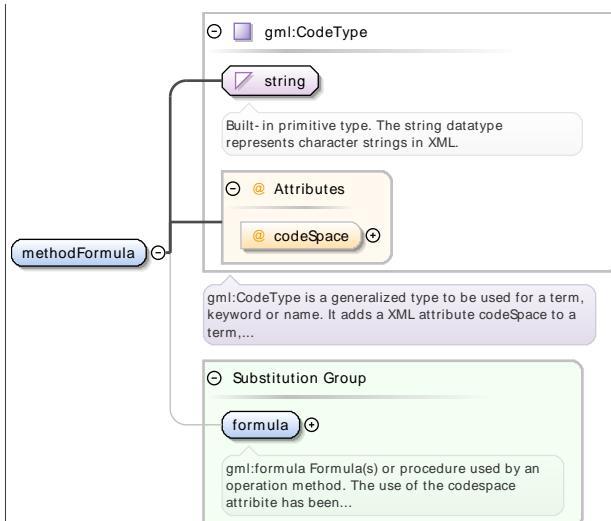
Element `gml:valuesOfGroup`

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the inheritance of the <code>gml:valuesOfGroup</code> element. It shows that <code>gml:valuesOfGroup</code> is a complex type that inherits from <code>gml:OperationParameterGroupPropertyType</code>. This inheritance is indicated by a line connecting the <code>valuesOfGroup</code> box to the <code>gml:OperationParameterGroupPropertyType</code> box. The <code>gml:OperationParameterGroupPropertyType</code> box contains an <code>gml:AssociationAttributeGroup</code> (highlighted in orange) and a <code>gml:OperationParameterGroup</code> (highlighted in yellow). A callout box provides a detailed description of the <code>gml:AssociationAttributeGroup</code>: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". Another callout box describes the <code>gml:OperationParameterGroup</code>: "gml:OperationParameterGroup is the definition of a group of parameters used by an operation method. This complex type...". A third callout box describes the <code>gml:OperationParameterPropertyType</code>: "gml:OperationParameterPropertyType is a property type for association roles to an operation parameter group, either...". Below these, a <code>Substitution Group</code> box contains the <code>gml:group</code> element, with a callout box stating: "gml:group is an association role to the operation parameter group for which this element provides parameter values".</p>																																								
Type	<code>gml:OperationParameterGroupPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:group</code> 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:methodFormula`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

`gml:CodeType`

Properties

content: complex

Substitution Group Affiliation

- `gml:formula`

Attributes

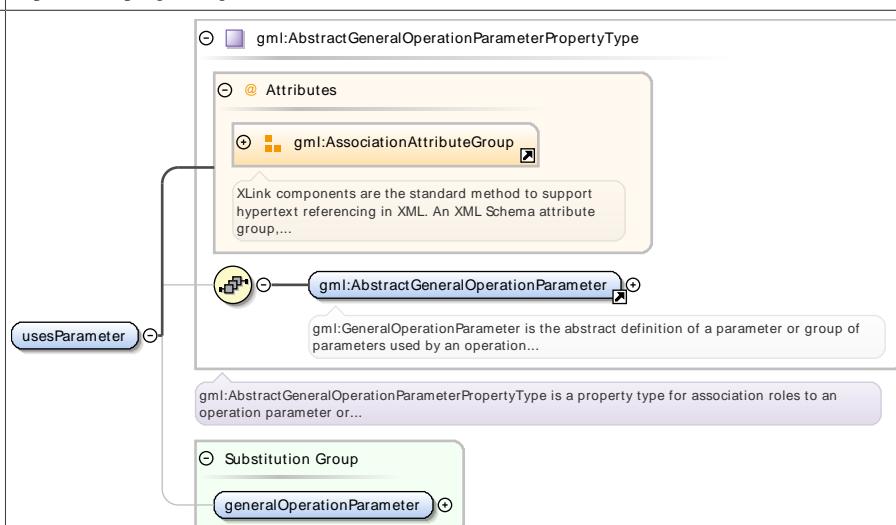
QName	Type	Use
<code>codeSpace</code>	anyURI	optional

Element `gml:usesParameter`

Namespace

<http://www.opengis.net/gml/3.2>

Diagram



Type

`gml:AbstractGeneralOperationParameterPropertyType`

Properties

content: complex

Substitution Group Affiliation

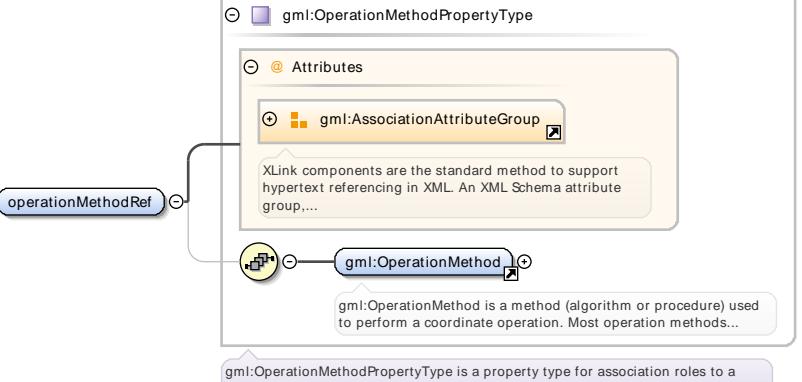
- `gml:generalOperationParameter`

Attributes

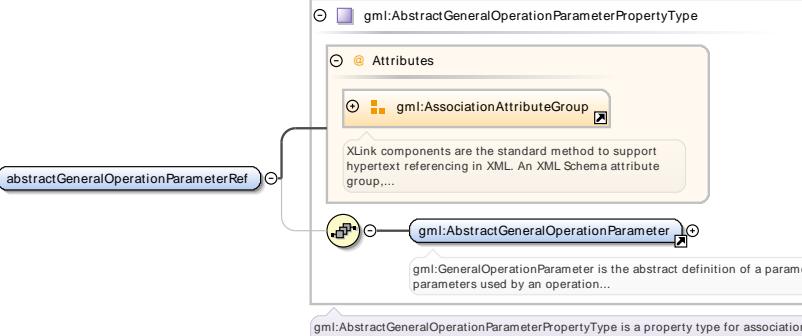
QName	Type	Fixed	Use
<code>gml:remoteSchema</code>	anyURI		optional
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional

QName	Type	Fixed	Use
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:operationMethodRef**

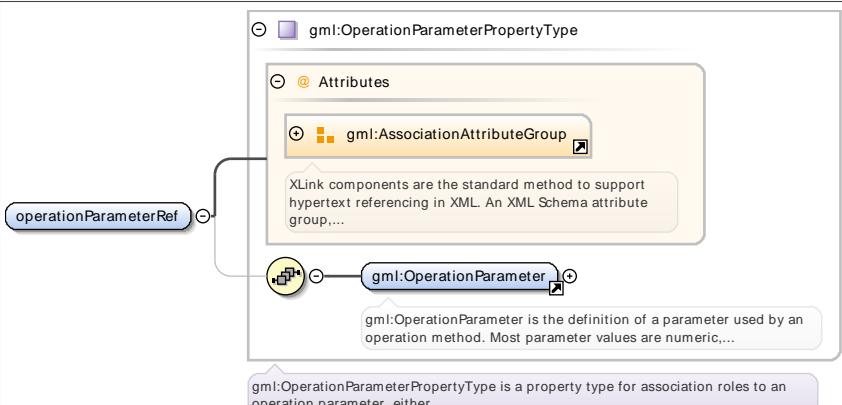
Namespace	http://www.opengis.net/gml/3.2																																										
Diagram	 <p>The diagram illustrates the structure of the gml:OperationMethodPropertyType element. It shows the element itself with a list of attributes. One attribute, operationMethodRef, is highlighted with a blue border. A callout box provides a detailed description of this attribute: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." Another callout box describes the element: "gml:OperationMethod is a method (algorithm or procedure) used to perform a coordinate operation. Most operation methods..." A third callout box describes the property type: "gml:OperationMethodPropertyType is a property type for association roles to a concrete general-purpose operation..."</p>																																										
Type	gml:OperationMethodPropertyType																																										
Properties	content: complex																																										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional		
QName	Type	Fixed	Use																																								
gml:remoteSchema	anyURI		optional																																								
nilReason	gml:NilReasonType		optional																																								
xlink:actuate	xlink:actuateType		optional																																								
xlink:arcrole	xlink:arcroleType		optional																																								
xlink:href	xlink:hrefType		optional																																								
xlink:role	xlink:roleType		optional																																								
xlink:show	xlink:showType		optional																																								
xlink:title	xlink:titleAttrType		optional																																								
xlink:type	xlink:typeType	simple	optional																																								

Element **gml:abstractGeneralOperationParameterRef**

Namespace	http://www.opengis.net/gml/3.2										
Diagram	 <p>The diagram illustrates the structure of the gml:AbstractGeneralOperationParameterPropertyType element. It shows the element itself with a list of attributes. One attribute, abstractGeneralOperationParameterRef, is highlighted with a blue border. A callout box provides a detailed description of this attribute: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." Another callout box describes the element: "gml:GeneralOperationParameter is the abstract definition of a parameter or group of parameters used by an operation..." A third callout box describes the property type: "gml:AbstractGeneralOperationParameterPropertyType is a property type for association roles to an operation parameter or..."</p>										
Type	gml:AbstractGeneralOperationParameterPropertyType										
Properties	content: complex										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional		
QName	Type	Fixed	Use								
gml:remoteSchema	anyURI		optional								

QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

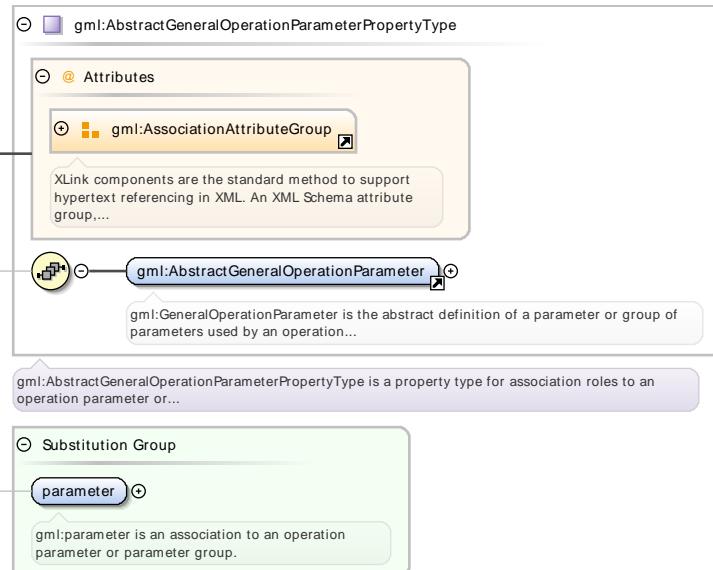
Element **gml:operationParameterRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:OperationParameterPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:includesParameter**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type gml:AbstractGeneralOperationParameterPropertyType

Properties content: complex

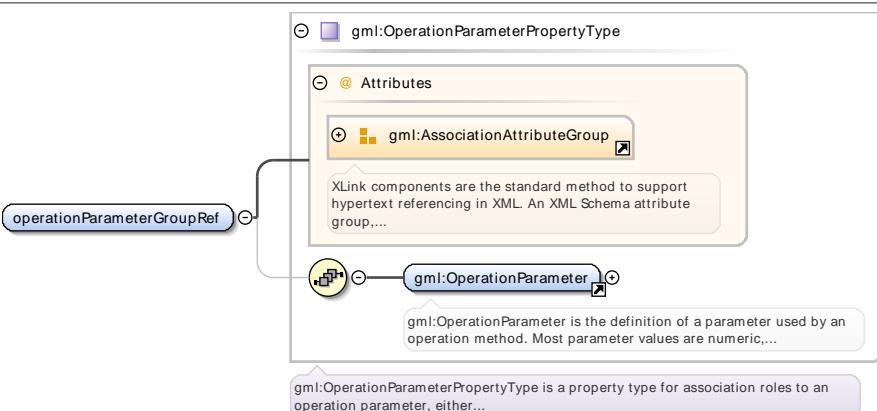
Substitution Group Affiliation • gml:parameter

Attributes	QName	Type	Fixed	Use
gml:remoteSchema	anyURI			optional
nilReason	gml:NilReasonType			optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element gml:operationParameterGroupRef

Namespace http://www.opengis.net/gml/3.2

Diagram



Type gml:OperationParameterPropertyType

Properties content: complex

Attributes	QName	Type	Fixed	Use
gml:remoteSchema	anyURI			optional

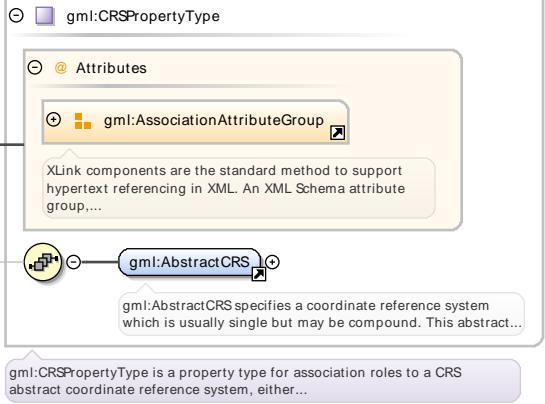
QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:referenceSystemRef**

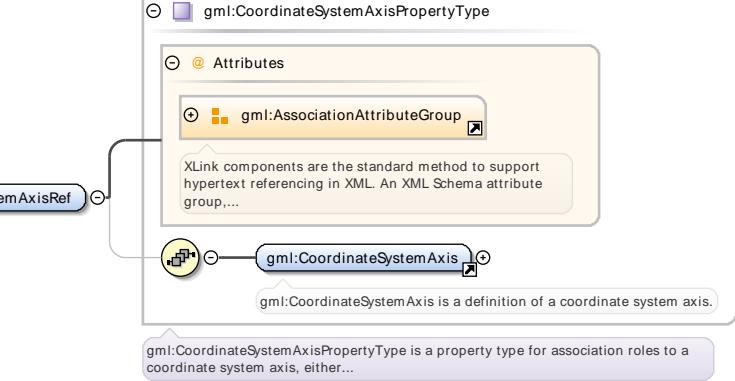
Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:CRSPROPERTYTYPE																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:crsRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																																																			
Type	gml:CRSPROPERTYTYPE																																																		
Properties	content: complex																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td><td></td></tr> <tr> <td></td><td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use		gml:remoteSchema	anyURI		optional		nilReason	gml:NilReasonType		optional		xlink:actuate	xlink:actuateType		optional		xlink:arcrole	xlink:arcroleType		optional		xlink:href	xlink:hrefType		optional		xlink:role	xlink:roleType		optional		xlink:show	xlink:showType		optional		xlink:title	xlink:titleAttrType		optional			xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																																
gml:remoteSchema	anyURI		optional																																																
nilReason	gml:NilReasonType		optional																																																
xlink:actuate	xlink:actuateType		optional																																																
xlink:arcrole	xlink:arcroleType		optional																																																
xlink:href	xlink:hrefType		optional																																																
xlink:role	xlink:roleType		optional																																																
xlink:show	xlink:showType		optional																																																
xlink:title	xlink:titleAttrType		optional																																																
	xlink:type	xlink:typeType	simple	optional																																															

Element gml:coordinateSystemAxisRef

Namespace	http://www.opengis.net/gml/3.2																																													
Diagram																																														
Type	gml:CoordinateSystemAxisPROPERTYTYPE																																													
Properties	content: complex																																													
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		gml:remoteSchema	anyURI		optional		nilReason	gml:NilReasonType		optional		xlink:actuate	xlink:actuateType		optional		xlink:arcrole	xlink:arcroleType		optional		xlink:href	xlink:hrefType		optional		xlink:role	xlink:roleType		optional		xlink:show	xlink:showType		optional		xlink:title	xlink:titleAttrType		optional	
QName	Type	Fixed	Use																																											
gml:remoteSchema	anyURI		optional																																											
nilReason	gml:NilReasonType		optional																																											
xlink:actuate	xlink:actuateType		optional																																											
xlink:arcrole	xlink:arcroleType		optional																																											
xlink:href	xlink:hrefType		optional																																											
xlink:role	xlink:roleType		optional																																											
xlink:show	xlink:showType		optional																																											
xlink:title	xlink:titleAttrType		optional																																											

QName	Type	Fixed	Use	
xlink:type	xlink:typeType	simple	optional	

Element **gml:usesAxis**

Namespace	http://www.opengis.net/gml/3.2																																																		
Diagram	<p>The diagram illustrates the gml:CoordinateSystemAxisPropertyType element. It shows the usesAxis attribute, which is part of the gml:AssociationAttributeGroup. A callout box provides a detailed description of XLink components and their use in XML. The gml:CoordinateSystemAxis element is also shown, with a callout box explaining it as a definition of a coordinate system axis. The gml:CoordinateSystemAxisPropertyType is described as a property type for association roles to a coordinate system axis. A Substitution Group is shown with the axis property, which is described as an association role to the coordinate system axes included in this...</p>																																																		
Type	gml:CoordinateSystemAxisPropertyType																																																		
Properties	content: complex																																																		
Substitution Group Affiliation	• gml:axis																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Use		gml:remoteSchema	anyURI		optional		nilReason	gml:NilReasonType		optional		xlink:actuate	xlink:actuateType		optional		xlink:arcrole	xlink:arcroleType		optional		xlink:href	xlink:hrefType		optional		xlink:role	xlink:roleType		optional		xlink:show	xlink:showType		optional		xlink:title	xlink:titleAttrType		optional		xlink:type	xlink:typeType	simple	optional	
QName	Type	Fixed	Use																																																
gml:remoteSchema	anyURI		optional																																																
nilReason	gml:NilReasonType		optional																																																
xlink:actuate	xlink:actuateType		optional																																																
xlink:arcrole	xlink:arcroleType		optional																																																
xlink:href	xlink:hrefType		optional																																																
xlink:role	xlink:roleType		optional																																																
xlink:show	xlink:showType		optional																																																
xlink:title	xlink:titleAttrType		optional																																																
xlink:type	xlink:typeType	simple	optional																																																

Element **gml:coordinateSystemRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

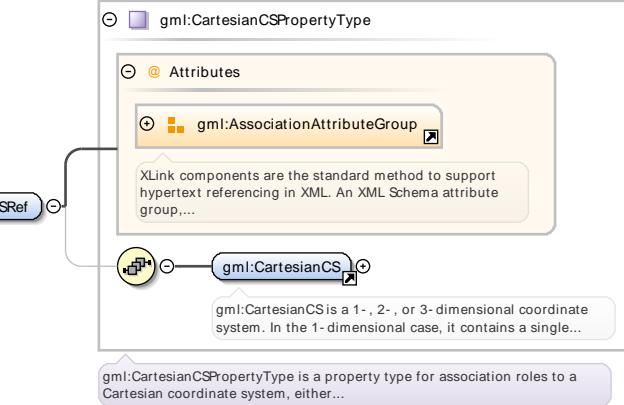
Diagram																																									
Type	gml:CoordinateSystemPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:ellipsoidalCSRef

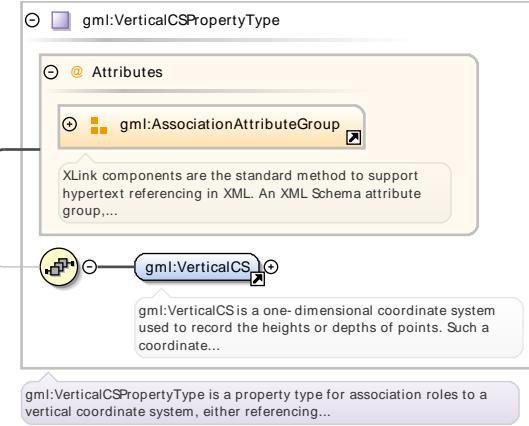
Namespace	http://www.opengis.net/gml/3.2																																
Diagram																																	
Type	gml:EllipsoidalCSPropertyType																																
Properties	content: complex																																
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional
QName	Type	Fixed	Use																														
gml:remoteSchema	anyURI		optional																														
nilReason	gml:NilReasonType		optional																														
xlink:actuate	xlink:actuateType		optional																														
xlink:arcrole	xlink:arcroleType		optional																														
xlink:href	xlink:hrefType		optional																														
xlink:role	xlink:roleType		optional																														
xlink:show	xlink:showType		optional																														

QName	Type	Fixed	Use
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element `gml:cartesianCSRef`

Namespace	http://www.opengis.net/gml/3.2																																										
Diagram	 <p>The diagram illustrates the structure of the <code>gml:CartesianCSPropertyType</code> element. It is a complex type with an <code>gml:AssociationAttributeGroup</code> and a <code>gml:CartesianCS</code> element. The <code>gml:CartesianCS</code> element is described as a 1-, 2-, or 3-dimensional coordinate system. The <code>gml:CartesianCSPropertyType</code> is a property type for association roles to a Cartesian coordinate system.</p>																																										
Type	<code>gml:CartesianCSPropertyType</code>																																										
Properties	content: complex																																										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional		
QName	Type	Fixed	Use																																								
<code>gml:remoteSchema</code>	anyURI		optional																																								
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																								
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																								
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																								
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																								
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																								
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																								
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																								
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																								

Element `gml:verticalCSRef`

Namespace	http://www.opengis.net/gml/3.2										
Diagram	 <p>The diagram illustrates the structure of the <code>gml:VerticalCSPropertyType</code> element. It is a complex type with an <code>gml:AssociationAttributeGroup</code> and a <code>gml:VerticalCS</code> element. The <code>gml:VerticalCS</code> element is described as a one-dimensional coordinate system used to record heights or depths of points. The <code>gml:VerticalCSPropertyType</code> is a property type for association roles to a vertical coordinate system.</p>										
Type	<code>gml:VerticalCSPropertyType</code>										
Properties	content: complex										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional		
QName	Type	Fixed	Use								
<code>gml:remoteSchema</code>	anyURI		optional								

QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:temporalCSRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:TemporalCSPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:linearCSRef**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:LinearCSPropertyType

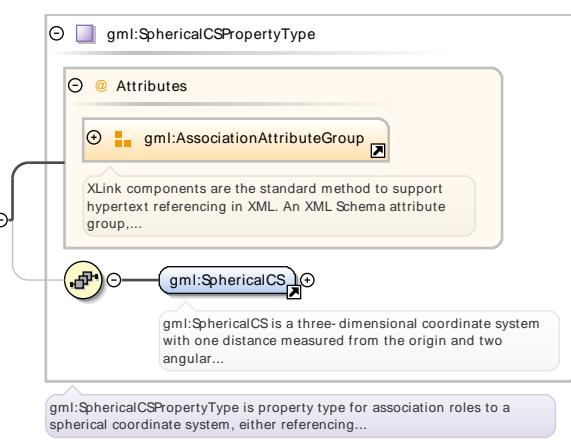
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:userDefinedCSRef**

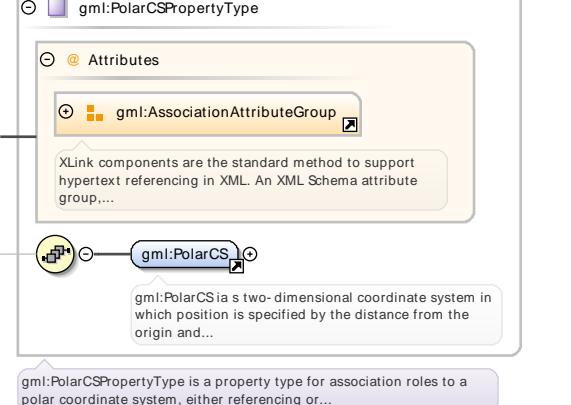
Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:UserDefinedCSPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <tr> <td>QName</td><td>Type</td><td>Fixed</td><td>Use</td></tr> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:sphericalCSRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	 <p>The diagram illustrates the structure of the gml:SphericalCSPropertyType. It is a complex type with the following components:</p> <ul style="list-style-type: none"> gml:SphericalCSPropertyType (represented by a blue square icon) Attributes (represented by a yellow square icon) gml:AssociationAttributeGroup (represented by an orange square icon) gml:SphericalCS (represented by a green square icon) <p>Annotations provide the following information:</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... gml:SphericalCS: gml:SphericalCS is a three-dimensional coordinate system with one distance measured from the origin and two angular... gml:SphericalCSPropertyType: gml:SphericalCSPropertyType is property type for association roles to a spherical coordinate system, either referencing... 																																								
Type	gml:SphericalCSPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:polarCSRef**

Namespace	http://www.opengis.net/gml/3.2																												
Diagram	 <p>The diagram illustrates the structure of the gml:PolarCSPropertyType. It is a complex type with the following components:</p> <ul style="list-style-type: none"> gml:PolarCSPropertyType (represented by a blue square icon) Attributes (represented by a yellow square icon) gml:AssociationAttributeGroup (represented by an orange square icon) gml:PolarCS (represented by a green square icon) <p>Annotations provide the following information:</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... gml:PolarCS: gml:PolarCS is a two-dimensional coordinate system in which position is specified by the distance from the origin and... gml:PolarCSPropertyType: gml:PolarCSPropertyType is property type for association roles to a polar coordinate system, either referencing or... 																												
Type	gml:PolarCSPropertyType																												
Properties	content: complex																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional
QName	Type	Fixed	Use																										
gml:remoteSchema	anyURI		optional																										
nilReason	gml:NilReasonType		optional																										
xlink:actuate	xlink:actuateType		optional																										
xlink:arcrole	xlink:arcroleType		optional																										
xlink:href	xlink:hrefType		optional																										
xlink:role	xlink:roleType		optional																										

QName	Type	Fixed	Use
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:cylindricalCSRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:CylindricalCSPropertyType. It is a complex type with an Attributes group. Within this group is a gml:AssociationAttributeGroup, which is described as a standard method for supporting hypertext referencing in XML. An association role is defined between cylindricalCSRef and gml:CylindricalCS. The gml:CylindricalCS type is described as a three-dimensional coordinate system extending a polar coordinate system. A note at the bottom states that gml:CylindricalCSPropertyType is a property type for association roles to a cylindrical coordinate system.</p>																																								
Type	gml:CylindricalCSPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:obliqueCartesianCSRef**

Namespace	http://www.opengis.net/gml/3.2																
Diagram	<p>The diagram illustrates the structure of the gml:ObliqueCartesianCSPropertyType. It is a complex type with an Attributes group. Within this group is a gml:AssociationAttributeGroup, which is described as a standard method for supporting hypertext referencing in XML. An association role is defined between obliqueCartesianCSRef and gml:ObliqueCartesianCS. The gml:ObliqueCartesianCS type is described as a three-dimensional coordinate system extending a Cartesian coordinate system.</p>																
Type	gml:ObliqueCartesianCSPropertyType																
Properties	content: complex																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional
QName	Type	Fixed	Use														
gml:remoteSchema	anyURI		optional														
nilReason	gml:NilReasonType		optional														
xlink:actuate	xlink:actuateType		optional														

QName	Type	Fixed	Use
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

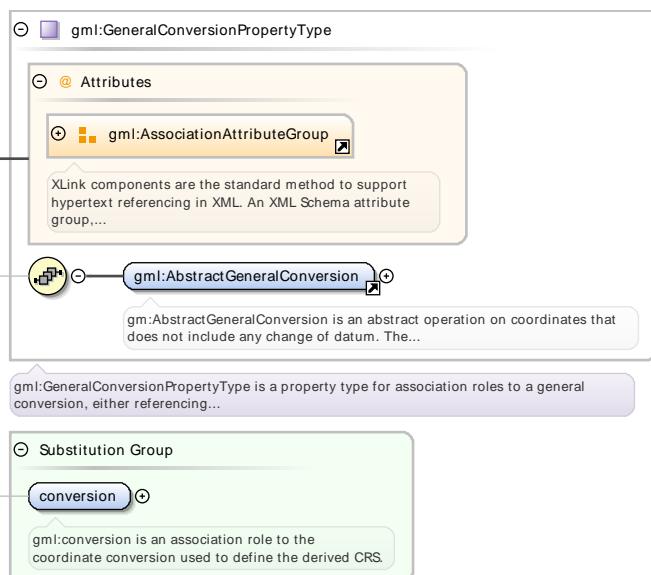
Element **gml:singleCRSRef**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:SingleCRSPROPERTYType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:definedByConversion**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:GeneralConversionPropertyType

Properties

content: complex

Substitution Group Affiliation

- gml:conversion

Attributes

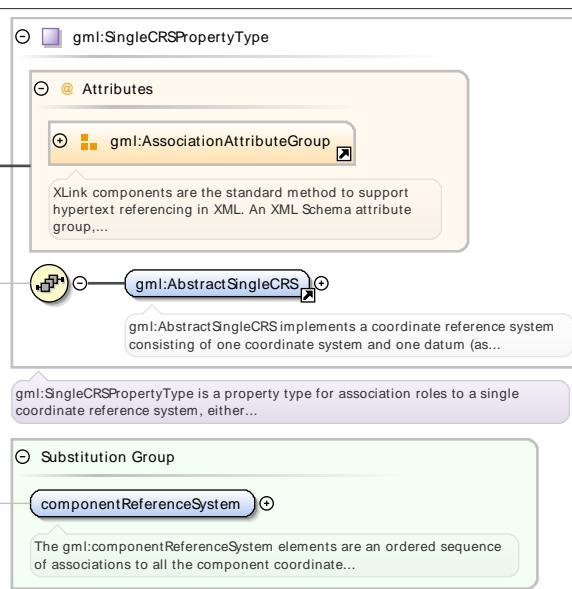
QName	Type	Fixed	Use
gml:remoteSchema	anyURI		optional
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element gml:includesSingleCRS

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type	gml:SingleCRSPROPERTYTYPE			
Properties	content: complex			
Substitution Group Affiliation	• gml:componentReferenceSystem			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

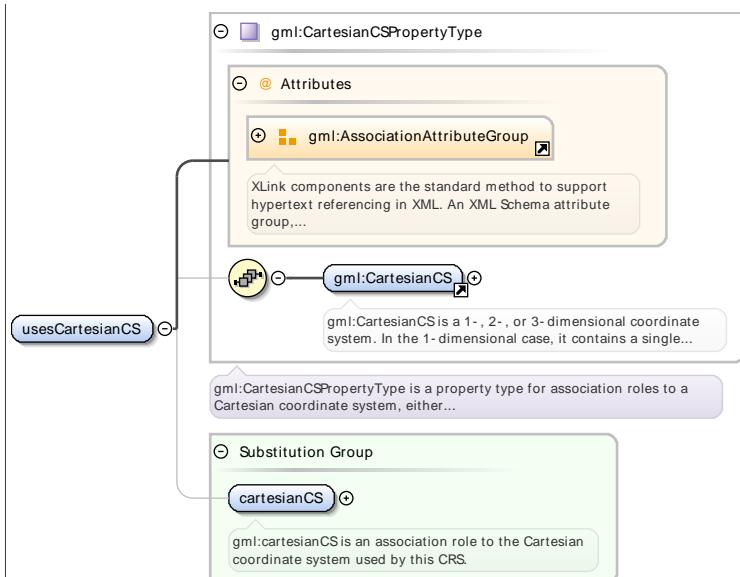
Element gml:compoundCRSRef

Namespace	http://www.opengis.net/gml/3.2			
Diagram	<p>The diagram illustrates the structure of the gml:compoundCRSRef element. It is a complex type (gml:CompoundCRSPROPERTYTYPE) containing an attribute group (gml:AssociationAttributeGroup) which includes xlink:href and xlink:type attributes. The gml:CompoundCRS element is also shown, which describes a coordinate reference system for points.</p>			
Type	gml:CompoundCRSPROPERTYTYPE			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:usesCartesianCS

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

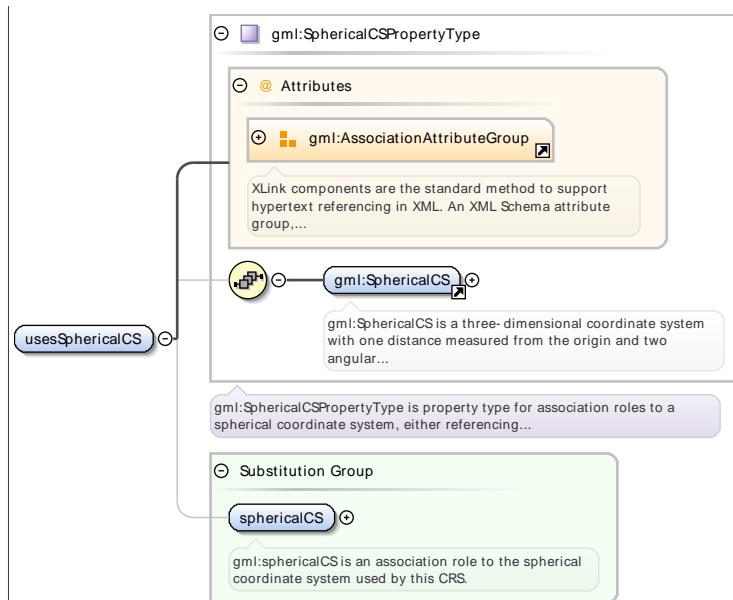


Type	<code>gml:CartesianCSPropertyType</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:cartesianCS</code> 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:usesSphericalCS`

Namespace	<code>http://www.opengis.net/gml/3.2</code>
-----------	---------------------------------------------

Diagram

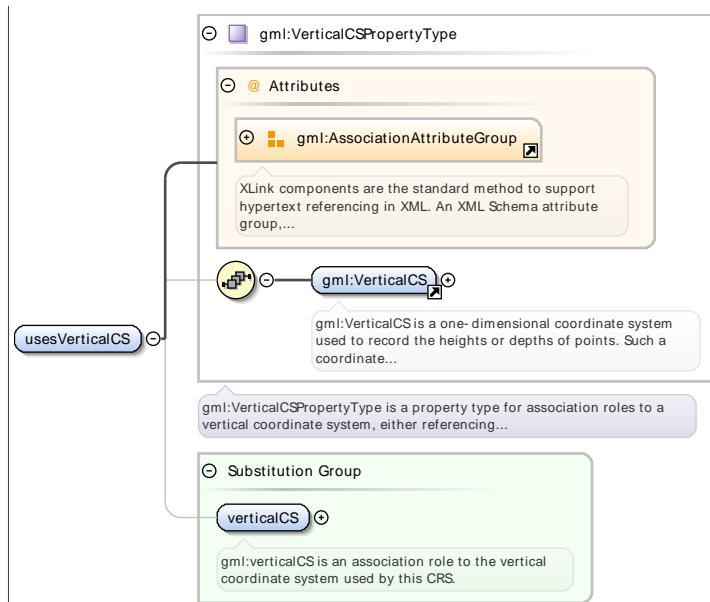


Type	<code>gml:SphericalCSPropertyType</code>				
Properties	content: complex				
Substitution Group Affiliation	• <code>gml:sphericalCS</code>				
Attributes					
QName	Type	Fixed	Use		
<code>gml:remoteSchema</code>	anyURI		optional		
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional		
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional		
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional		
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional		
<code>xlink:role</code>	<code>xlink:roleType</code>		optional		
<code>xlink:show</code>	<code>xlink:showType</code>		optional		
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional		
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional		

Element `gml:usesVerticalCS`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

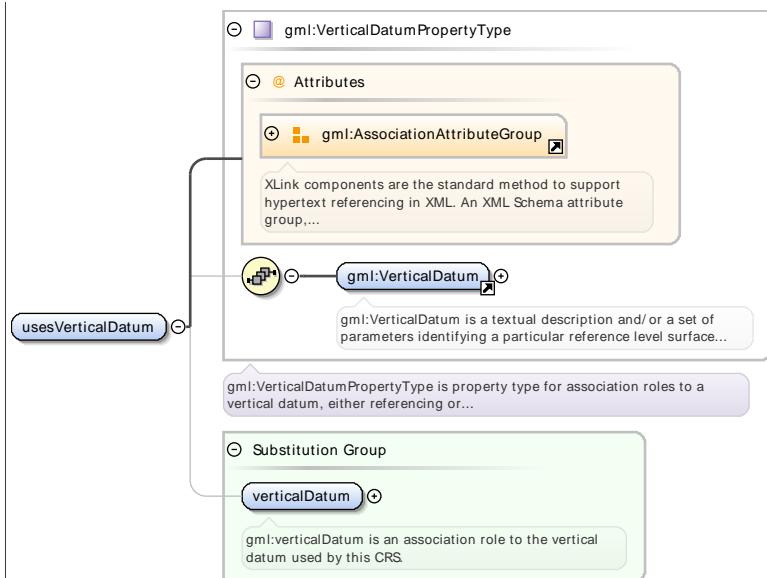


Type	<code>gml:VerticalCSPROPERTYTYPE</code>																																								
Properties	content: complex																																								
Substitution Group Affiliation	• <code>gml:verticalCS</code>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td><code>anyURI</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	<code>anyURI</code>		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Element `gml:usesVerticalDatum`

Namespace	<code>http://www.opengis.net/gml/3.2</code>
-----------	---------------------------------------------

Diagram



Type

`gml:VerticalDatumPropertyType`

Properties

content: complex

Substitution Group
Affiliation

- `gml:verticalDatum`

Attributes

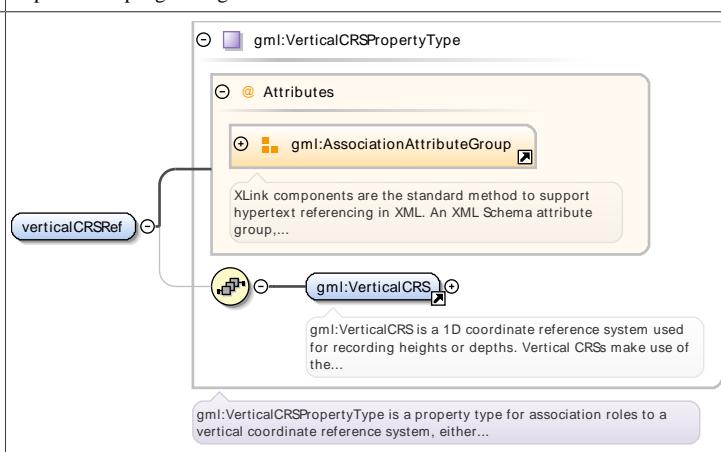
QName	Type	Fixed	Use
<code>gml:remoteSchema</code>	anyURI		optional
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional
<code>xlink:role</code>	<code>xlink:roleType</code>		optional
<code>xlink:show</code>	<code>xlink:showType</code>		optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional

Element `gml:verticalCRSRef`

Namespace

`http://www.opengis.net/gml/3.2`

Diagram



Type

`gml:VerticalCRSPROPERTYType`

Properties

content: complex

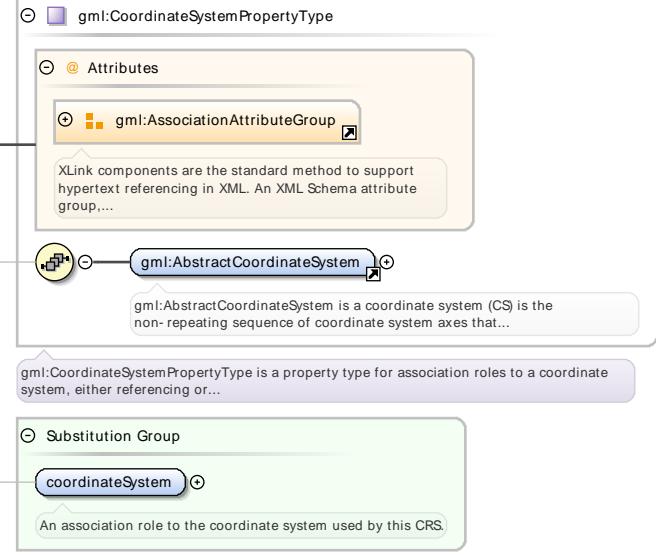
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:projectedCRSRef**

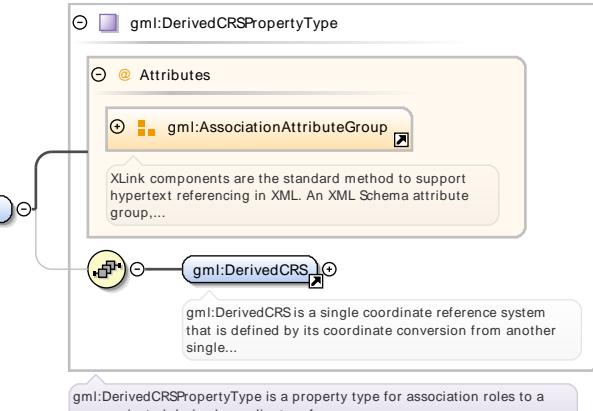
Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:ProjectedCRSPropertyType. It is a property type for association roles to a projected coordinate reference system. The type includes an Attributes group and an gml:AssociationAttributeGroup. The gml:ProjectedCRS element is associated with the gml:ProjectedCRSRef element. A tooltip for gml:ProjectedCRS states: "gml:ProjectedCRS is a 2D coordinate reference system used to approximate the shape of the earth on a planar surface,...". A tooltip for gml:ProjectedCRSPropertyType states: "gml:ProjectedCRSPropertyType is a property type for association roles to a projected coordinate reference system,...".</p>																																								
Type	gml:ProjectedCRSPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:usesCS**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	 <p>The diagram illustrates the structure of the <code>gml:CoordinateSystemPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: An <code>gml:AssociationAttributeGroup</code> is shown, with a note explaining XLink components support hypertext referencing. Elements: <ul style="list-style-type: none"> <code>gml:AbstractCoordinateSystem</code>: A repeating sequence of coordinate system axes. <code>gml:CoordinateSystemPropertyType</code>: A property type for association roles to a coordinate system. Substitution Group: <code>gml:CoordinateSystem</code> is listed as a substitution for the property type. Associations: A role named <code>usesCS</code> is associated with <code>gml:CoordinateSystemPropertyType</code>. 																																																		
Type	<code>gml:CoordinateSystemPropertyType</code>																																																		
Properties	content: complex																																																		
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:coordinateSystem</code> 																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td>optional</td><td></td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		<code>gml:remoteSchema</code>	anyURI		optional		<code>nilReason</code>	<code>gml:NilReasonType</code>		optional		<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional		<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional		<code>xlink:href</code>	<code>xlink:hrefType</code>		optional		<code>xlink:role</code>	<code>xlink:roleType</code>		optional		<code>xlink:show</code>	<code>xlink:showType</code>		optional		<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional		<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	
QName	Type	Fixed	Use																																																
<code>gml:remoteSchema</code>	anyURI		optional																																																
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																																
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																																
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																																
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																																
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																																
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																																
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																																
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																																

Element `gml:derivedCRSRef`

Namespace	http://www.opengis.net/gml/3.2										
Diagram	 <p>The diagram illustrates the structure of the <code>gml:DerivedCRSPROPERTYTYPE</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: An <code>gml:AssociationAttributeGroup</code> is shown, with a note explaining XLink components support hypertext referencing. Elements: <ul style="list-style-type: none"> <code>gml:DerivedCRS</code>: A single coordinate reference system defined by conversion from another. <code>gml:DerivedCRSPROPERTYTYPE</code>: A property type for association roles to a non-projected derived coordinate reference. Associations: A role named <code>derivedCRSRef</code> is associated with <code>gml:DerivedCRSPROPERTYTYPE</code>. 										
Type	<code>gml:DerivedCRSPROPERTYTYPE</code>										
Properties	content: complex										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		<code>gml:remoteSchema</code>	anyURI		optional	
QName	Type	Fixed	Use								
<code>gml:remoteSchema</code>	anyURI		optional								

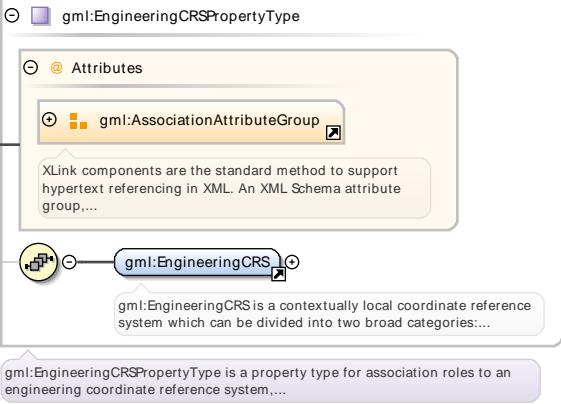
QName	Type	Fixed	Use
nilReason	gml:NilReasonType		optional
xlink:actuate	xlink:actuateType		optional
xlink:arcrole	xlink:arcroleType		optional
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Element **gml:usesEngineeringDatum**

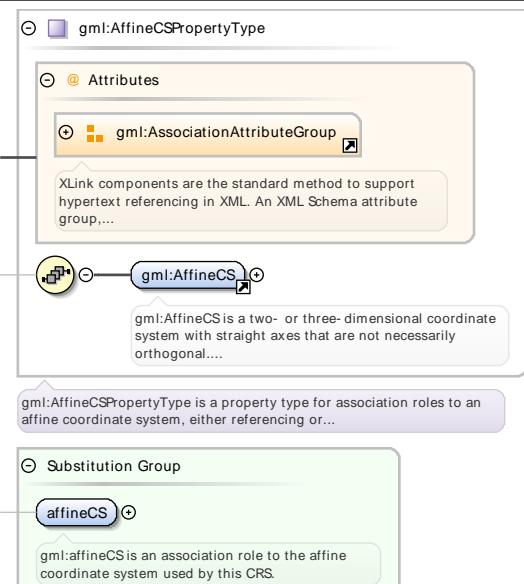
Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:EngineeringDatumPropertyType. It shows an Attributes section containing an AssociationAttributeGroup (highlighted in orange). This group is described as supporting hypertext referencing in XML. Below it is the gml:EngineeringDatum element, which is described as defining the origin of an engineering coordinate reference system. A Substitution Group is also shown, containing the engineeringDatum element, which is described as an association role to the engineering datum used by this CRS.</p>																																								
Type	gml:EngineeringDatumPropertyType																																								
Properties	content: complex																																								
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:engineeringDatum 																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:engineeringCRSRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																																																			
Type	gml:EngineeringCRSPROPERTYTYPE																																																		
Properties	content: complex																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		gml:remoteSchema	anyURI		optional		nilReason	gml:NilReasonType		optional		xlink:actuate	xlink:actuateType		optional		xlink:arcrole	xlink:arcroleType		optional		xlink:href	xlink:hrefType		optional		xlink:role	xlink:roleType		optional		xlink:show	xlink:showType		optional		xlink:title	xlink:titleAttrType		optional		xlink:type	xlink:typeType	simple	optional	
QName	Type	Fixed	Use																																																
gml:remoteSchema	anyURI		optional																																																
nilReason	gml:NilReasonType		optional																																																
xlink:actuate	xlink:actuateType		optional																																																
xlink:arcrole	xlink:arcroleType		optional																																																
xlink:href	xlink:hrefType		optional																																																
xlink:role	xlink:roleType		optional																																																
xlink:show	xlink:showType		optional																																																
xlink:title	xlink:titleAttrType		optional																																																
xlink:type	xlink:typeType	simple	optional																																																

Element gml:usesAffineCS

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:AffineCSPROPERTYTYPE
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • gml:affineCS

Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:usesImageDatum**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:ImageDatumPropertyType. It shows the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled Attributes contains the gml:AssociationAttributeGroup. Associations: A box labeled usesImageDatum shows an association to gml:ImageDatum. Substitution Group: A box labeled imageDatum is part of a substitution group. Annotations: Various annotations provide descriptions of the components, such as the purpose of the gml:ImageDatum element and the nature of the gml:ImageDatumPropertyType. 																																								
Type	gml:ImageDatumPropertyType																																								
Properties	content: complex																																								
Substitution Group Affiliation	• gml:imageDatum																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:imageCRSRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>The diagram shows the structure of the <code>gml:ImageCRSPROPERTYTYPE</code> element. It is a complex type with attributes. One attribute, <code>gml:AssociationAttributeGroup</code>, is highlighted with a yellow box and a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,..." Another attribute, <code>gml:ImageCRS</code>, is also highlighted with a yellow box and a note: "gml:ImageCRS is an engineering coordinate reference system applied to locations in images. Image coordinate reference..." A third attribute, <code>imageCRSRef</code>, is shown with a blue box.</p>																																																		
Type	<code>gml:ImageCRSPROPERTYTYPE</code>																																																		
Properties	content: complex																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td>optional</td><td></td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		<code>gml:remoteSchema</code>	anyURI		optional		<code>nilReason</code>	<code>gml:NilReasonType</code>		optional		<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional		<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional		<code>xlink:href</code>	<code>xlink:hrefType</code>		optional		<code>xlink:role</code>	<code>xlink:roleType</code>		optional		<code>xlink:show</code>	<code>xlink:showType</code>		optional		<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional		<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	
QName	Type	Fixed	Use																																																
<code>gml:remoteSchema</code>	anyURI		optional																																																
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																																
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																																
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																																
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																																
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																																
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																																
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																																
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																																

Element `gml:usesTimeCS`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram shows the structure of the <code>gml:TIMECSPROPERTYTYPE</code> element. It is a complex type with attributes. One attribute, <code>gml:AssociationAttributeGroup</code>, is highlighted with a yellow box and a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,..." Another attribute, <code>gml:TimeCS</code>, is also highlighted with a yellow box and a note: "gml:TimeCS is a one-dimensional coordinate system containing a time axis, used to describe the temporal position of a..." A third attribute, <code>usesTimeCS</code>, is shown with a blue box. Below the attributes, there is a <code>Substitution Group</code> section with a green box containing the <code>timeCS</code> element.</p>
Type	<code>gml:TIMECSPROPERTYTYPE</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:timeCS</code>

Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element **gml:usesTemporalDatum**

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>The diagram illustrates the structure of the gml:TemporalDatumPropertyType. It shows the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled gml:AssociationAttributeGroup with a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". Associations: A box labeled gml:TemporalDatum with a note: "A gml:TemporalDatum defines the origin of a Temporal Reference System. This type omits the 'anchorDefinition' and...". Substitution Group: A box labeled temporalDatum with a note: "gml:temporalDatum is an association role to the temporal datum used by this CRS". 																																								
Type	gml:TemporalDatumPropertyType																																								
Properties	content: complex																																								
Substitution Group Affiliation	• gml:temporalDatum																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element **gml:temporalCRSRef**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram																																									
Type	gml:TemporalCRSPROPERTYTYPE																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

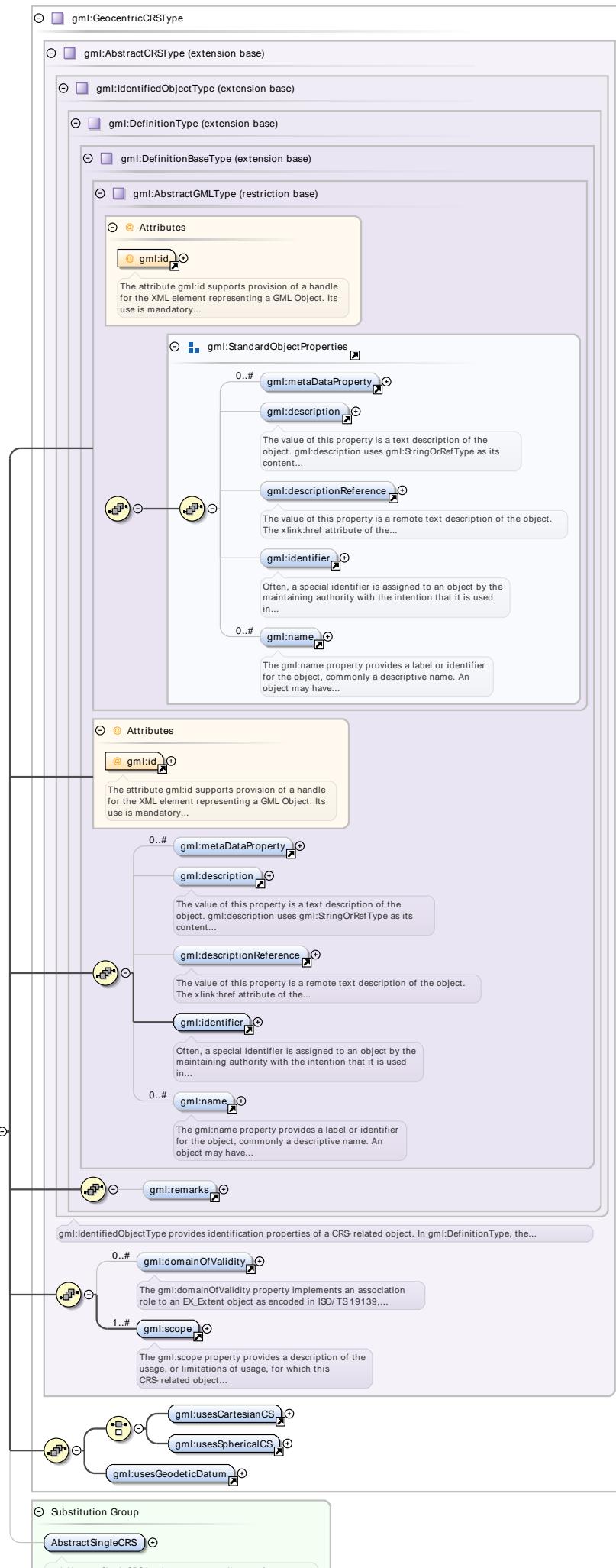
Element gml:geographicCRSRef

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram																																									
Type	gml:GeographicCRSPROPERTYTYPE																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element `gml:GeocentricCRS`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	gml:GeocentricCRSType		
Properties	content: complex		
Substitution Group Affiliation	• gml:AbstractSingleCRS		
Attributes	QName	Type	Use
	gml:id	ID	required
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Element gml:geocentricCRSRef

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:GeocentricCRSPropertyType		
Properties	content: complex		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Element gml:dmsAngle

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	gml:DMSAngleType		
Properties	content: complex		

Element gml:member

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram	<p>The diagram shows the structure of the <code>gml:AssociationRoleType</code> element. It contains two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. The <code>gml:AssociationAttributeGroup</code> is described with the note: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..." and "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A <code>member</code> association points to this group. A <code>any</code> association is shown at the bottom.</p>																																																							
Type	<code>gml:AssociationRoleType</code>																																																							
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><code>gml:remoteSchema</code></td><td><code>anyURI</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td><code>boolean</code></td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	<code>anyURI</code>			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	<code>boolean</code>		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	<code>anyURI</code>			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	<code>boolean</code>		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

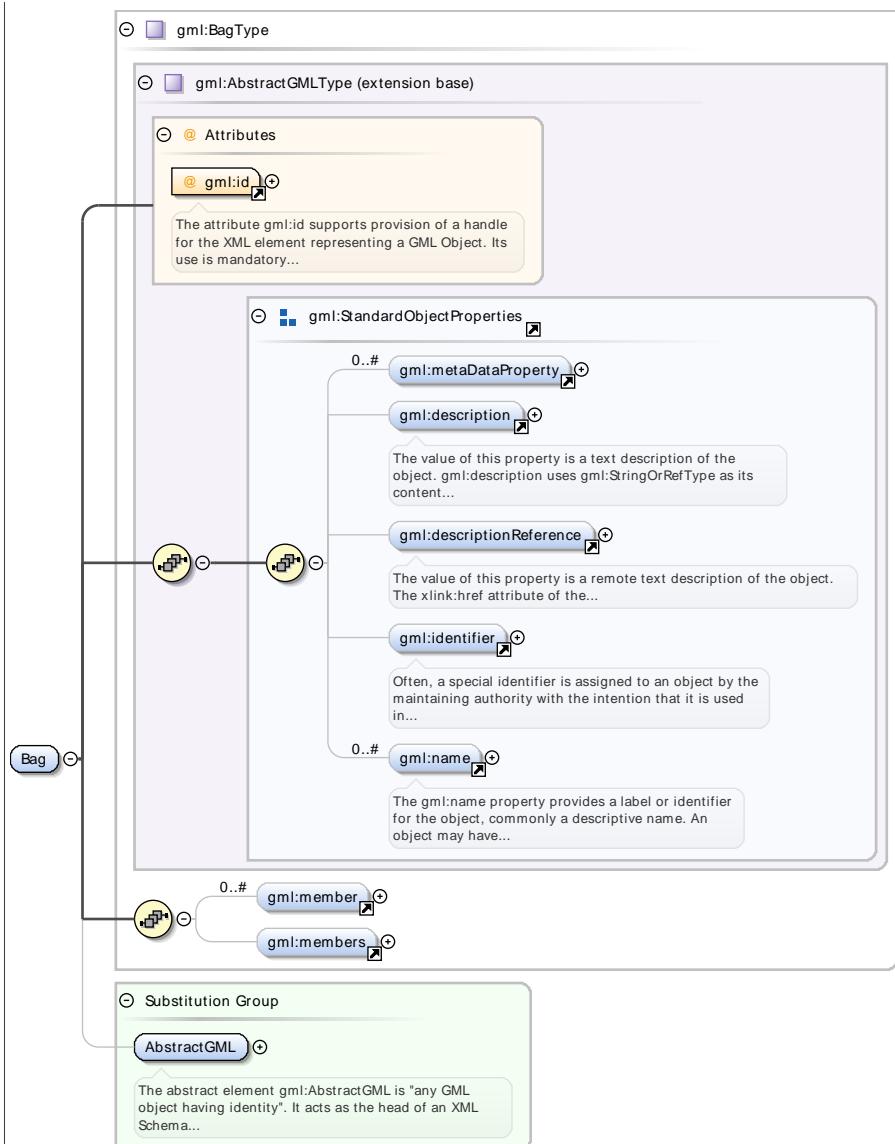
Element `gml:members`

Namespace	<code>http://www.opengis.net/gml/3.2</code>								
Diagram	<p>The diagram shows the structure of the <code>gml:ArrayAssociationType</code> element. It contains an attribute group <code>gml:OwnershipAttributeGroup</code> with the note: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...". A <code>members</code> association points to this group. A <code>gml:AbstractObject</code> association is shown with multiplicity <code>0..#</code>.</p>								
Type	<code>gml:ArrayAssociationType</code>								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>owns</code></td><td><code>boolean</code></td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	<code>boolean</code>	false	optional
QName	Type	Default	Use						
<code>owns</code>	<code>boolean</code>	false	optional						

Element `gml:Bag`

Namespace	<code>http://www.opengis.net/gml/3.2</code>
-----------	---------------------------------------------

Diagram

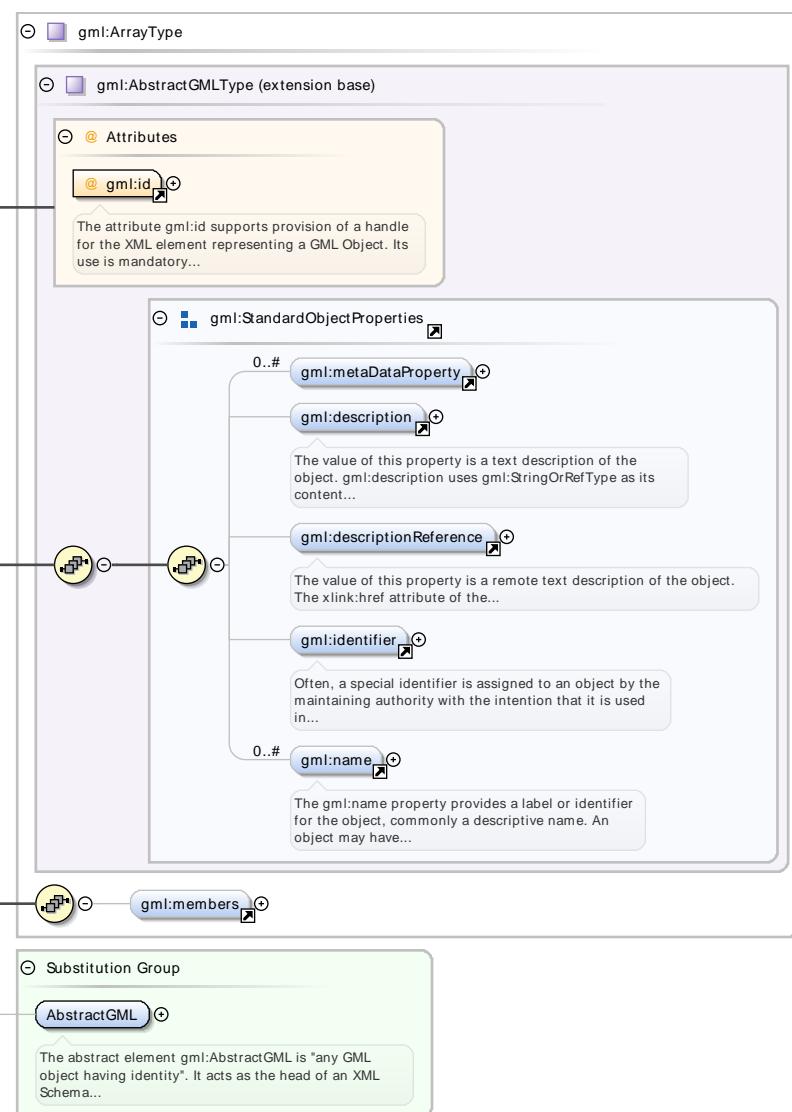


Type	<code>gml:BagType</code>									
Properties	content: complex									
Substitution Group	• <code>gml:AbstractGML</code>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<code>gml:id</code>	ID	required								
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Element `gml:Array`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

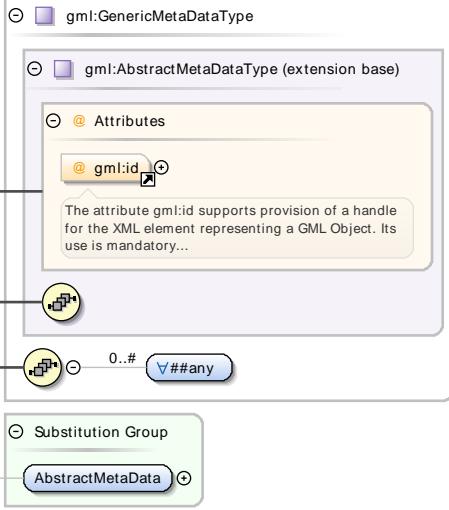
Diagram



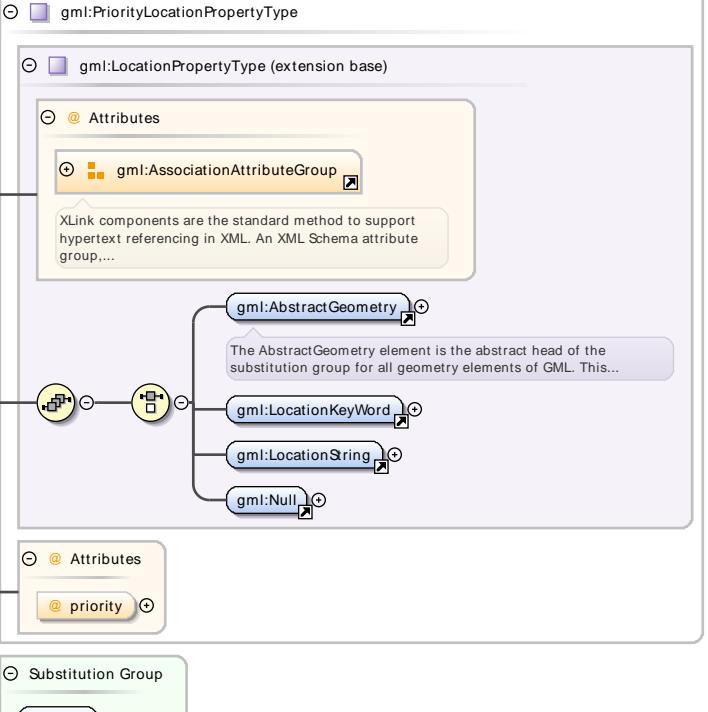
Type	<code>gml:ArrayType</code>									
Properties	content: complex									
Substitution Group	• <code>gml:AbstractGML</code>									
Affiliation										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<code>gml:id</code>	ID	required								
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Element `gml:GenericMetaData`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

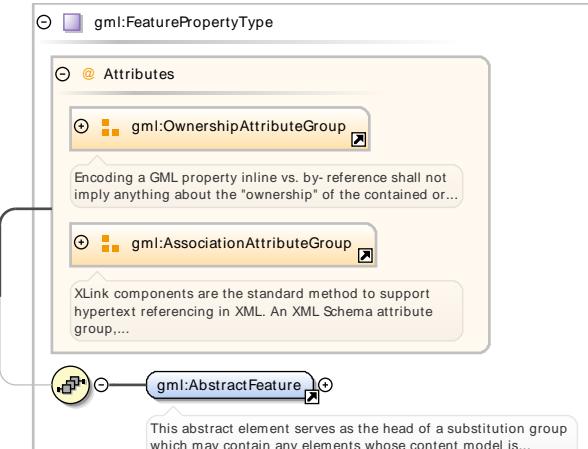
Diagram													
Type	gml:GenericMetaDataType												
Properties	<p>content: complex</p> <p>mixed: true</p>												
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:AbstractMetaData 												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>@gml:id</td><td>ID</td><td>optional</td><td></td></tr> <tr> <td></td><td></td><td></td><td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use		@gml:id	ID	optional					The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use											
@gml:id	ID	optional											
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.										

Element gml:priorityLocation

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:PriorityLocationPropertyType

Properties	content: complex			
Substitution Group Affiliation	• gml:location			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	priority	string		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

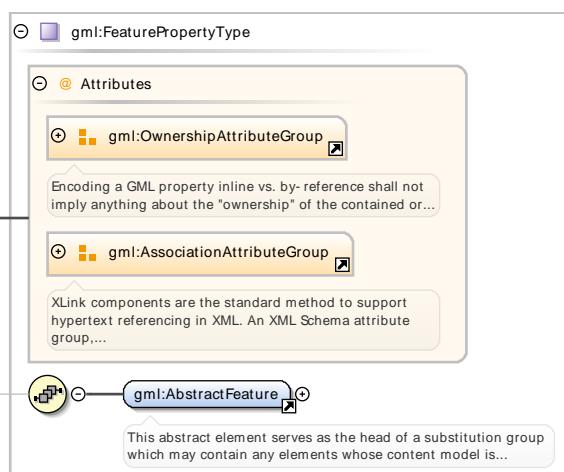
Element gml:featureMember

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <pre> classDiagram class gml:FeaturePropertyType { <<gml:OwnershipAttributeGroup>> <<gml:AssociationAttributeGroup>> } class gml:AbstractFeature gml:featureMember "3" --> gml:AbstractFeature </pre>				
Type	gml:FeaturePropertyType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:featureProperty

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram



Type	gml:FeaturePropertyType
------	-------------------------

Properties	content: complex
------------	------------------

Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

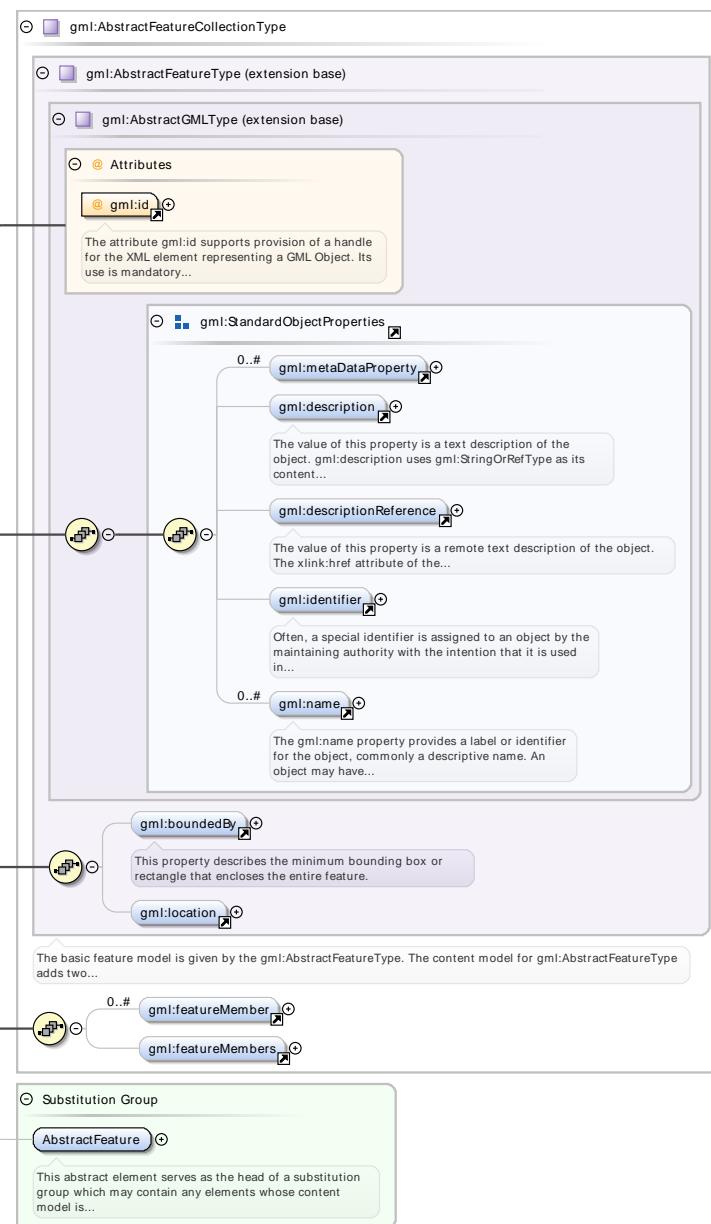
Element gml:featureMembers

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram shows the gml:FeatureArrayPropertyType class with the following structure:</p> <ul style="list-style-type: none"> Relationships (represented by lines): <ul style="list-style-type: none"> featureMembers (a line with a circle and a minus sign) connects to the class. gml:AbstractFeature (a line with a circle and a plus sign) connects to the class. Notes (represented by a box with a yellow border): <ul style="list-style-type: none"> "This abstract element serves as the head of a substitution group which may contain any elements whose content model is..."
Type	gml:FeatureArrayPropertyType
Properties	content: complex

Element gml:AbstractFeatureCollection

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

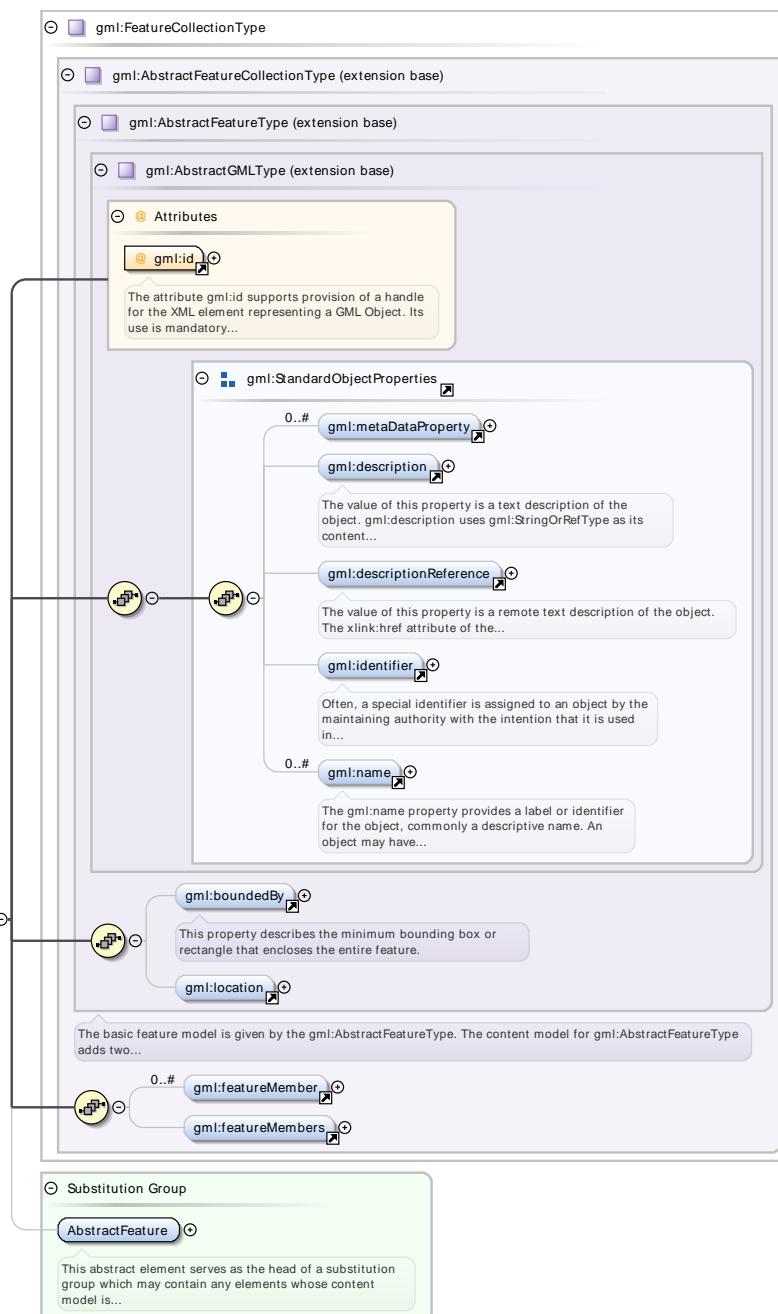


Type	<code>gml:AbstractFeatureCollectionType</code>		
Properties	content:	complex	
Properties	abstract:	true	
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractFeature</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

Element `gml:FeatureCollection`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

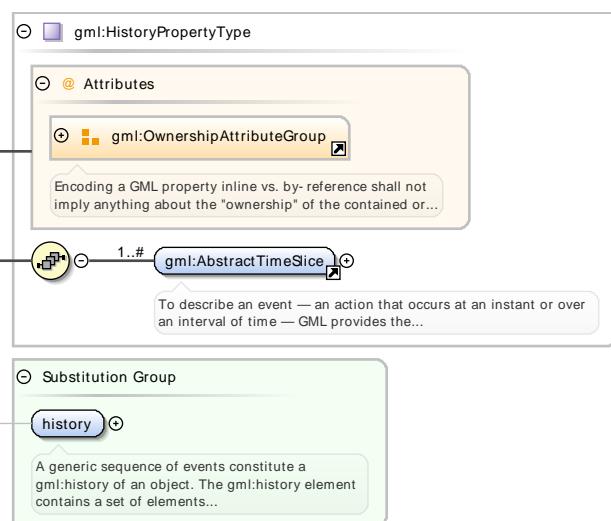


Type	<code>gml:FeatureCollectionType</code>		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractFeature</code> 		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Element `gml:track`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

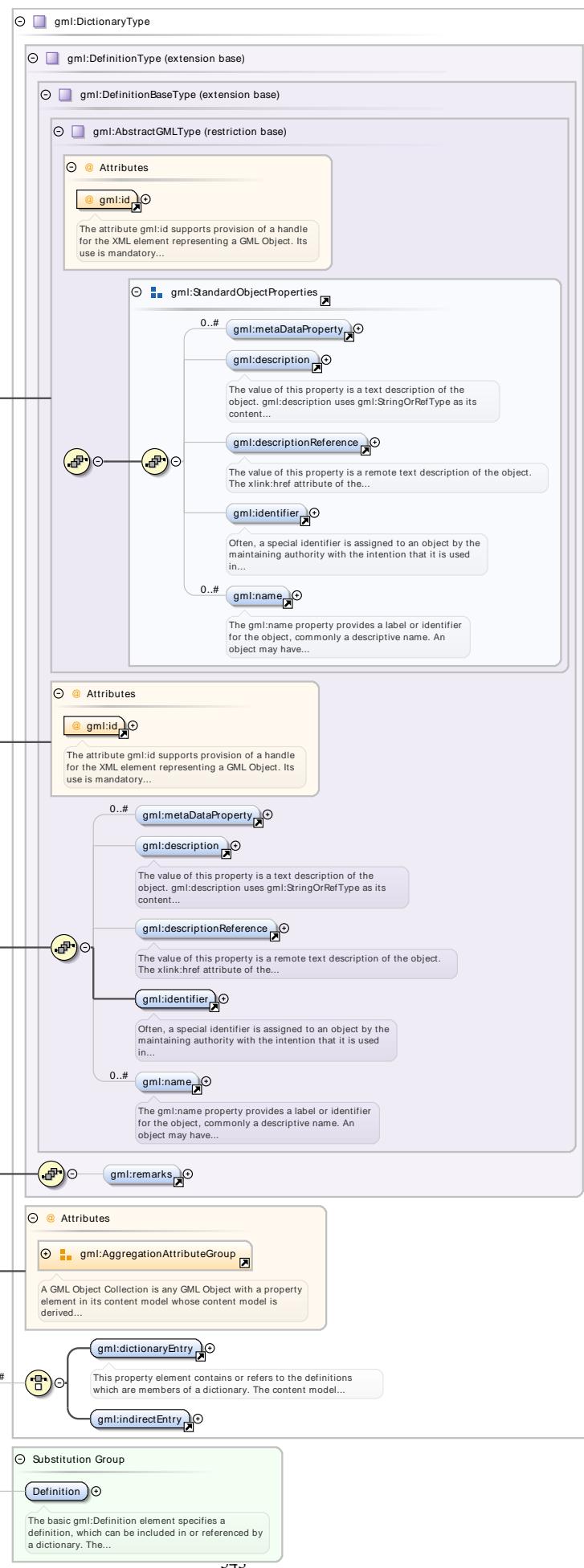


Type	<code>gml:HistoryPropertyType</code>			
Properties	content: complex			
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:history</code> 			
Attributes	QName	Type	Default	Use
	<code>owns</code>	boolean	false	optional

Element `gml:DefinitionCollection`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	gml:DictionaryType		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:Definition 		
Attributes	QName aggregationType gml:id	Type gml:AggregationType ID	Use optional required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element gml:definitionMember

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the inheritance structure and associations for the gml:definitionMember element. It shows gml:definitionMember inheriting from gml:AbstractMemberType (extension base) and gml:DictionaryEntryType. The gml:AbstractMemberType class has two attribute groups: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. The gml:DictionaryEntryType class has a substitution group containing gml:DictionaryEntry. Associations are shown between gml:definitionMember and gml:Definition, and between gml:definitionMember and gml:DictionaryEntry.</p>		
Type	gml:DictionaryEntryType		
Properties	content: complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> gml:dictionaryEntry 		
Attributes	QName gml:remoteSchema nilReason owns xlink:actuate xlink:arcrole xlink:href	Type anyURI gml:NilReasonType boolean xlink:actuateType xlink:arcroleType xlink:hrefType	Fixed Default Use optional optional optional optional optional optional optional

QName	Type	Fixed	Default	Use
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

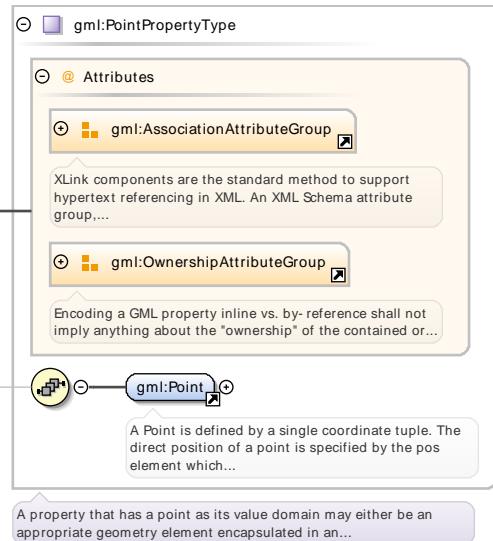
Element **gml:centerOf**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram																																																								
Type	gml:PointPropertyType																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:position**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:PointPropertyType

Properties

content: complex

Attributes

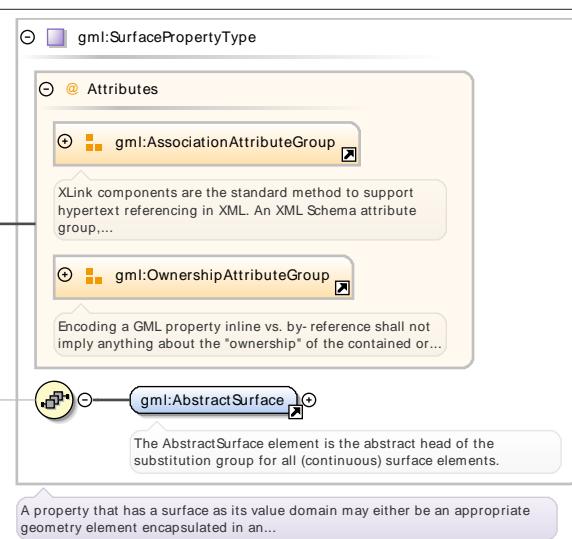
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:extentOf`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:SurfacePropertyType

Properties

content: complex

Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element **gml:edgeOf**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:CurvePropertyType element. It contains three attribute groups: gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, and a reference to the gml:AbstractCurve element. A callout points to the edgeOf attribute, which is associated with the gml:AssociationAttributeGroup. A note explains that XLink components are used for hypertext referencing in XML, and that the edgeOf attribute is part of the gml:AssociationAttributeGroup.</p>																																																							
Type	gml:CurvePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:centerLineOf**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>gml:CurvePropertyType</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup gml:OwnershipAttributeGroup <p>centerLineOf</p> <p>gml:AbstractCurve</p>																																																							
Type	gml:CurvePropertyType																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:multiLocation

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>gml:MultiPointPropertyType</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup gml:OwnershipAttributeGroup <p>multiLocation</p> <p>gml:MultiPoint</p>
Type	gml:MultiPointPropertyType
Properties	content: complex

Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:multiCenterOf**

Namespace	http://www.opengis.net/gml/3.2																																																																		
Diagram	<p>The diagram illustrates the structure of the gml:MultiPointPropertyType. It shows the following components and their relationships:</p> <ul style="list-style-type: none"> gml:MultiPointPropertyType (represented by a purple square icon) is the main type. multiCenterOf (represented by a blue rounded rectangle icon) is an attribute of gml:MultiPointPropertyType. gml:AssociationAttributeGroup (represented by an orange rounded rectangle icon) and gml:OwnershipAttributeGroup (represented by an orange rounded rectangle icon) are both associated with gml:MultiPointPropertyType. gml:MultiPoint (represented by a blue square icon with a grid pattern) is associated with gml:MultiPointPropertyType. A note below the diagram states: "A property that has a collection of points as its value domain may either be an appropriate geometry element..." 																																																																		
Type	gml:MultiPointPropertyType																																																																		
Properties	content: complex																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															

Element **gml:multiPosition**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>Diagram illustrating the structure of gml:MultiPointPropertyType. It shows associations with gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, and a reference to gml:MultiPoint.</p>																																																							
Type	gml:MultiPointPropertyType																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element gml:multiCenterLineOf

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>Diagram illustrating the structure of gml:MultiCurvePropertyType. It shows associations with gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, and a reference to gml:MultiCurve.</p>
Type	gml:MultiCurvePropertyType
Properties	content: complex

Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

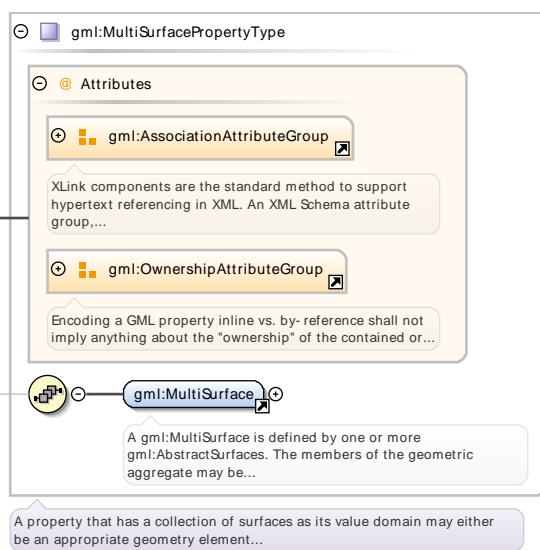
Element **gml:multiEdgeOf**

Namespace	http://www.opengis.net/gml/3.2																																																																		
Diagram	<p>The diagram illustrates the structure of the gml:MultiCurvePropertyType. It shows associations with gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, both of which have notes explaining their purpose. It also shows an association with gml:MultiCurve, which has a note explaining its definition. A callout points to the multiEdgeOf attribute, which is associated with the gml:MultiCurve element.</p>																																																																		
Type	gml:MultiCurvePropertyType																																																																		
Properties	content: complex																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> <td></td></tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> <td></td></tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> <td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															

Element **gml:multiCoverage**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:MultiSurfacePropertyType

Properties

content: complex

Attributes

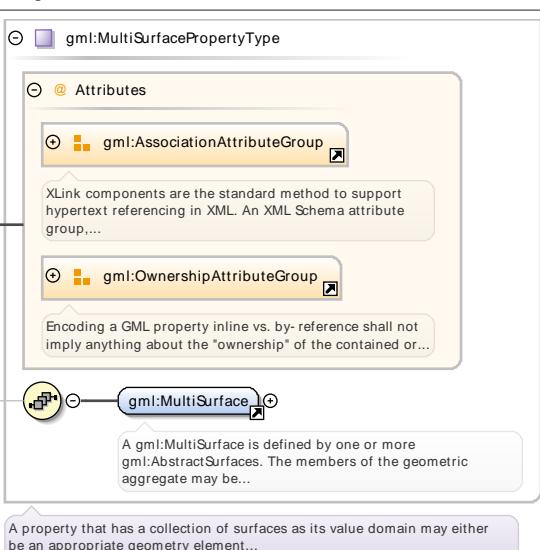
QName	Type	Fixed	Default	Use
gml:remoteSchema	anyURI			optional
nilReason	gml:NilReasonType			optional
owns	boolean		false	optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element `gml:multiExtentOf`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:MultiSurfacePropertyType

Properties

content: complex

Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Element **gml:polygonPatches**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:SurfacePatchArrayPropertyType
Properties	content: complex
Substitution Group Affiliation	• gml:patches

Element **gml:trianglePatches**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:SurfacePatchArrayPropertyType
Properties	content: complex
Substitution Group Affiliation	• gml:patches

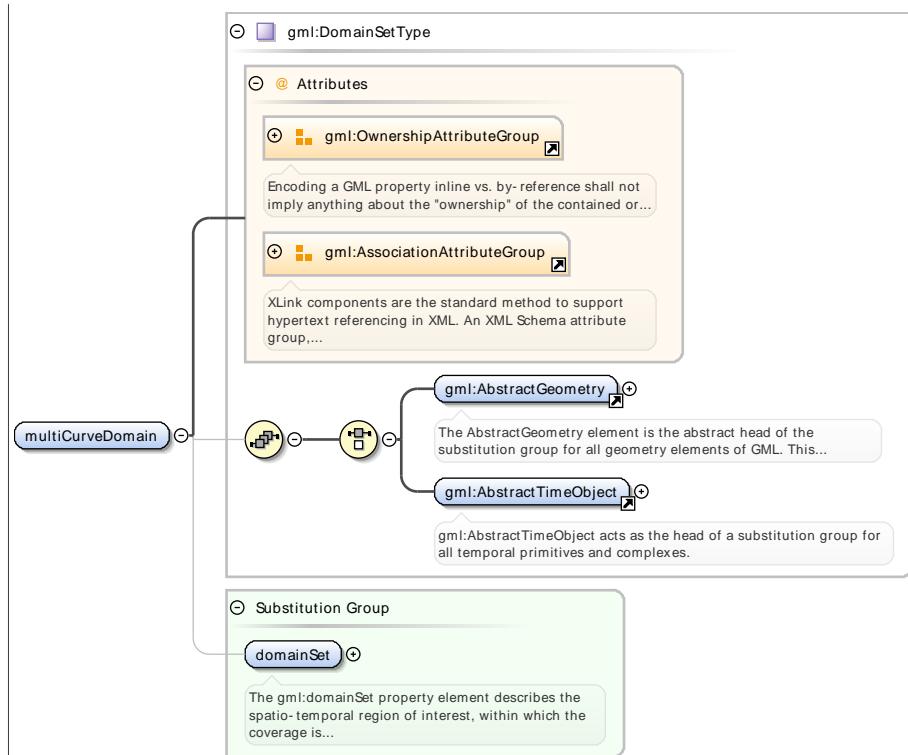
Element `gml:multiPointDomain`

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the <code>gml:DomainSetType</code> element. It contains attributes for ownership and associations, and a substitution group for <code>gml:AbstractGeometry</code>. The <code>gml:AbstractGeometry</code> element is the abstract head of the substitution group for all geometry elements of GML. It also includes a <code>gml:AbstractTimeObject</code> element. A <code>domainSet</code> property is shown as part of the substitution group.</p>																																																							
Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</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:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:multiCurveDomain`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

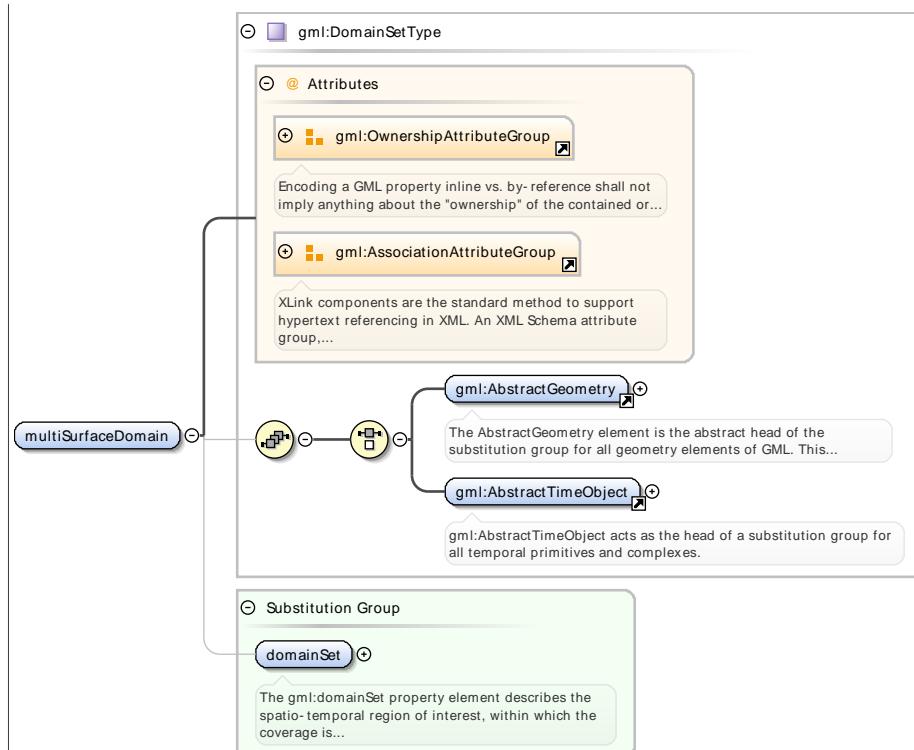


Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</code> 																																																							
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:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:multiSurfaceDomain`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

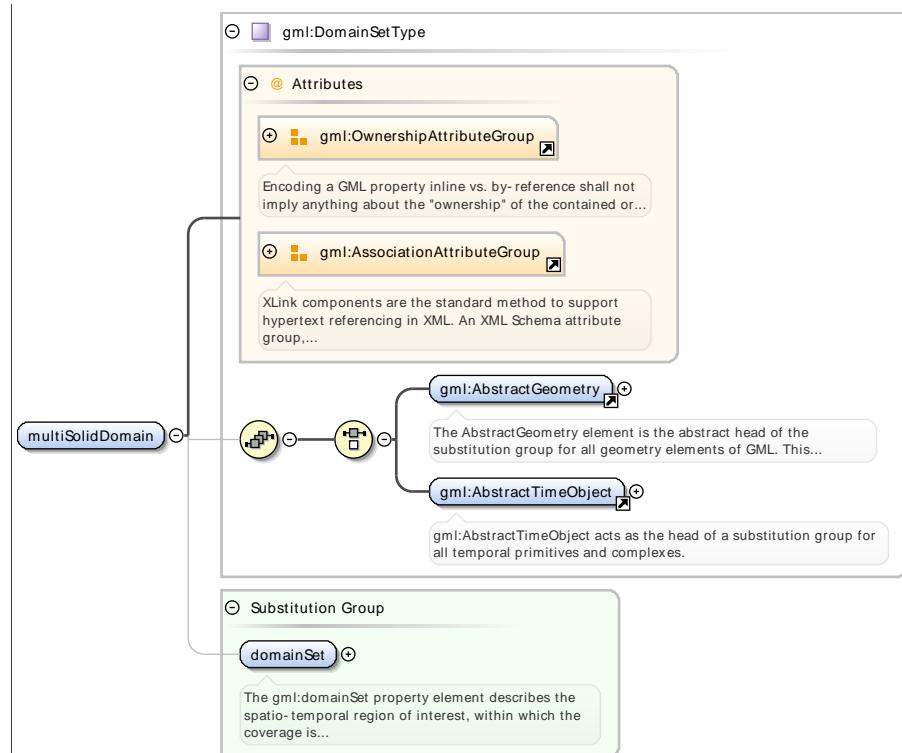


Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</code> 																																																							
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:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:multiSolidDomain`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

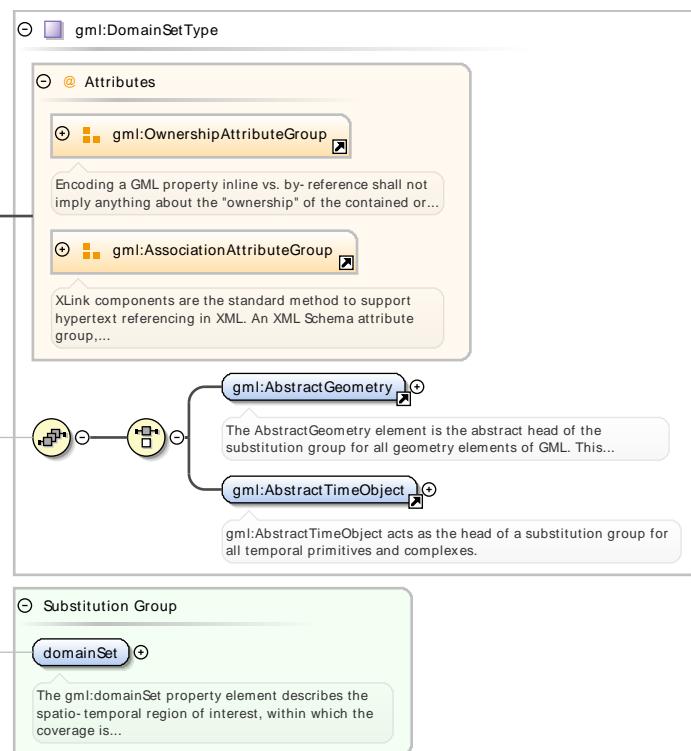


Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</code> 																																																							
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:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:gridDomain`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

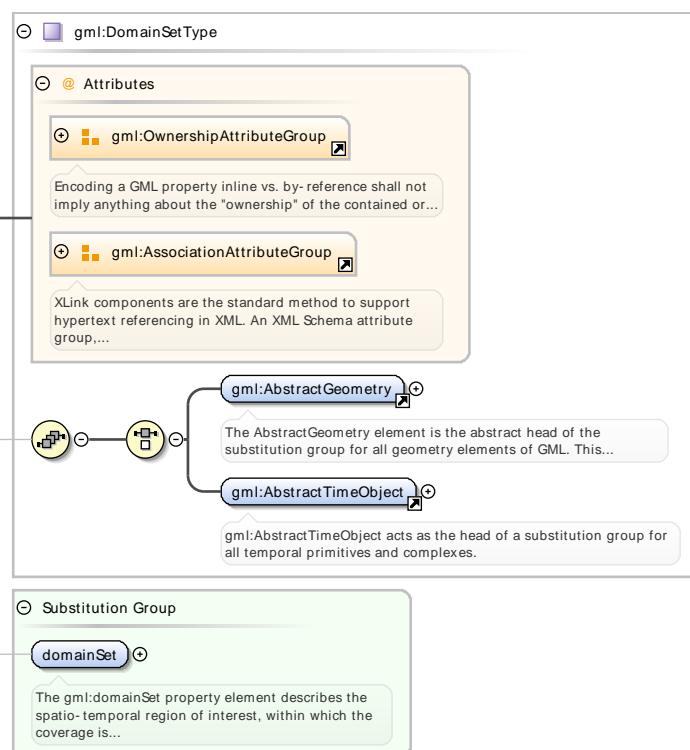


Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</code> 																																																							
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:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:rectifiedGridDomain`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

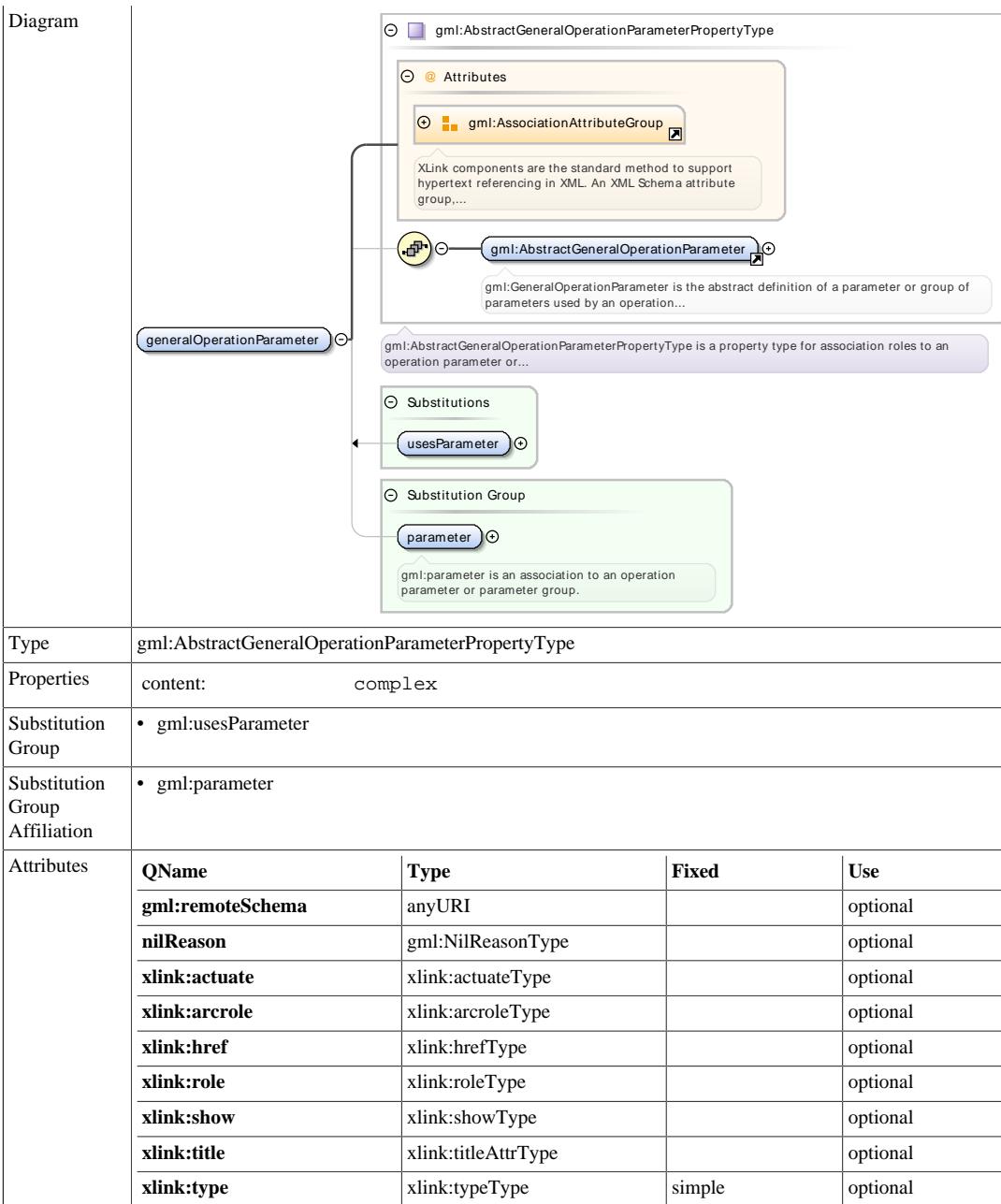


Type	<code>gml:DomainSetType</code>																																																							
Properties	content: complex																																																							
Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:domainSet</code> 																																																							
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:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:type</code></td><td><code>xlink:typeType</code></td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																				
<code>owns</code>	boolean		false	optional																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																				

Element `gml:generalOperationParameter`

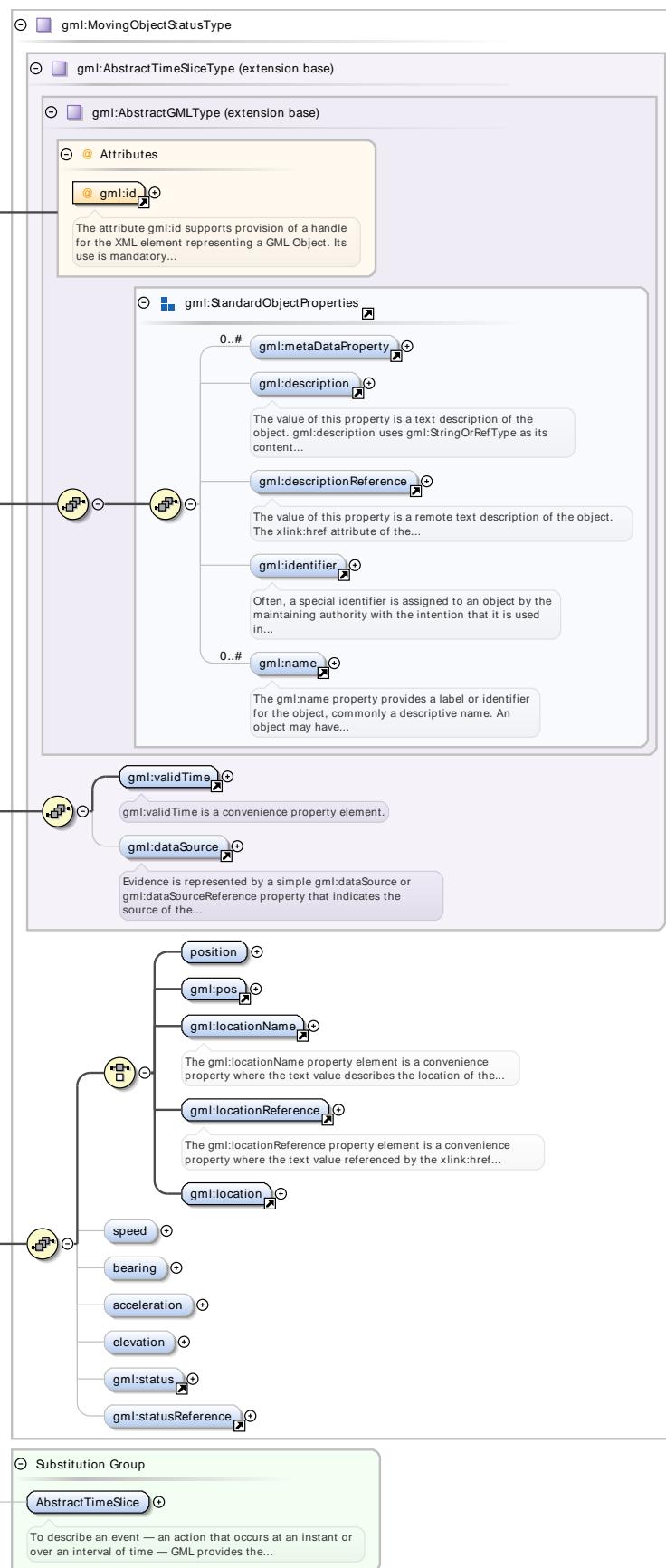
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

**Element gml:MovingObjectStatus**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	gml:MovingObjectStatusType
------	----------------------------

Properties	content: complex
------------	------------------

Substitution Group Affiliation	<ul style="list-style-type: none"> • <code>gml:AbstractTimeSlice</code> 					
Attributes	QName	Type	Use			
	<code>gml:id</code>	ID	required	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

Element `gml:MovingObjectStatusType` / `gml:position`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:GeometryPropertyType</code> element. It is an abstract class (indicated by a hollow square icon) that inherits from <code>gml:AbstractGeometry</code> (indicated by a hollow square icon with a cross). It has two associations: one with <code>gml:AssociationAttributeGroup</code> (indicated by a hollow square icon with a plus sign) and another with <code>gml:OwnershipAttributeGroup</code> (indicated by a hollow square icon with a plus sign). Callouts provide additional context: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...' and 'Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...'. A note at the bottom states: 'A geometric property may either be any geometry element encapsulated in an element of this type or an XLink reference...'.</p>				
Type	<code>gml:GeometryPropertyType</code>				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:MovingObjectStatusType` / `gml:speed`

Namespace	http://www.opengis.net/gml/3.2				
-----------	-----------------------------------------------------------------------------	--	--	--	--

Diagram	<p>Diagram illustrating the structure of the gml:MeasureType element. It shows a 'double' primitive type and an '@ uom' attribute. A note states: 'gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...'.</p>						
Type	gml:MeasureType						
Properties	<p>content: complex</p> <p>minOccurs: 0</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

Element gml:MovingObjectStatusType / gml:bearing

Namespace	http://www.opengis.net/gml/3.2																																																											
Diagram	<p>Diagram illustrating the structure of the gml:DirectionPropertyType element. It shows an '@ uom' attribute and a 'bearing' element. The 'bearing' element contains a 'DirectionVector' and a 'DirectionString' element. A note states: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...'.</p>																																																											
Type	gml:DirectionPropertyType																																																											
Properties	<p>content: complex</p> <p>minOccurs: 0</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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional				
QName	Type	Fixed	Default	Use																																																								
gml:remoteSchema	anyURI			optional																																																								
nilReason	gml:NilReasonType			optional																																																								
owns	boolean		false	optional																																																								
xlink:actuate	xlink:actuateType			optional																																																								
xlink:arcrole	xlink:arcroleType			optional																																																								
xlink:href	xlink:hrefType			optional																																																								
xlink:role	xlink:roleType			optional																																																								
xlink:show	xlink:showType			optional																																																								
xlink:title	xlink:titleAttrType			optional																																																								
xlink:type	xlink:typeType	simple		optional																																																								

Element `gml:MovingObjectStatusType` / `gml:acceleration`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<p>The diagram shows the <code>gml:acceleration</code> element. It is a complex type (indicated by a grey box with a circle and a minus sign). It contains a <code>gml:MeasureType</code> element (indicated by a grey box with a circle and a plus sign). The <code>gml:MeasureType</code> element has a <code>double</code> type (indicated by a purple box with a checkmark and a double icon). It also has attributes, represented by a grey box with a circle and a question mark icon, containing <code>@ uom</code>. A note states: "gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure..."</p>								
Type	<code>gml:MeasureType</code>								
Properties	<p>content: complex</p> <p>minOccurs: 0</p>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use							
<code>uom</code>	<code>gml:UomIdentifier</code>	required							

Element `gml:MovingObjectStatusType` / `gml:elevation`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<p>The diagram shows the <code>gml:elevation</code> element. It is a complex type (indicated by a grey box with a circle and a minus sign). It contains a <code>gml:MeasureType</code> element (indicated by a grey box with a circle and a plus sign). The <code>gml:MeasureType</code> element has a <code>double</code> type (indicated by a purple box with a checkmark and a double icon). It also has attributes, represented by a grey box with a circle and a question mark icon, containing <code>@ uom</code>. A note states: "gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure..."</p>								
Type	<code>gml:MeasureType</code>								
Properties	<p>content: complex</p> <p>minOccurs: 0</p>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required
QName	Type	Use							
<code>uom</code>	<code>gml:UomIdentifier</code>	required							

Element `gml:status`

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram shows the <code>gml:status</code> element. It is a complex type (indicated by a grey box with a circle and a minus sign). It contains a <code>gml:StringOrRefType</code> element (indicated by a grey box with a circle and a plus sign). The <code>gml:StringOrRefType</code> element has a <code>string</code> type (indicated by a purple box with a checkmark and a string icon). It also has attributes, represented by a grey box with a circle and a question mark icon, containing <code>gml:AssociationAttributeGroup</code>. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..."</p>		

Type	gml:StringOrRefType			
Properties	content: complex			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Element gml:statusReference

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the gml:statusReference element. It is defined as a gml:ReferenceType, which in turn inherits from gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. The statusReference element itself is shown with a callout pointing to its definition. A note at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</p>				
Type	gml:ReferenceType				
Properties	content: complex				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element gml:topoComplexProperty

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram	<p>gml:TopoComplexPropertyType</p> <p>Attributes</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p> <p>gml:TopoComplex</p> <p>gml:TopoComplex is a collection of topological primitives. Each complex holds a reference to its maximal complex...</p>																																								
Type	gml:TopoComplexPropertyType																																								
Properties	content: complex																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Element gml:multiPointProperty

Namespace	http://www.opengis.net/gml/3.2																														
Diagram	<p>gml:MultiPointPropertyType</p> <p>Attributes</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p> <p>gml:OwnershipAttributeGroup</p> <p>Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...</p> <p>gml:MultiPoint</p> <p>A gml:MultiPoint consists of one or more gml:Points. The members of the geometric aggregate may be specified either...</p> <p>A property that has a collection of points as its value domain may either be an appropriate geometry element...</p>																														
Type	gml:MultiPointPropertyType																														
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional
QName	Type	Fixed	Default	Use																											
gml:remoteSchema	anyURI			optional																											
nilReason	gml:NilReasonType			optional																											
owns	boolean		false	optional																											
xlink:actuate	xlink:actuateType			optional																											
xlink:arcrole	xlink:arcroleType			optional																											

QName	Type	Fixed	Default	Use
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

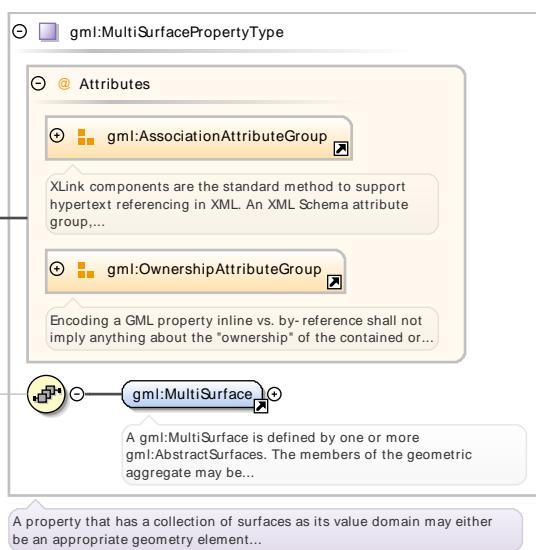
Element **gml:multiCurveProperty**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram	<p>The diagram illustrates the structure of the gml:MultiCurvePropertyType. It shows the following components and their relationships:</p> <ul style="list-style-type: none"> gml:MultiCurvePropertyType (represented by a purple square icon) is the main type. gml:AssociationAttributeGroup (represented by an orange square icon) is associated with gml:MultiCurvePropertyType. A callout box notes: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." gml:OwnershipAttributeGroup (represented by an orange square icon) is associated with gml:MultiCurvePropertyType. A callout box notes: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..." gml:MultiCurve (represented by a green square icon) is associated with gml:MultiCurvePropertyType. A callout box notes: "A gml:MultiCurve is defined by one or more gml:AbstractCurves. The members of the geometric aggregate may be specified..." multiCurveProperty (represented by a blue rounded rectangle) is a specific instance of gml:MultiCurvePropertyType. 																																																							
Type	gml:MultiCurvePropertyType																																																							
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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Element **gml:multiSurfaceProperty**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

gml:MultiSurfacePropertyType

Properties

content: complex

Attributes

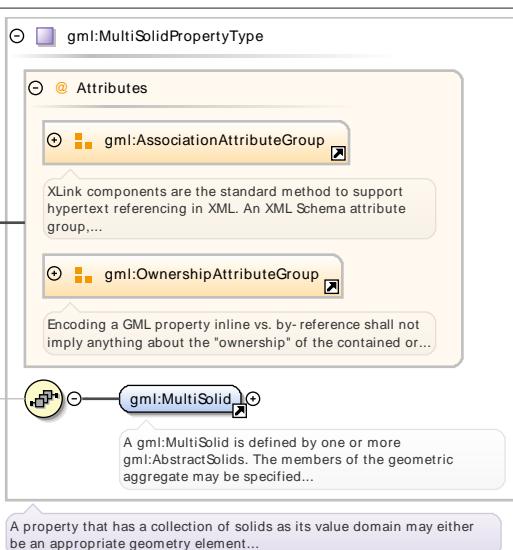
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Element `gml:multiSolidProperty`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

gml:MultiSolidPropertyType

Properties

content: complex

Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element **gml:multiGeometryProperty**

Namespace	http://www.opengis.net/gml/3.2																																																						
Diagram	<p>The diagram illustrates the structure of the gml:MultiGeometryPropertyType. It shows the following components:</p> <ul style="list-style-type: none"> gml:MultiGeometryPropertyType (parent element) Attributes (group) <ul style="list-style-type: none"> gml:AssociationAttributeGroup (highlighted in orange) gml:OwnershipAttributeGroup (highlighted in orange) gml:AbstractGeometricAggregate (highlighted in yellow) Annotations: <ul style="list-style-type: none"> XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,... Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or... gml:AbstractGeometricAggregate is the abstract head of the substitution group for all geometric aggregates. A property that has a geometric aggregate as its value domain may either be an appropriate geometry element... 																																																						
Type	gml:MultiGeometryPropertyType																																																						
Properties	content: complex																																																						
Attributes	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																			
gml:remoteSchema	anyURI			optional																																																			
nilReason	gml:NilReasonType			optional																																																			
owns	boolean		false	optional																																																			
xlink:actuate	xlink:actuateType			optional																																																			
xlink:arcrole	xlink:arcroleType			optional																																																			
xlink:href	xlink:hrefType			optional																																																			
xlink:role	xlink:roleType			optional																																																			
xlink:show	xlink:showType			optional																																																			
xlink:title	xlink:titleAttrType			optional																																																			
xlink:type	xlink:typeType	simple		optional																																																			

Element **gml:pointArrayProperty**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram									
Type	gml:PointArrayPropertyType								
Properties	content: complex								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Element gml:curveArrayProperty

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	gml:CurveArrayPropertyType
Properties	content: complex

Element gml:surfaceArrayProperty

Namespace	http://www.opengis.net/gml/3.2
Diagram	

Type	gml:SurfaceArrayPropertyType			
Properties	content: complex			
Attributes	QName	Type	Default	Use
	owns	boolean	false	optional

Element **gml:solidArrayProperty**

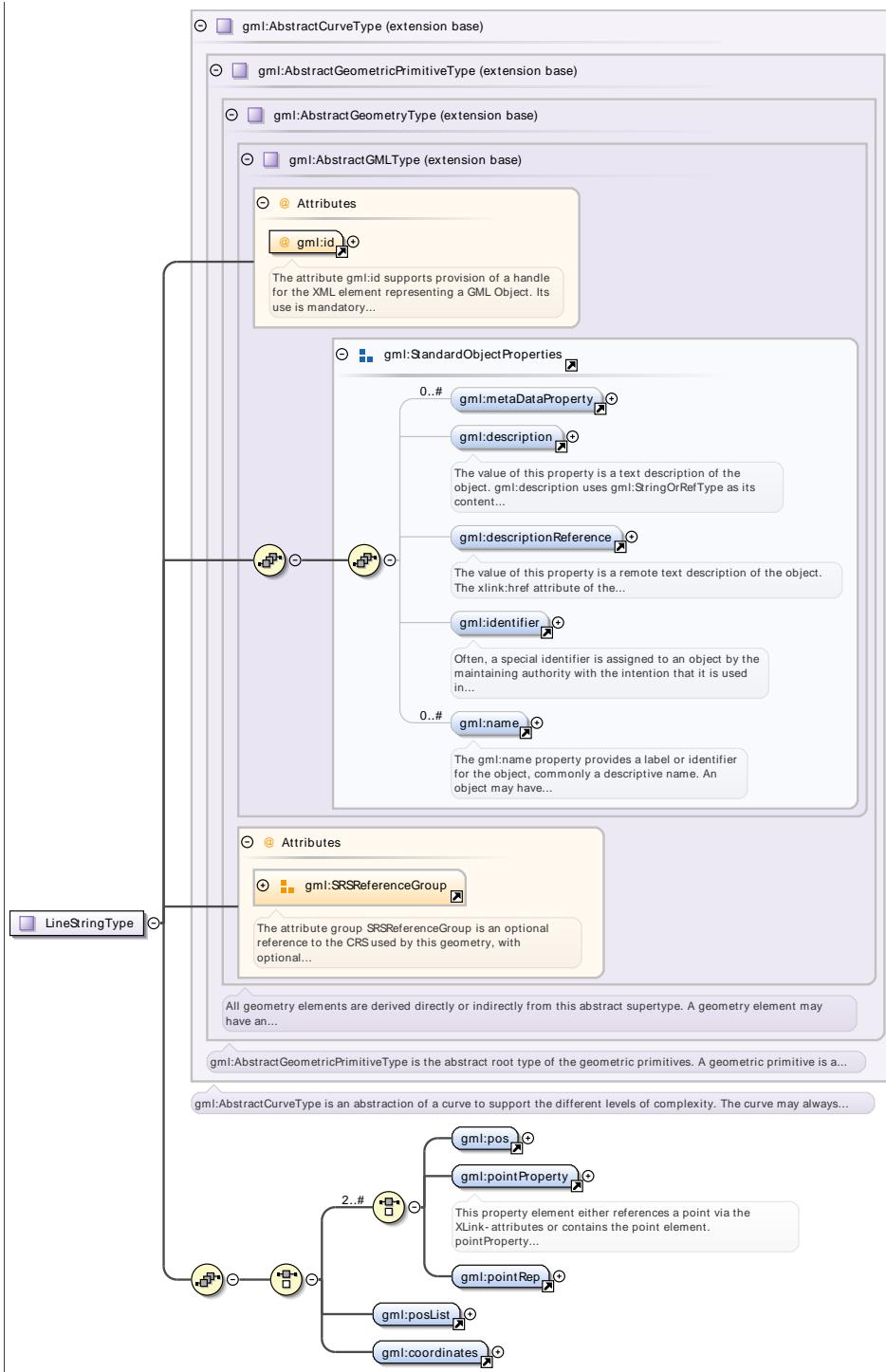
Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Type	gml:SolidArrayPropertyType			
Properties	content: complex			
Attributes	QName	Type	Default	Use
	owns	boolean	false	optional

Complex Type(s)

Complex Type **gml:LineStringType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of gml:AbstractCurveType

Type	QName	Type	Use
Attributes	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

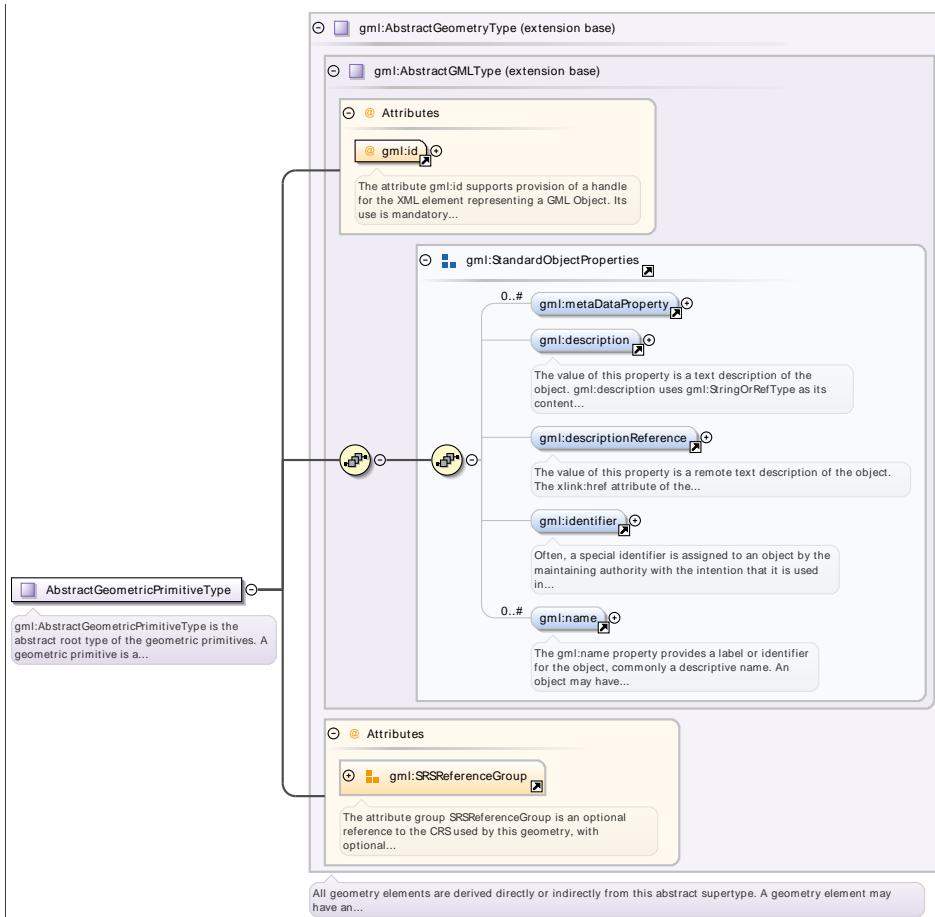
Complex Type `gml:AbstractCurveType`

Namespace	http://www.opengis.net/gml/3.2																												
Annotations	<p><code>gml:AbstractCurveType</code> is an abstraction of a curve to support the different levels of complexity. The curve may always be viewed as a geometric primitive, i.e. is continuous.</p>																												
Diagram	<p>The diagram illustrates the inheritance structure of the <code>gml:AbstractCurveType</code> complex type. It is derived from three abstract base types: <code>gml:AbstractGeometricPrimitiveType</code>, <code>gml:AbstractGeometryType</code>, and <code>gml:AbstractGMLType</code>. The <code>gml:AbstractCurveType</code> class itself is annotated with a description: "gml:AbstractCurveType is an abstraction of a curve to support the different levels of complexity. The curve may always be viewed as a geometric primitive, i.e. is continuous." The <code>gml:AbstractGeometricPrimitiveType</code> base type has an attribute <code>gml:id</code> with a detailed description: "The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory..." It also includes a group of attributes: <code>gml:metaDataProperty</code>, <code>gml:description</code>, <code>gml:descriptionReference</code>, <code>gml:identifier</code>, and <code>gml:name</code>. Each of these attributes has its own detailed description. The <code>gml:metaDataProperty</code> is described as a text description of the object, <code>gml:description</code> as a remote text description via <code>xlink:href</code>, <code>gml:identifier</code> as a special identifier assigned by authority, and <code>gml:name</code> as a descriptive label. The <code>gml:SRSReferenceGroup</code> attribute group is also defined. A general note at the bottom states: "All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an..."</p>																												
Type	extension of <code>gml:AbstractGeometricPrimitiveType</code>																												
Properties	abstract: true																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> <td></td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td><code>srsDimension</code></td> <td>positiveInteger</td> <td>optional</td> <td></td> </tr> <tr> <td><code>srsName</code></td> <td>anyURI</td> <td>optional</td> <td></td> </tr> <tr> <td><code> uomLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<code>axisLabels</code>	<code>gml:NCNameList</code>	optional		<code>gml:id</code>	ID	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			<code>srsDimension</code>	positiveInteger	optional		<code>srsName</code>	anyURI	optional		<code> uomLabels</code>	<code>gml:NCNameList</code>	optional	
QName	Type	Use																											
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																											
<code>gml:id</code>	ID	required																											
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																												
<code>srsDimension</code>	positiveInteger	optional																											
<code>srsName</code>	anyURI	optional																											
<code> uomLabels</code>	<code>gml:NCNameList</code>	optional																											

Complex Type `gml:AbstractGeometricPrimitiveType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p><code>gml:AbstractGeometricPrimitiveType</code> 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

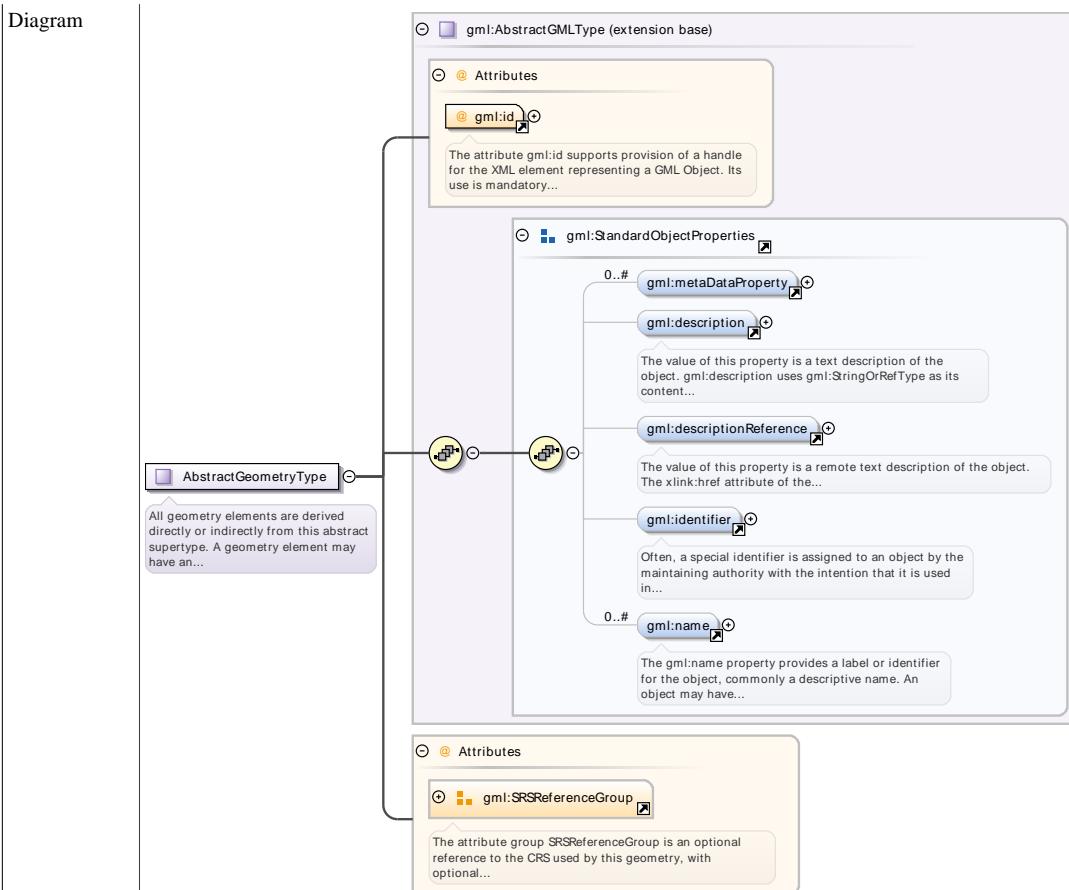


Type	extension of <code>gml:AbstractGeometryType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	ID	required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	<code>srsDimension</code>	positiveInteger	optional
	<code>srsName</code>	anyURI	optional
	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional

Complex Type `gml:AbstractGeometryType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an identifying attribute (<code>gml:id</code>), one or more names (elements <code>identifier</code> and <code>name</code>) and a description (elements <code>description</code> and <code>descriptionReference</code>). It may be associated with a spatial reference system (attribute group <code>gml:SRSReferenceGroup</code>). The following rules shall be adhered to: - 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 <code>AbstractGeometry</code> .

Diagram

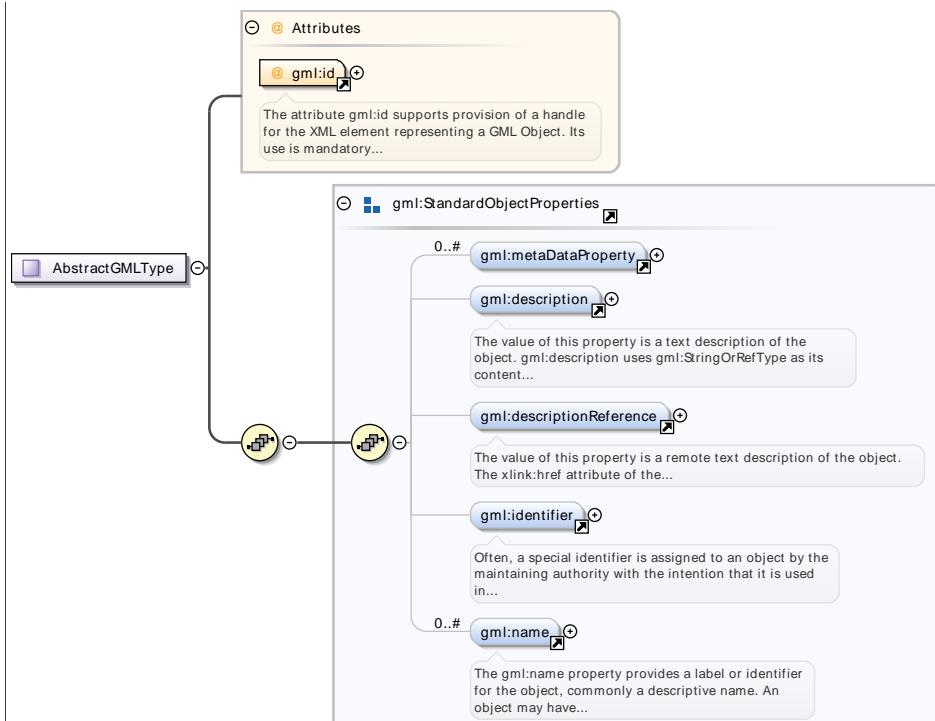


Type	extension of <code>gml:AbstractGMLType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	axisLabels	<code>gml:NCNameList</code>	optional
	gml:id	ID	required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	<code>gml:NCNameList</code>	optional

Complex Type `gml:AbstractGMLType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Properties

abstract: true

Attributes

QName

Type

Use

gml:id

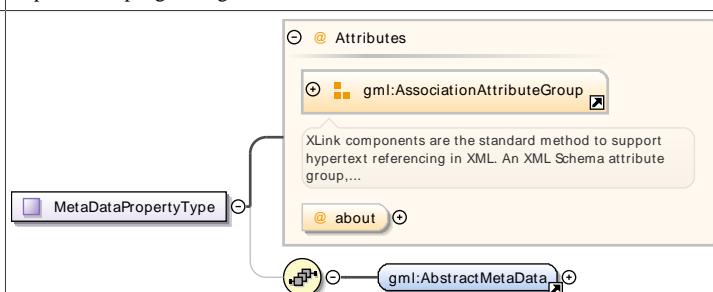
ID

required

The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type **gml:MetaDataPropertyType**Namespace <http://www.opengis.net/gml/3.2>

Diagram



Attributes

QName

Type

Fixed

Use

about

anyURI

optional

gml:remoteSchema

anyURI

optional

nilReason

gml:NilReasonType

optional

xlink:actuate

xlink:actuateType

optional

xlink:arcrole

xlink:arcroleType

optional

xlink:href

xlink:hrefType

optional

xlink:role

xlink:roleType

optional

xlink:show

xlink:showType

optional

xlink:title

xlink:titleAttrType

optional

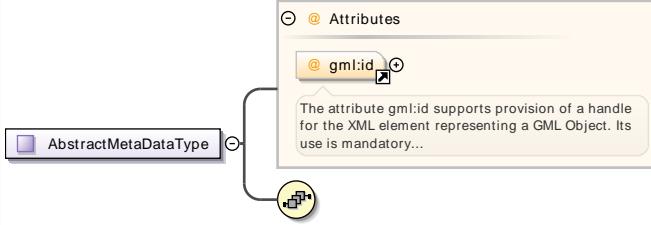
xlink:type

xlink:typeType

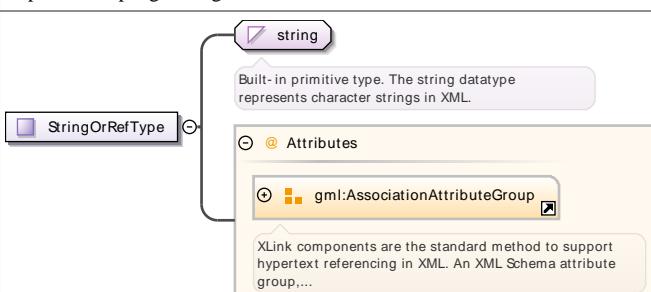
simple

optional

Complex Type `gml:AbstractMetaDataType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Properties	abstract: true mixed: true		
Attributes	QName gml:id	Type ID	Use optional
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:StringOrRefType`

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Type	extension of string			
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed optional optional optional optional optional optional optional optional optional	Use optional optional optional optional optional optional optional optional optional
	XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....			

Complex Type `gml:ReferenceType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a "by-reference only" encoding.

Diagram	<p>gm1:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</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>gm1:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gm1:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gm1:remoteSchema	anyURI			optional	nilReason	gm1:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gm1:remoteSchema	anyURI			optional																																																				
nilReason	gm1:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type gm1:CodeWithAuthorityType

Namespace	http://www.opengis.net/gml/3.2						
Annotations	gm1:CodeWithAuthorityType requires that the codeSpace attribute is provided in an instance.						
Diagram	<p>gm1:CodeWithAuthorityType requires that the codeSpace attribute is provided in an instance.</p>						
Type	restriction of gm1:CodeType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>codeSpace</td><td>anyURI</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	required
QName	Type	Use					
codeSpace	anyURI	required					

Complex Type gm1:CodeType

Namespace	http://www.opengis.net/gml/3.2
Annotations	gm1:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term, where the value of the codeSpace attribute (if present) shall indicate a dictionary, thesaurus, classification scheme, authority, or pattern for the term.

Diagram	<p>gml:CodeType is a generalized type to be used for a term, keyword or name. It adds a XML attribute codeSpace to a term,....</p>						
Type	extension of string						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional
QName	Type	Use					
codeSpace	anyURI	optional					

Complex Type gml:DirectPositionType

Namespace	http://www.opengis.net/gml/3.2																	
Annotations	Direct position instances hold the coordinates for a position within some coordinate reference system (CRS). Since direct positions, as data types, will often be included in larger objects (such as geometry elements) that have references to CRS, the srsName attribute will in general be missing, if this particular direct position is included in a larger element with such a reference to a CRS. In this case, the CRS is implicitly assumed to take on the value of the containing object's CRS. If no srsName attribute is given, the CRS shall be specified as part of the larger context this geometry element is part of, typically a geometric object like a point, curve, etc.																	
Diagram	<p>Direct position instances hold the coordinates for a position within some coordinate reference system (CRS). Since...</p>																	
Type	extension of gml:doubleList																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>			QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																
axisLabels	gml:NCNameList	optional																
srsDimension	positiveInteger	optional																
srsName	anyURI	optional																
uomLabels	gml:NCNameList	optional																

Complex Type gml:Point.PropertyType

Namespace	http://www.opengis.net/gml/3.2		
Annotations	A property that has a point as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.		
Diagram	<p>A property that has a point as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.</p>		

Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Complex Type **gml:PointType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the structure of the gml:PointType complex type. It is an extension of gml:AbstractGeometricPrimitiveType, gml:AbstractGeometryType, and gml:AbstractGMLType. The gml:metaDataProperty attribute is marked as 0..# and has three sub-properties: gml:description, gml:descriptionReference, and gml:identifier. The gml:description property is described as a text description of the object. The gml:descriptionReference property is described as a remote text description of the object. The gml:identifier property is described as a special identifier assigned by the maintaining authority. The gml:name attribute is marked as 0..# and provides a label or identifier for the object. The gml:SRSReferenceGroup attribute group is optional and refers to the CRS used by the geometry. The gml:pos and gml:coordinates geometry primitives are also shown.</p>
Type	extension of gml:AbstractGeometricPrimitiveType

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type **gml:CoordinatesType**

Namespace	http://www.opengis.net/gml/3.2																
Annotations	<p>This type is deprecated for tuples with ordinate values that are numbers. CoordinatesType is a text string, intended to be used to record an array of tuples or coordinates. While it is not possible to enforce the internal structure of the string through schema validation, some optional attributes have been provided in previous versions of GML to support a description of the internal structure. These attributes are deprecated. The attributes were intended to be used as follows: Decimal symbol used for a decimal point (default=".") stop or period) cs symbol used to separate components within a tuple or coordinate string (default="," a comma) ts symbol used to separate tuples or coordinate strings (default=" " a space) Since it is based on the XML Schema string type, CoordinatesType may be used in the construction of tables of tuples or arrays of tuples, including ones that contain mixed text and numeric values.</p>																
Diagram	<pre> classDiagram class CoordinatesType { string @ decimal @ cs @ ts } string < -- CoordinatesType string --> string: Built-in primitive type. The string datatype represents character strings in XML. string --> decimal: @ decimal string --> cs: @ cs string --> ts: @ ts </pre>																
Type	extension of string																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>cs</td> <td>string</td> <td>,</td> <td>optional</td> </tr> <tr> <td>decimal</td> <td>string</td> <td>.</td> <td>optional</td> </tr> <tr> <td>ts</td> <td>string</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	cs	string	,	optional	decimal	string	.	optional	ts	string		optional
QName	Type	Default	Use														
cs	string	,	optional														
decimal	string	.	optional														
ts	string		optional														

Complex Type **gml:DirectPositionListType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>posList instances (and other instances with the content model specified by DirectPositionListType) hold the coordinates for a sequence of direct positions within the same coordinate reference system (CRS). If no srsName attribute is given, the CRS shall be specified as part of the larger context this geometry element is part of, typically a geometric object like a point, curve, etc. The optional attribute count specifies the number of direct positions in the list. If the attribute count is present then the attribute srsDimension shall be present, too. The number of entries in the list is equal to the product of the dimensionality of the coordinate reference system (i.e. it is a derived value of the coordinate reference system definition) and the number of direct positions.</p>
Diagram	<pre> classDiagram class DirectPositionListType { gml:doubleList @ gml:SRSReferenceGroup @ count } gml:doubleList < -- DirectPositionListType gml:doubleList --> string: A type for a list of values of the respective simple type. gml:SRSReferenceGroup < -- DirectPositionListType gml:SRSReferenceGroup --> srsName: The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional... gml:SRSReferenceGroup --> srsDimension: ... gml:SRSReferenceGroup --> count: ... </pre>
Type	extension of gml:doubleList

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	count	positiveInteger	optional
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type **gml:TimePrimitivePropertyType**

Namespace	http://www.opengis.net/gml/3.2					
Annotations	gml:TimePrimitivePropertyType provides a standard content model for associations between an arbitrary member of the substitution group whose head is gml:AbstractTimePrimitive and another object.					
Diagram	<p>The diagram illustrates the structure of the gml:TimePrimitivePropertyType. It is a purple rounded rectangle with a small circular icon in the top-left corner. A line connects it to a larger rounded rectangle representing its parent, gml:AbstractTimePrimitive, which is marked with a yellow circular icon. This connection is labeled with the text "gml:TimePrimitivePropertyType provides a standard content model for associations between an arbitrary member of the...". The gml:AbstractTimePrimitive box also has a line connecting to a yellow box labeled "gml:AssociationAttributeGroup" and another yellow box labeled "gml:OwnershipAttributeGroup". Both of these boxes have associated callouts: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." and "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...". Below the gml:AbstractTimePrimitive box is a callout stating "gml:AbstractTimePrimitive acts as the head of a substitution group for geometric and topological temporal primitives.".</p>					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI				optional
	nilReason	gml:NilReasonType				optional
	owns	boolean		false		optional
	xlink:actuate	xlink:actuateType				optional
	xlink:arcrole	xlink:arcroleType				optional
	xlink:href	xlink:hrefType				optional
	xlink:role	xlink:roleType				optional
	xlink:show	xlink:showType				optional
	xlink:title	xlink:titleAttrType				optional
	xlink:type	xlink:typeType	simple			optional

Complex Type **gml:AbstractTimePrimitiveType**

Namespace	http://www.opengis.net/gml/3.2					
-----------	--------------------------------	--	--	--	--	--

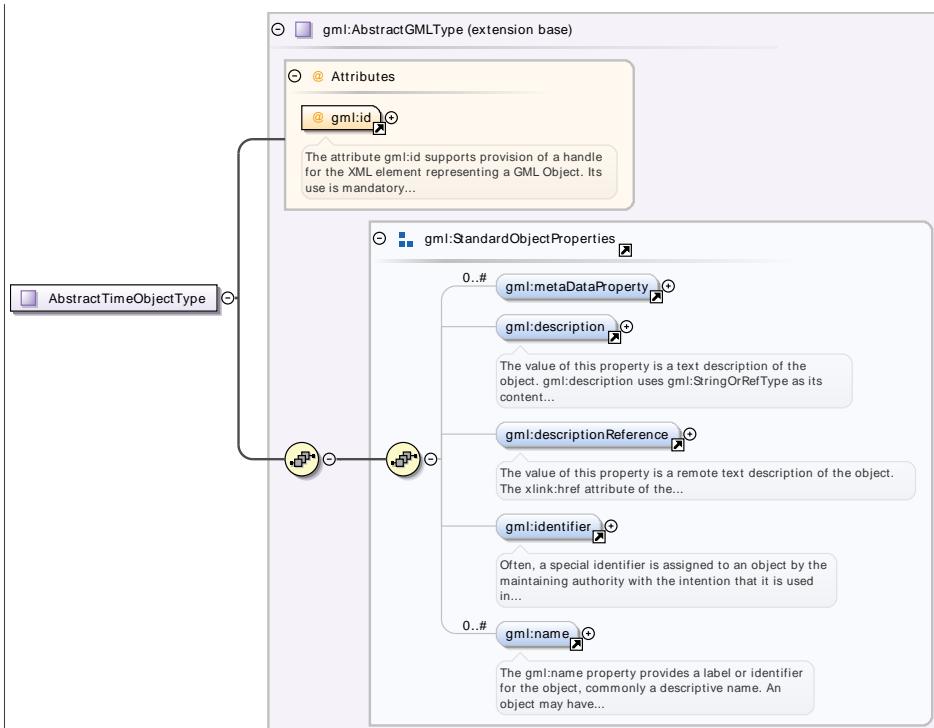
Diagram

	<pre> classDiagram gml:AbstractTimeObjectType < -- gml:AbstractGMLType gml:AbstractTimeObjectType < -- gml:StandardObjectProperties gml:AbstractTimeObjectType "0..1" -- "0..1" AbstractTimePrimitiveType : gml:AbstractTimeObjectType "0..1" -- "0..1" relatedTime : </pre>									
Type	extension of gml:AbstractTimeObjectType									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
gml:id	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Complex Type gml:AbstractTimeObjectType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

extension of `gm1:AbstractGMLType`

Properties

abstract: true

Attributes

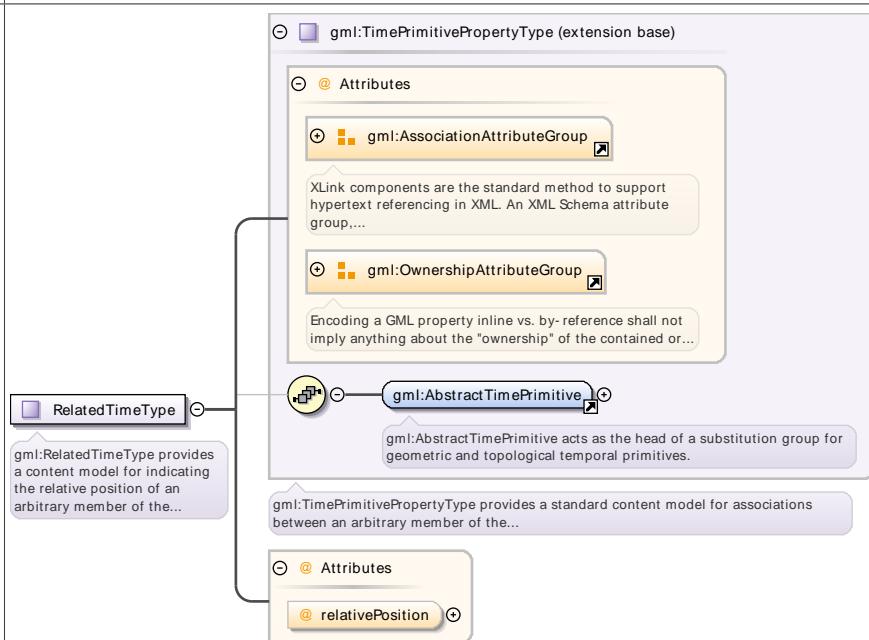
QName	Type	Use
<code>gm1:id</code>	ID	required

The attribute `gm1:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gm1:RelatedTimeType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gm1:RelatedTimeType</code> provides a content model for indicating the relative position of an arbitrary member of the substitution group whose head is <code>gm1:AbstractTimePrimitive</code> . It extends the generic <code>gm1:TimePrimitivePropertyType</code> with an XML attribute <code>relativePosition</code> , whose value is selected from the set of 13 temporal relationships identified by Allen (1983)

Diagram



Type	extension of <code>gml:TimePrimitivePropertyType</code>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	<code>anyURI</code>			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	<code>boolean</code>		<code>false</code>	optional
	<code>relativePosition</code>	restriction of string			optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

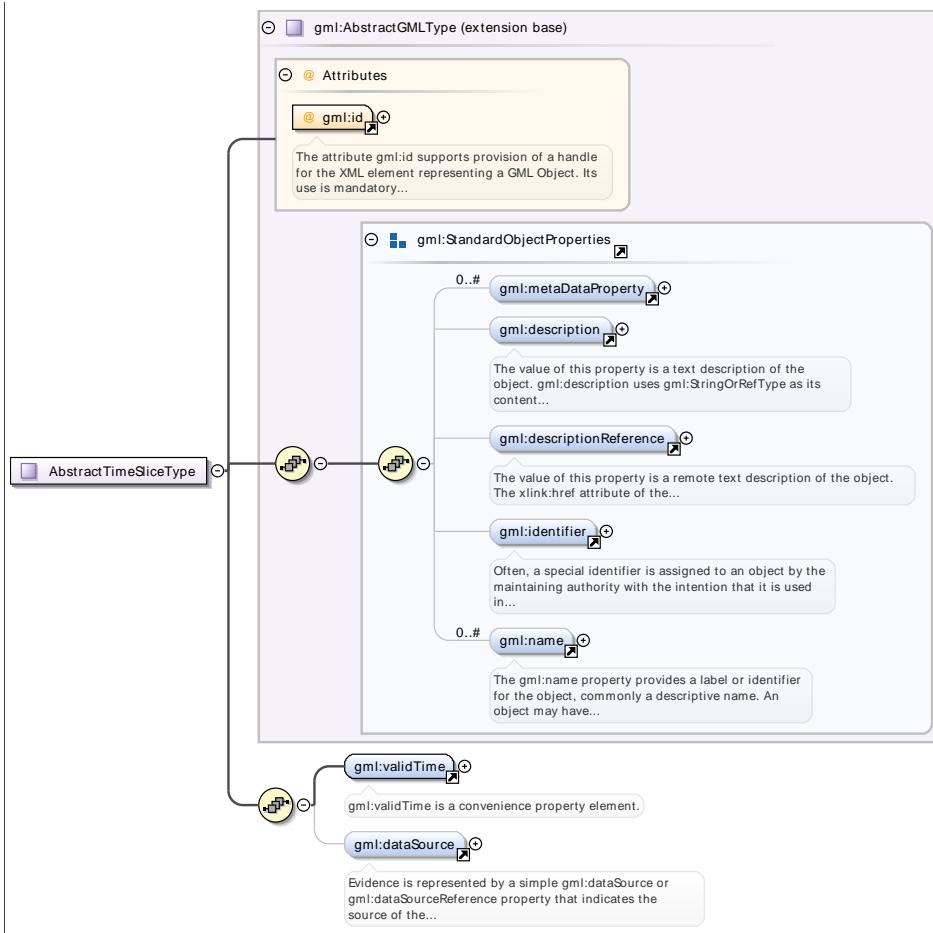
Complex Type `gml:History.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>Diagram illustrating the structure of <code>History.PropertyType</code>. It shows the class <code>History.PropertyType</code> with an aggregation relationship to the <code>gml:OwnershipAttributeGroup</code>. This group contains the attribute <code>owns</code>. There is also a multiplicity relationship to <code>gml:AbstractTimeSlice</code> with multiplicity 1..#.</p>				
Attributes	QName	Type	Default	Use	
	<code>owns</code>	<code>boolean</code>	<code>false</code>	optional	

Complex Type `gml:AbstractTimeSliceType`

Namespace	http://www.opengis.net/gml/3.2				
-----------	-----------------------------------------------------------------------------	--	--	--	--

Diagram



Type extension of `gm1:AbstractGMLType`

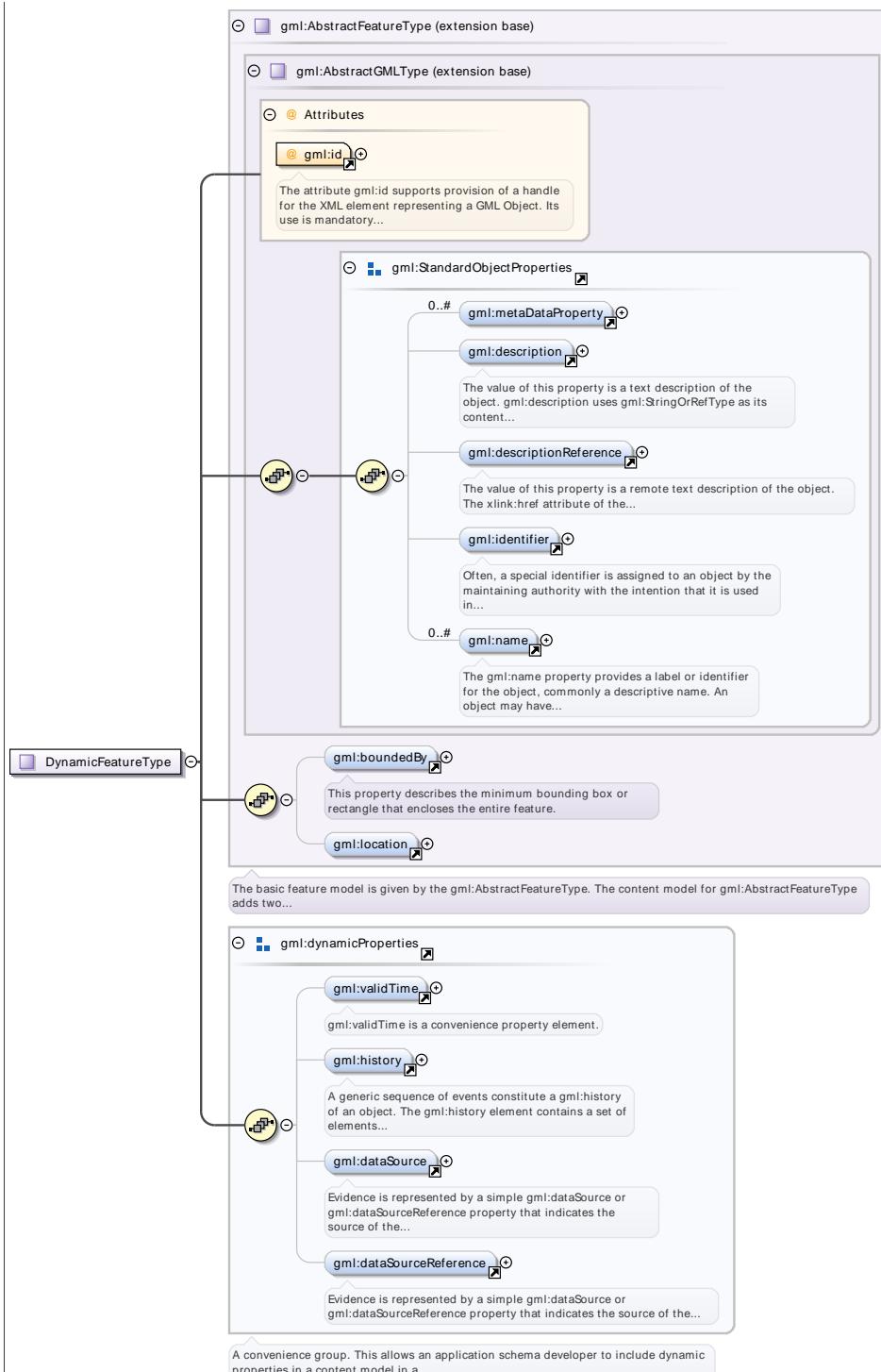
Properties abstract: true

Attributes	QName	Type	Use	
	<code>gm1:id</code>	ID	required	The attribute <code>gm1:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gm1:DynamicFeatureType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractFeatureType</code>			
Attributes	QName	Type	Use	
	<code>gml:id</code>	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:AbstractFeatureType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The basic feature model is given by the <code>gml:AbstractFeatureType</code> . The content model for <code>gml:AbstractFeatureType</code> adds two specific properties suitable for geographic features to the content model defined in <code>gml:AbstractGMLType</code> . The value of the

gml:boundedBy property describes an envelope that encloses the entire feature instance, and is primarily useful for supporting rapid searching for features that occur in a particular location. The value of the gml:location property describes the extent, position or relative location of the feature.

Diagram	<p>The diagram illustrates the structure of the gml:AbstractFeatureType class. It inherits from gml:AbstractGMLType (extension base). It has an association with gml:StandardObjectProperties (multiplicity 0..#) and an association with gml:Envelope (multiplicity 0..#). The gml:StandardObjectProperties class contains attributes: gml:id (ID, required), gml:description (string or reference), gml:descriptionReference (remote text description), gml:identifier (special identifier), and gml:name (label or identifier). The gml:Envelope class contains attributes: gml:boundedBy (minimum bounding box) and gml:location (extent, position or relative location).</p>									
Type	extension of gml:AbstractGMLType									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
gml:id	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

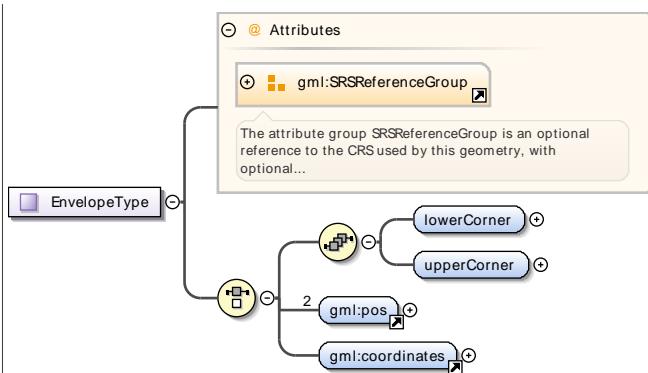
Complex Type **gml:BoundingShapeType**

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<p>The diagram illustrates the structure of the BoundingShapeType class. It inherits from AbstractFeatureType. It has an association with StandardObjectProperties (multiplicity 0..#) and an association with Envelope (multiplicity 0..#). The StandardObjectProperties class contains attributes: nilReason (nil reason). The Envelope class contains attributes: gml:Envelope (envelope definition) and gml:Null (null value).</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	nilReason	gml:NilReasonType	optional
QName	Type	Use					
nilReason	gml:NilReasonType	optional					

Complex Type **gml:EnvelopeType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Attributes

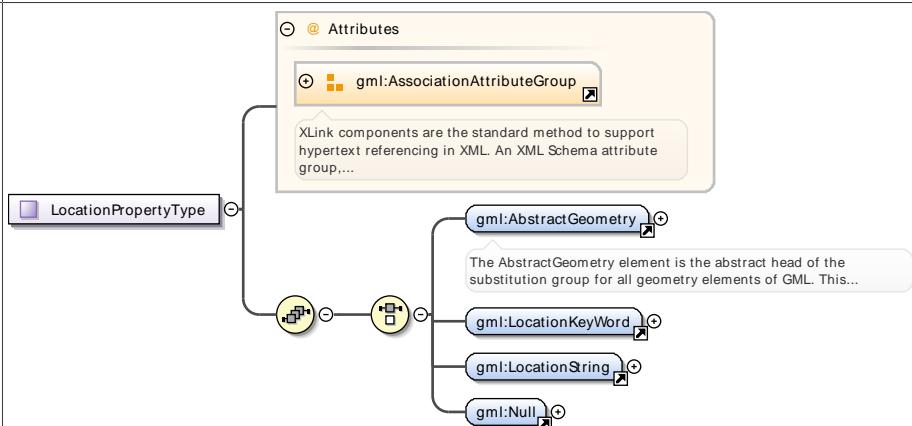
QName	Type	Use	
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	
<code>srsDimension</code>	<code>positiveInteger</code>	optional	
<code>srsName</code>	<code>anyURI</code>	optional	
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional	

Complex Type `gml:Location.PropertyType`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Attributes

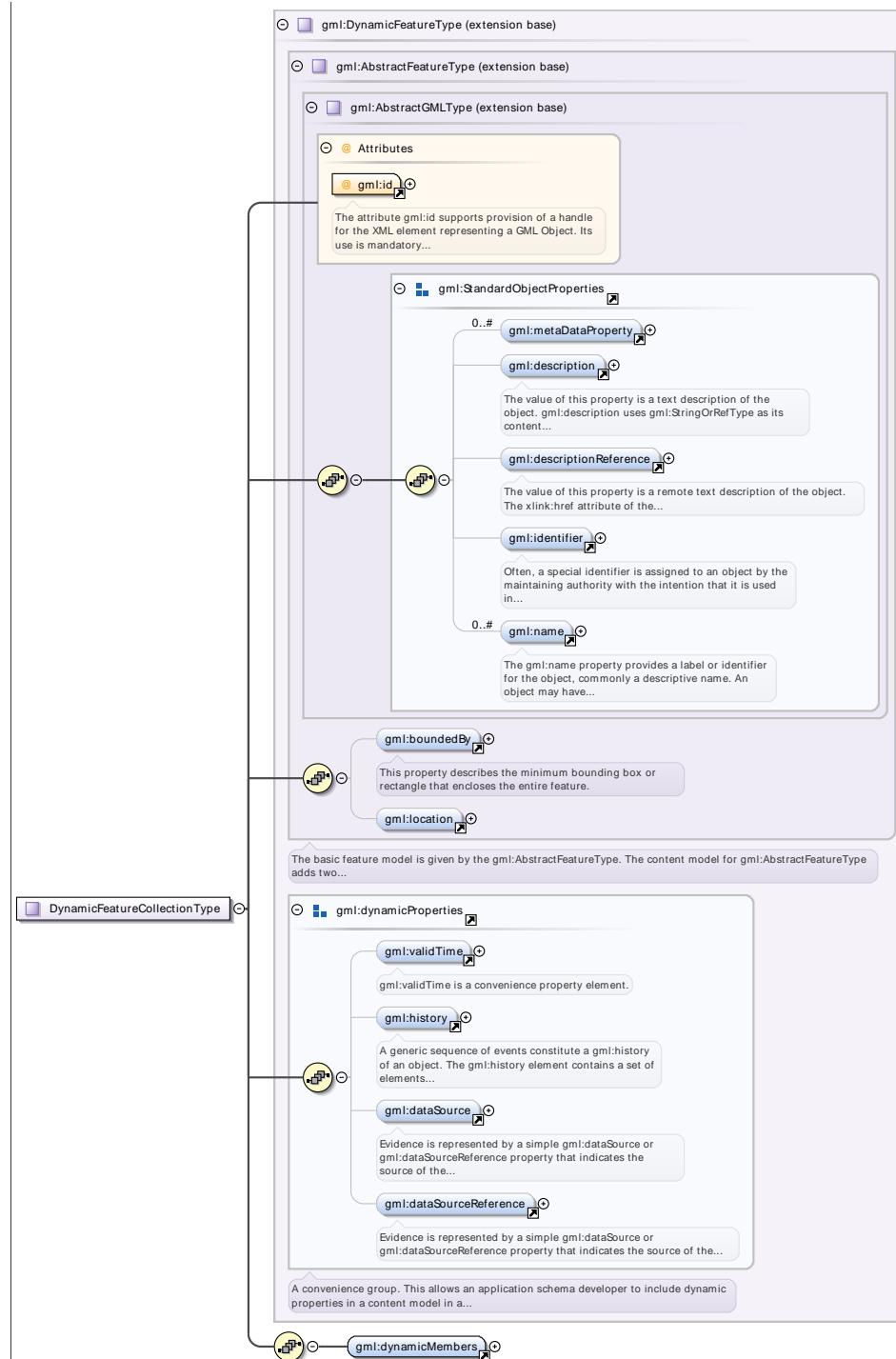
QName	Type	Fixed	Use	
<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
<code>xlink:show</code>	<code>xlink:showType</code>		optional	
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:DynamicFeatureCollectionType`

Namespace

http://www.opengis.net/gml/3.2

Diagram

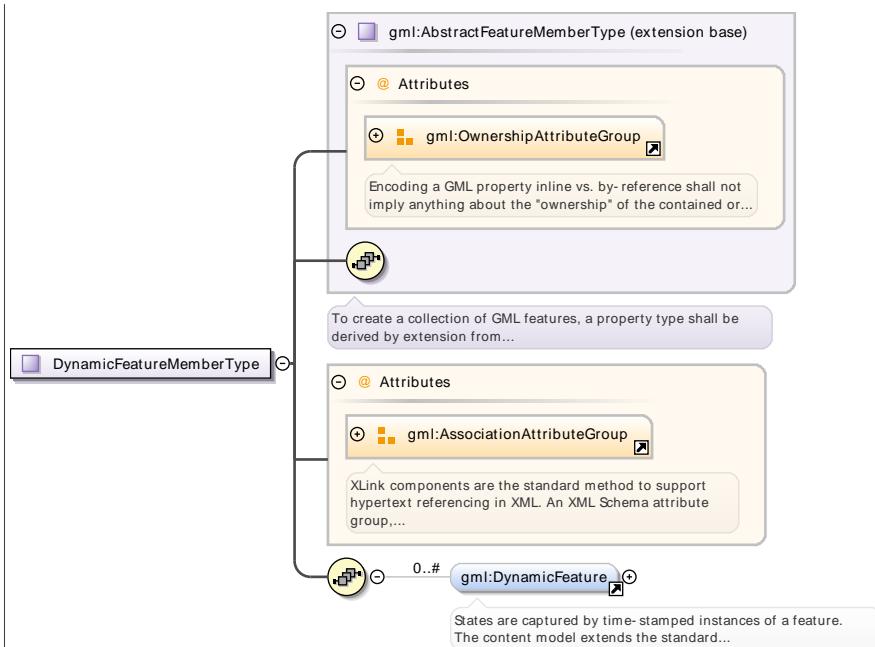


Type	extension of <code>gml:DynamicFeatureType</code>					
Attributes	QName	Type	Use			
	<code>gml:id</code>	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:DynamicFeatureMemberType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type

extension of `gml:AbstractFeatureMemberType`

Attributes

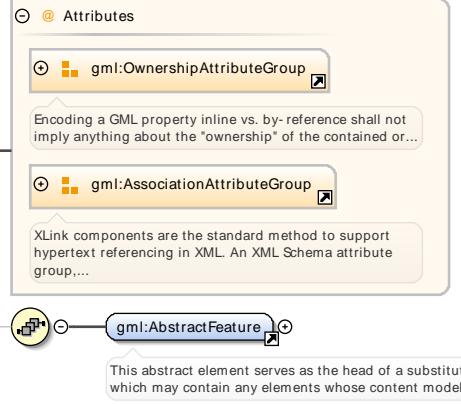
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:AbstractFeatureMemberType`

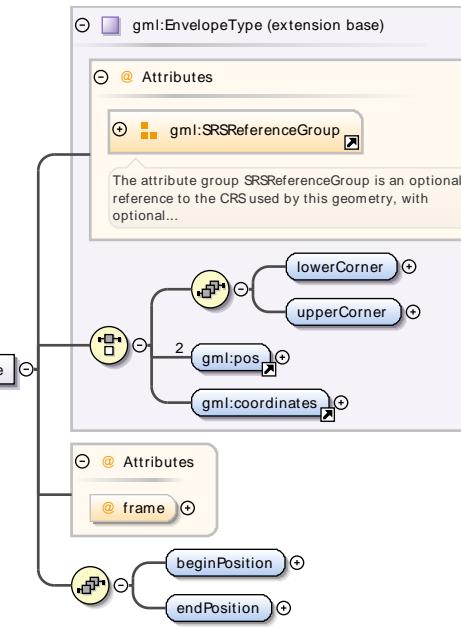
Namespace	http://www.opengis.net/gml/3.2														
Annotations	To create a collection of GML features, a property type shall be derived by extension from <code>gml:AbstractFeatureMemberType</code> . By default, this abstract property type does not imply any ownership of the features in the collection. The <code>owns</code> attribute of <code>gml:OwnershipAttributeGroup</code> may be used on a property element instance to assert ownership of a feature in the collection. A collection shall not own a feature already owned by another object.														
Diagram	<p>The diagram illustrates the extension of the <code>gml:AbstractFeatureMemberType</code> to the <code>gml:Feature.PropertyType</code>. The <code>gml:AbstractFeatureMemberType</code> is the extension base, containing attributes for ownership and association. The <code>gml:Feature.PropertyType</code> extends this base and adds a multiplicity of 0..# for <code>gml:DynamicFeature</code>, with an annotation stating that states are captured by time-stamped instances of a feature.</p>														
Properties	abstract: true														
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>owns</code></td><td>boolean</td><td>false</td><td>optional</td><td></td></tr> </tbody> </table>					QName	Type	Default	Use		<code>owns</code>	boolean	false	optional	
QName	Type	Default	Use												
<code>owns</code>	boolean	false	optional												

Complex Type `gml:Feature.PropertyType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	 <p>Diagram illustrating the inheritance and associations of the Feature.PropertyType class. It inherits from Feature and AbstractFeature. It has associations with gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup.</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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:EnvelopeWithTimePeriodType**

Namespace	http://www.opengis.net/gml/3.2																				
Diagram	 <p>Diagram illustrating the inheritance and associations of the EnvelopeWithTimePeriodType class. It inherits from gml:EnvelopeType (extension base). It has associations with gml:SRSReferenceGroup, gml:pos (multiplicity 2), gml:coordinates, and frame.</p>																				
Type	extension of gml:EnvelopeType																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td></td><td>optional</td></tr> <tr> <td>frame</td><td>anyURI</td><td>#ISO-8601</td><td>optional</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td></td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	axisLabels	gml:NCNameList		optional	frame	anyURI	#ISO-8601	optional	srsDimension	positiveInteger		optional	srsName	anyURI		optional
QName	Type	Default	Use																		
axisLabels	gml:NCNameList		optional																		
frame	anyURI	#ISO-8601	optional																		
srsDimension	positiveInteger		optional																		
srsName	anyURI		optional																		

QName	Type	Default	Use	
uomLabels	gml:NCNameList		optional	

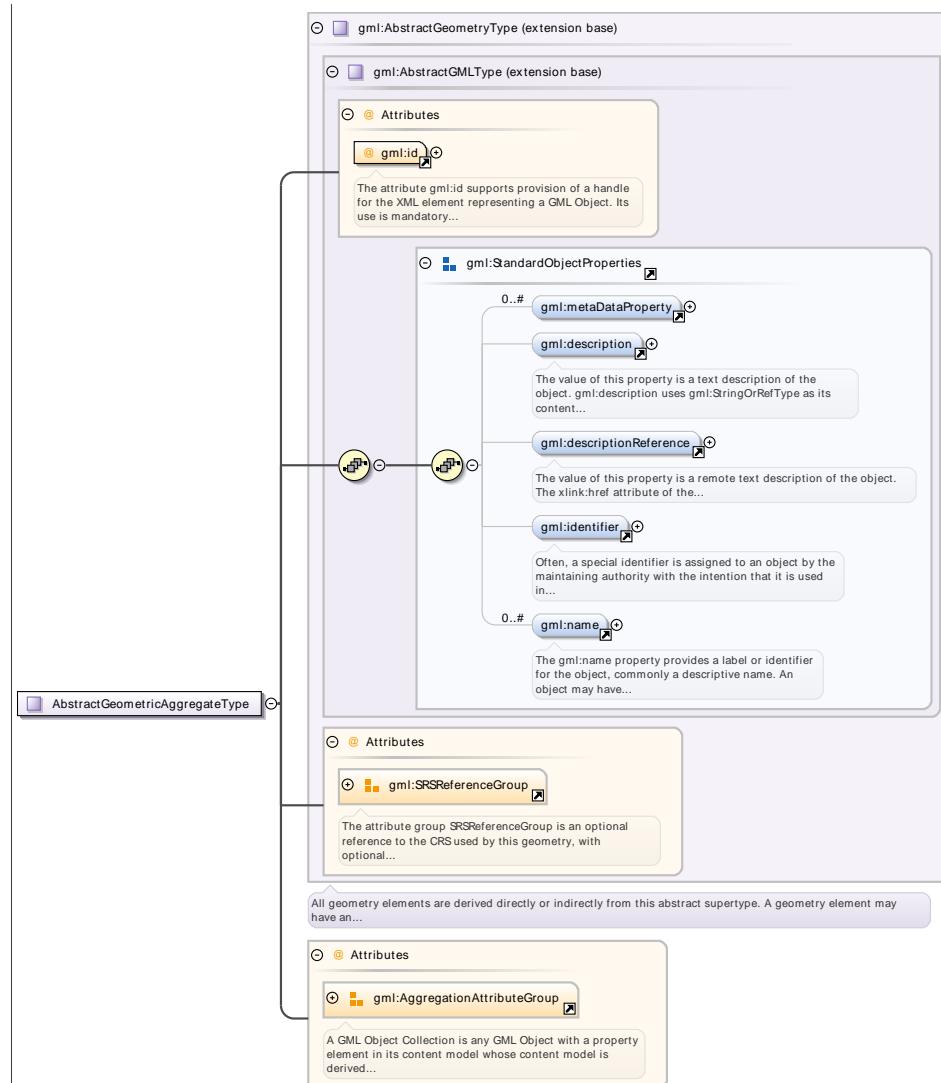
Complex Type **gml:TimePositionType**

Namespace	http://www.opengis.net/gml/3.2																
Annotations	<p>The method for identifying a temporal position is specific to each temporal reference system. gml:TimePositionType supports the description of temporal position according to the subtypes described in ISO 19108. Values based on calendars and clocks use lexical formats that are based on ISO 8601, as described in XML Schema Part 2:2001. A decimal value may be used with coordinate systems such as GPS time or UNIX time. A URI may be used to provide a reference to some era in an ordinal reference system. In common with many of the components modelled as data types in the ISO 19100 series of International Standards, the corresponding GML component has simple content. However, the content model gml:TimePositionType is defined in several steps. Three XML attributes appear on gml:TimePositionType: A time value shall be associated with a temporal reference system through the frame attribute that provides a URI reference that identifies a description of the reference system. Following ISO 19108, the Gregorian calendar with UTC is the default reference system, but others may also be used. Components for describing temporal reference systems are described in 14.4, but it is not required that the reference system be described in this, as the reference may refer to anything that may be identified with a URI. For time values using a calendar containing more than one era, the (optional) calendarEraName attribute provides the name of the calendar era. Inexact temporal positions may be expressed using the optional indeterminatePosition attribute. This takes a value from an enumeration.</p>																
Diagram	<p>The diagram illustrates the inheritance of the TimePositionType from the gml:TimePositionUnion. The TimePositionType is shown with a tooltip: "The method for identifying a temporal position is specific to each temporal reference system. gml:TimePositionType...". The gml:TimePositionUnion is described as a union of XML Schema simple types which instantiate the subtypes for temporal... It has attributes: frame, calendarEraName, and indeterminatePosition.</p>																
Type	extension of gml:TimePositionUnion																
Properties	final: extension, restriction																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>calendarEraName</td> <td>string</td> <td></td> <td>optional</td> </tr> <tr> <td>frame</td> <td>anyURI</td> <td>#ISO-8601</td> <td>optional</td> </tr> <tr> <td>indeterminatePosition</td> <td>gml:TimeIndeterminateValueType</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	calendarEraName	string		optional	frame	anyURI	#ISO-8601	optional	indeterminatePosition	gml:TimeIndeterminateValueType		optional
QName	Type	Default	Use														
calendarEraName	string		optional														
frame	anyURI	#ISO-8601	optional														
indeterminatePosition	gml:TimeIndeterminateValueType		optional														

Complex Type **gml:AbstractGeometricAggregateType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

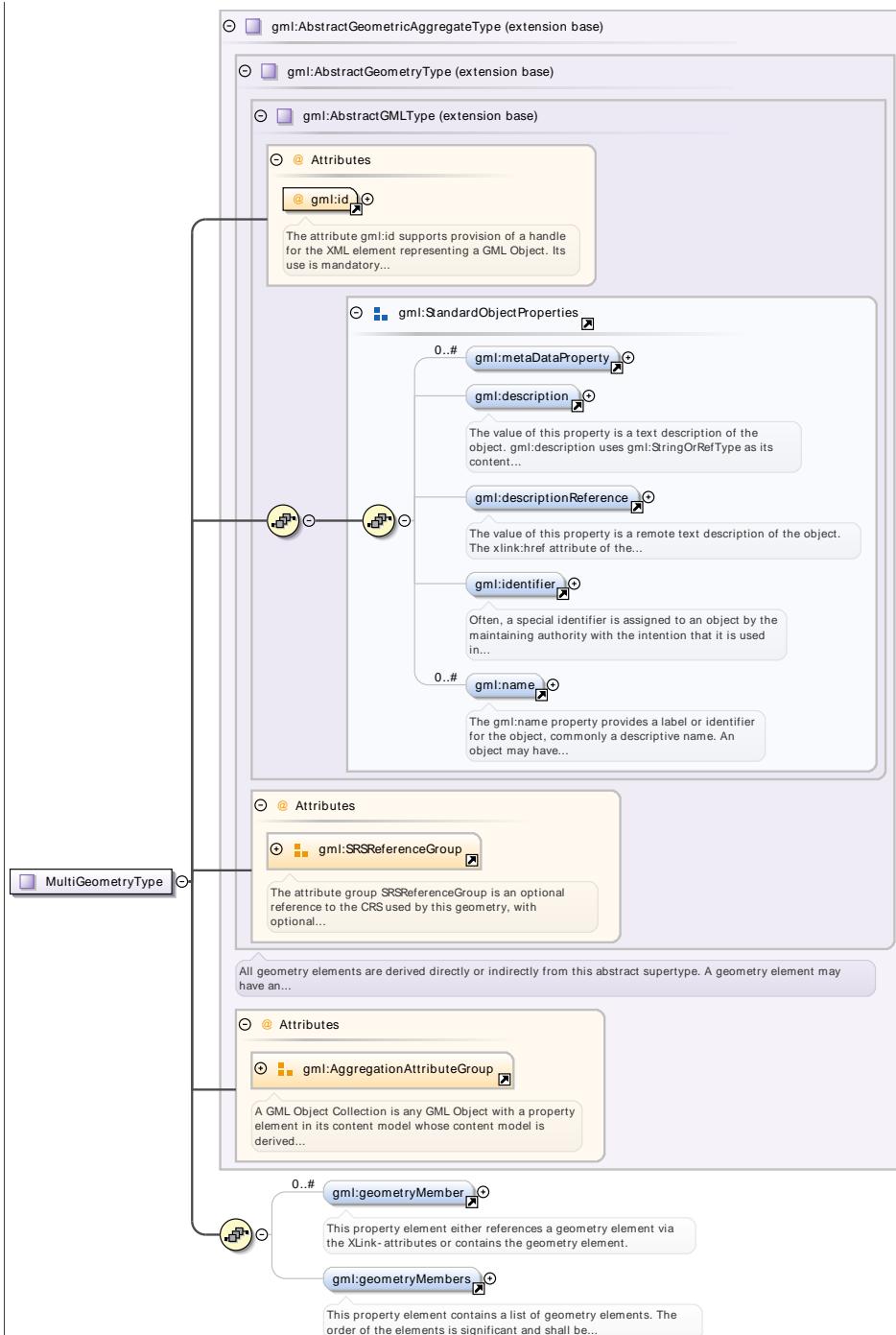


Type	extension of gml:AbstractGeometryType		
Properties	abstract: true		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type gml:MultiGeometryType

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type extension of `gml:AbstractGeometricAggregateType`

Type	Attributes	QName	Type	Use
		<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
		<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
		<code>gml:id</code>	ID	required
			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
		<code>srsDimension</code>	positiveInteger	optional
		<code>srsName</code>	anyURI	optional
		<code>uomLabels</code>	<code>gml:NCNameList</code>	optional

Complex Type `gml:Geometry.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>A geometric property may either be any geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same or another document). Note that either the reference or the contained element shall be given, but not both or none. If a feature has a property that takes a geometry element as its value, this is called a geometry property. A generic type for such a geometry property is <code>Geometry.PropertyType</code>.</p>				
Diagram	<p>The diagram shows the <code>Geometry.PropertyType</code> class with three attributes. <code>gml:AssociationAttributeGroup</code> is associated with a note about XLink components. <code>gml:OwnershipAttributeGroup</code> is associated with a note about encoding inline vs. by-reference. <code>gml:AbstractGeometry</code> is associated with a note about being the abstract head of the substitution group for all geometry elements of GML.</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

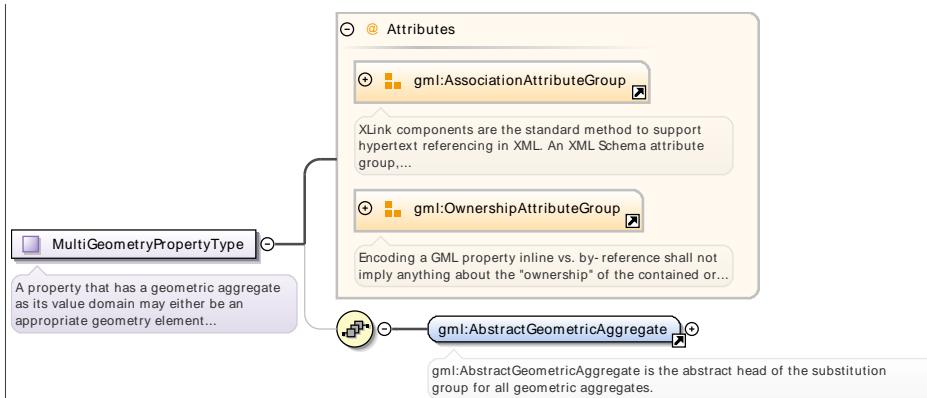
Complex Type `gml:Geometry.Array.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>If a feature has a property which takes an array of geometry elements as its value, this is called a geometry array property. A generic type for such a geometry property is <code>Geometry.Array.PropertyType</code>. The elements are always contained inline in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.</p>				
Diagram	<p>The diagram shows the <code>Geometry.Array.PropertyType</code> class with two attributes. <code>gml:OwnershipAttributeGroup</code> is associated with a note about encoding inline vs. by-reference. <code>gml:AbstractGeometry</code> is associated with a note about being the abstract head of the substitution group for all geometry elements of GML.</p>				
Attributes	QName	Type	Default	Use	
	<code>owns</code>	boolean	false	optional	

Complex Type `gml:MultiGeometry.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<p>A property that has a geometric aggregate as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.</p>				

Diagram



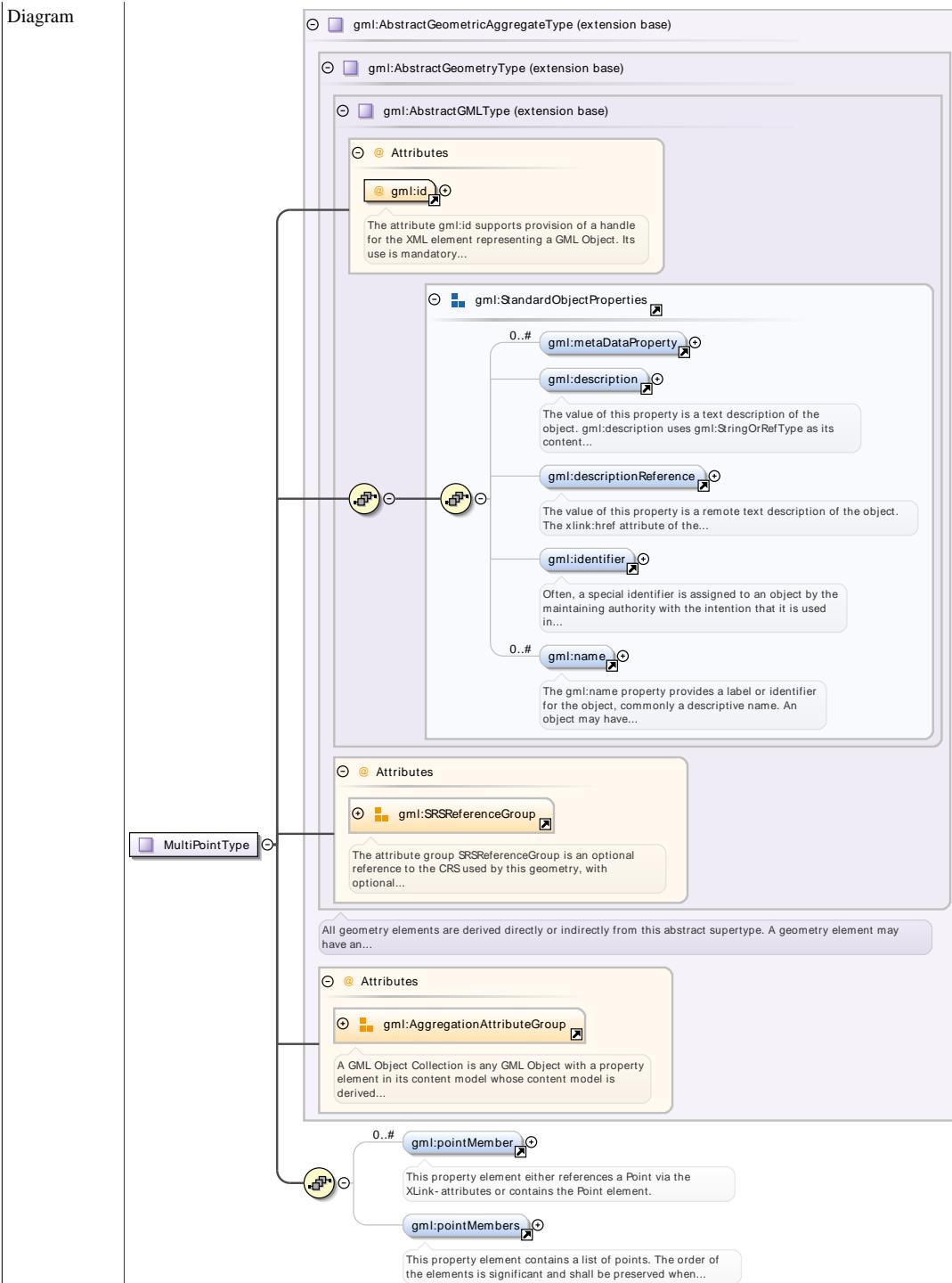
Attributes

QName	Type	Fixed	Default	Use
gml:remoteSchema	anyURI			optional
nilReason	gml:NilReasonType			optional
owns	boolean		false	optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Complex Type gml:MultiPointType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

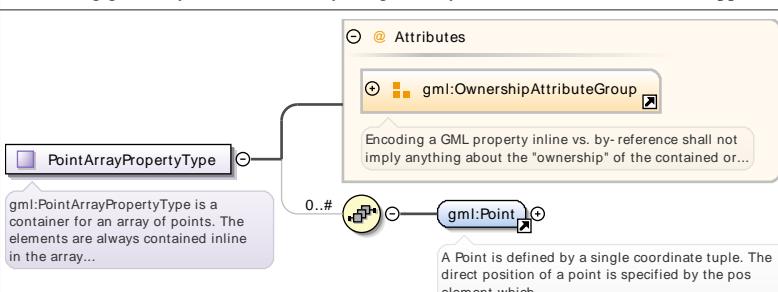
Diagram



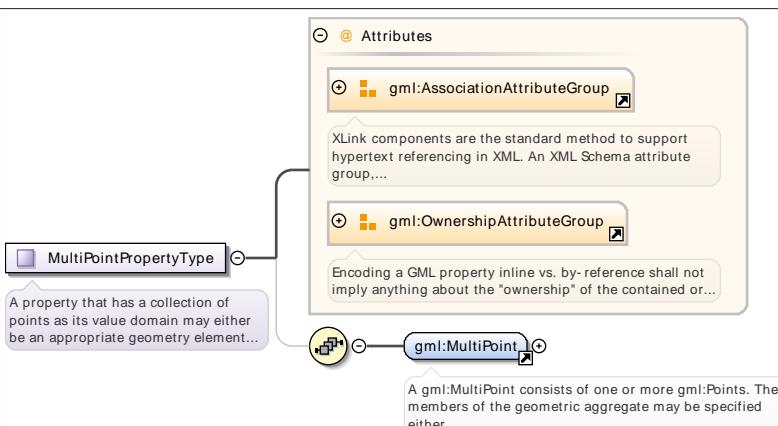
Type	extension of <code>gm1:AbstractGeometricAggregateType</code>
------	--------------------------------------------------------------

Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gm1:AggregationType</code>	optional
	<code>axisLabels</code>	<code>gm1:NCNameList</code>	optional
	<code>gm1:id</code>	ID	required
The attribute <code>gm1:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	<code>srsDimension</code>	<code>positiveInteger</code>	optional
	<code>srsName</code>	<code>anyURI</code>	optional
	<code>uomLabels</code>	<code>gm1:NCNameList</code>	optional

Complex Type `gml:PointArrayPropertyType`

Namespace	http://www.opengis.net/gml/3.2											
Annotations	gml:PointArrayPropertyType is a container for an array of points. The elements are always contained inline in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.											
Diagram	 <p>gml:PointArrayPropertyType is a container for an array of points. The elements are always contained inline in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.</p> <p>gml:Point is defined by a single coordinate tuple. The direct position of a point is specified by the pos element which...</p>											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>owns</code></td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	boolean	false	optional			
QName	Type	Default	Use									
<code>owns</code>	boolean	false	optional									

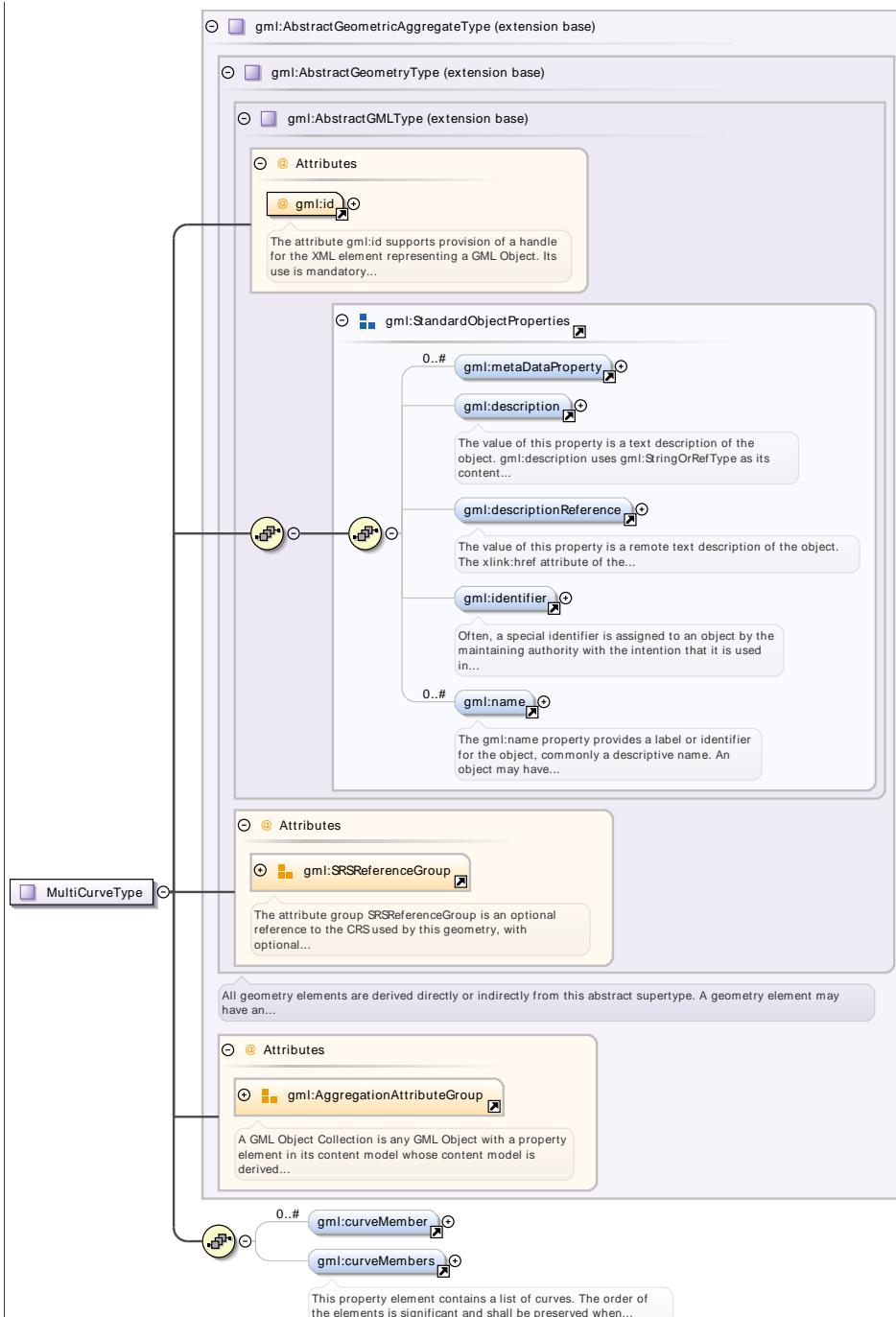
Complex Type `gml:MultiPointPropertyType`

Namespace	http://www.opengis.net/gml/3.2																																																										
Annotations	A property that has a collection of points as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.																																																										
Diagram	 <p>A property that has a collection of points as its value domain may either be an appropriate geometry element...</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...</p> <p>Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...</p> <p>A gml:MultiPoint consists of one or more gml:Points. The members of the geometric aggregate may be specified either...</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><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	gml:NilReasonType			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	xlink:actuateType			optional	<code>xlink:arcrole</code>	xlink:arcroleType			optional	<code>xlink:href</code>	xlink:hrefType			optional	<code>xlink:role</code>	xlink:roleType			optional	<code>xlink:show</code>	xlink:showType			optional	<code>xlink:title</code>	xlink:titleAttrType			optional	<code>xlink:type</code>	xlink:typeType	simple		optional			
QName	Type	Fixed	Default	Use																																																							
<code>gml:remoteSchema</code>	anyURI			optional																																																							
<code>nilReason</code>	gml:NilReasonType			optional																																																							
<code>owns</code>	boolean		false	optional																																																							
<code>xlink:actuate</code>	xlink:actuateType			optional																																																							
<code>xlink:arcrole</code>	xlink:arcroleType			optional																																																							
<code>xlink:href</code>	xlink:hrefType			optional																																																							
<code>xlink:role</code>	xlink:roleType			optional																																																							
<code>xlink:show</code>	xlink:showType			optional																																																							
<code>xlink:title</code>	xlink:titleAttrType			optional																																																							
<code>xlink:type</code>	xlink:typeType	simple		optional																																																							

Complex Type `gml:MultiCurveType`

Namespace	http://www.opengis.net/gml/3.2			
-----------	--------------------------------	--	--	--

Diagram



Type	extension of <code>gml:AbstractGeometricAggregateType</code>
------	--------------------------------------------------------------

Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	ID	required
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	<code>srsDimension</code>	<code>positiveInteger</code>	optional
	<code>srsName</code>	<code>anyURI</code>	optional
	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional

Complex Type `gml:Curve.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A property that has a curve as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.				
Diagram	<p>A property that has a curve as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

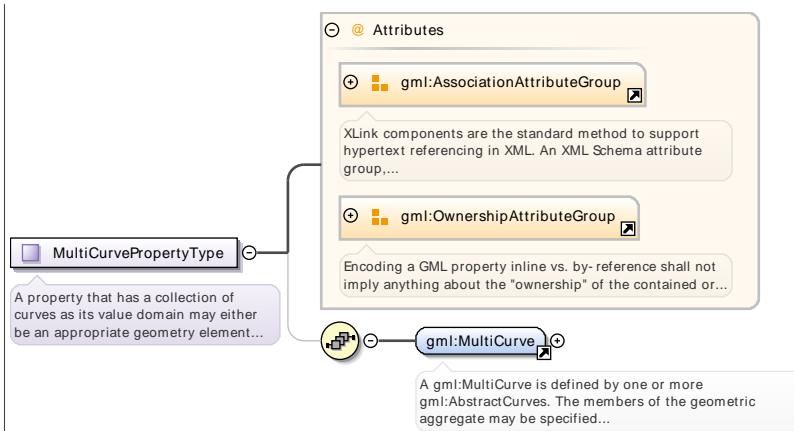
Complex Type `gml:Curve.Array.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A container for an array of curves. The elements are always contained in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.				
Diagram	<p>A container for an array of curves. The elements are always contained in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.</p>				
Attributes	QName	Type	Default	Use	
	<code>owns</code>	boolean	false	optional	

Complex Type `gml:MultiCurve.PropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A property that has a collection of curves as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.				

Diagram



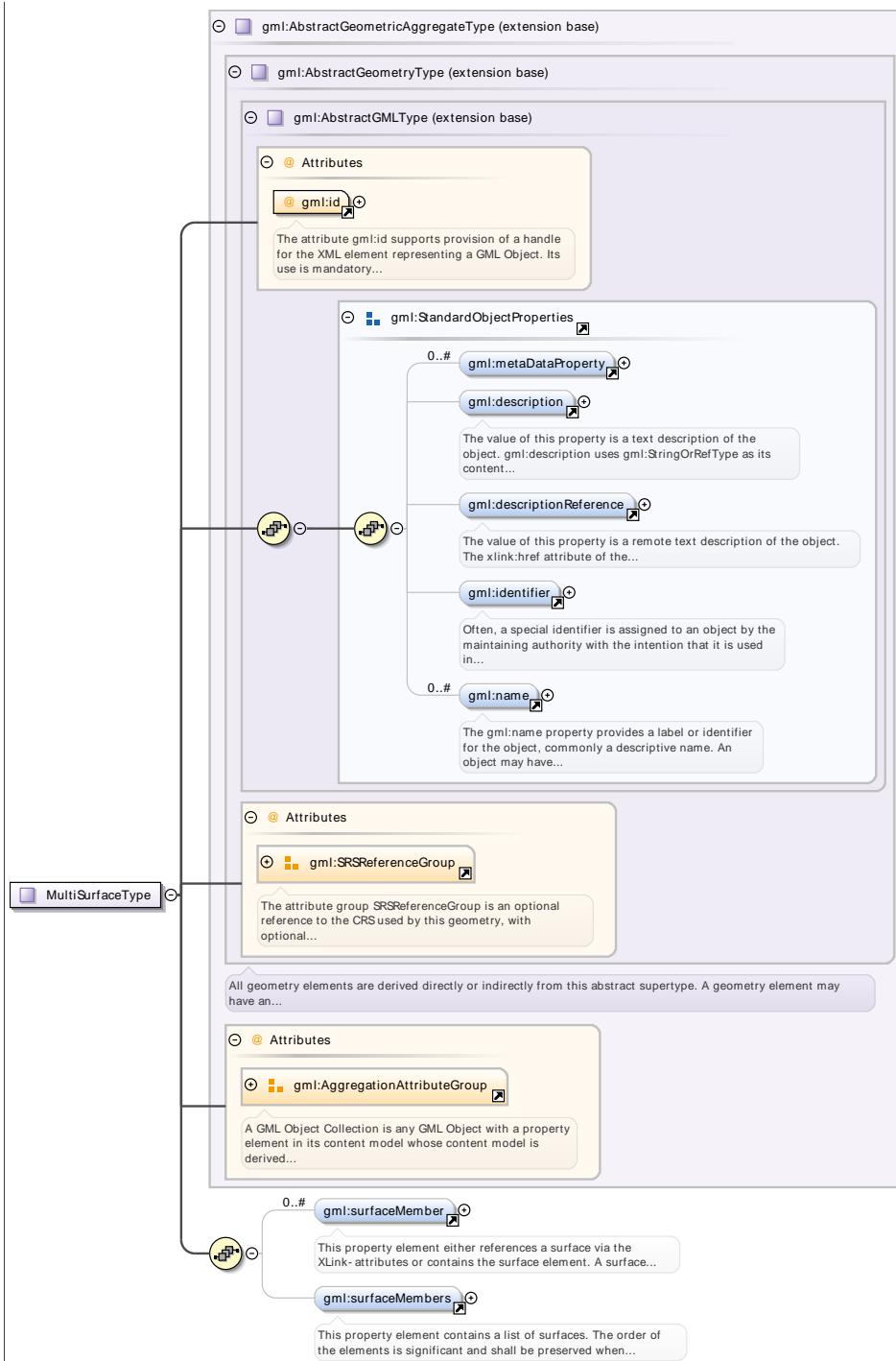
Attributes

QName	Type	Fixed	Default	Use	
gml:remoteSchema	anyURI			optional	
nilReason	gml:NilReasonType			optional	
owns	boolean		false	optional	
xlink:actuate	xlink:actuateType			optional	
xlink:arcrole	xlink:arcroleType			optional	
xlink:href	xlink:hrefType			optional	
xlink:role	xlink:roleType			optional	
xlink:show	xlink:showType			optional	
xlink:title	xlink:titleAttrType			optional	
xlink:type	xlink:typeType	simple		optional	

Complex Type **gml:MultiSurfaceType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of gml:AbstractGeometricAggregateType		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

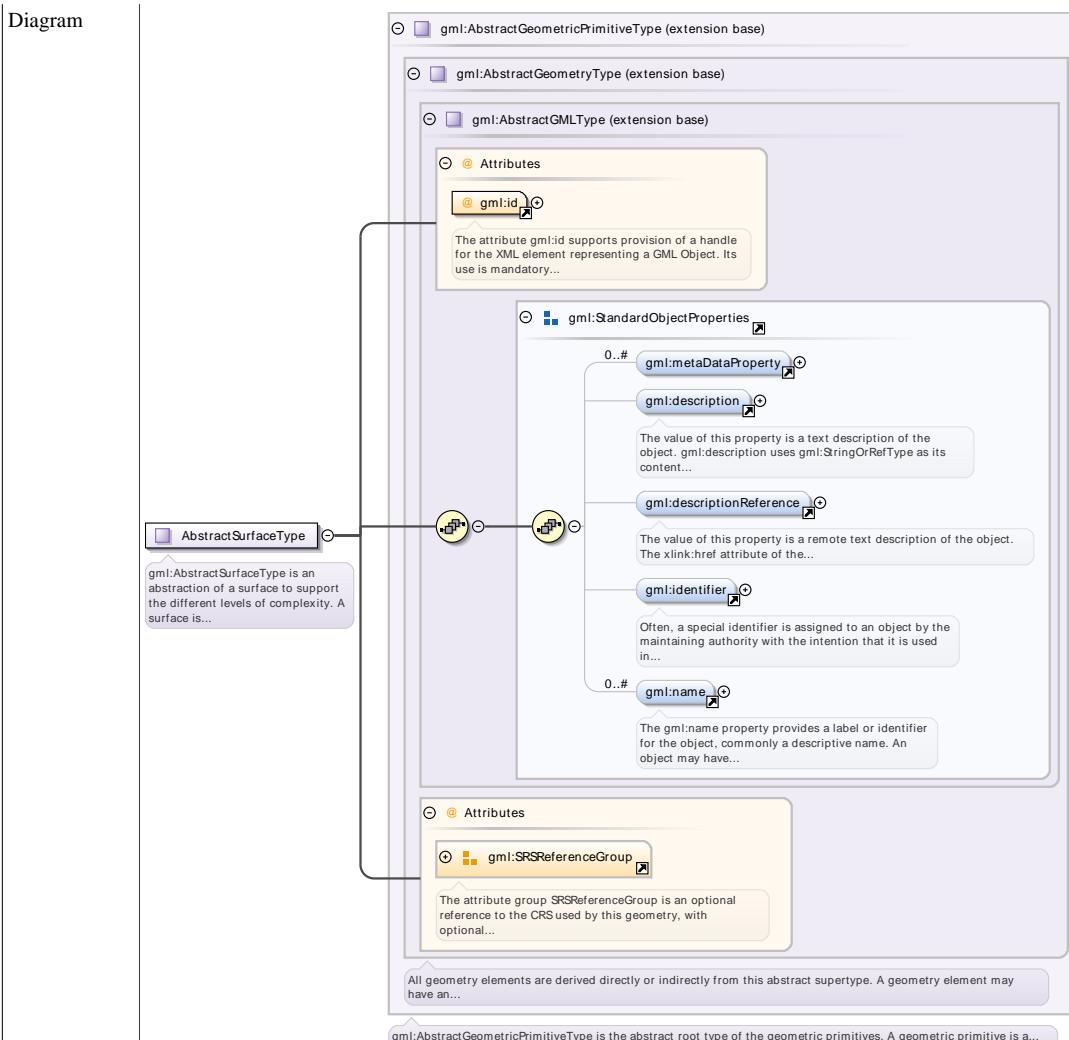
Complex Type `gml:SurfacePropertyType`

Namespace	http://www.opengis.net/gml/3.2																																																																							
Annotations	A property that has a surface as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.																																																																							
Diagram	<p>The diagram illustrates the structure of the <code>gml:SurfacePropertyType</code> complex type. It features a class box for <code>SurfacePropertyType</code> with an association line pointing to another class box for <code>gml:AbstractSurface</code>. The <code>gml:AbstractSurface</code> box is highlighted with a yellow border and contains the text: "The AbstractSurface element is the abstract head of the substitution group for all (continuous) surface elements." Above the <code>gml:AbstractSurface</code> box, there is a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,..." and another note: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or...".</p>																																																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> <td></td> </tr> </tbody> </table>						QName	Type	Fixed	Default	Use		<code>gml:remoteSchema</code>	anyURI			optional		<code>nilReason</code>	<code>gml:NilReasonType</code>			optional		<code>owns</code>	boolean		false	optional		<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional		<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional		<code>xlink:href</code>	<code>xlink:hrefType</code>			optional		<code>xlink:role</code>	<code>xlink:roleType</code>			optional		<code>xlink:show</code>	<code>xlink:showType</code>			optional		<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional		<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional	
QName	Type	Fixed	Default	Use																																																																				
<code>gml:remoteSchema</code>	anyURI			optional																																																																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																																																				
<code>owns</code>	boolean		false	optional																																																																				
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																																																				
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																																				
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																																																				
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																																																				
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																																																				
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																																																				
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																																				

Complex Type `gml:AbstractSurfaceType`

Namespace	http://www.opengis.net/gml/3.2					
Annotations	gml:AbstractSurfaceType is an abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.					

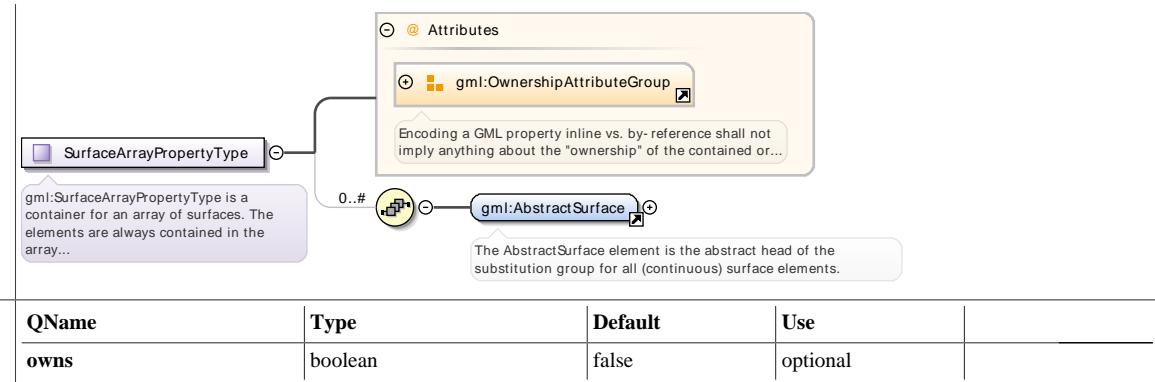
Diagram



Type	extension of gml:AbstractGeometricPrimitiveType		
Properties	abstract: true		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type **gml:SurfaceArrayPropertyType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:SurfaceArrayPropertyType is a container for an array of surfaces. The elements are always contained in the array property, referencing geometry elements or arrays of geometry elements via XLinks is not supported.

Diagram									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

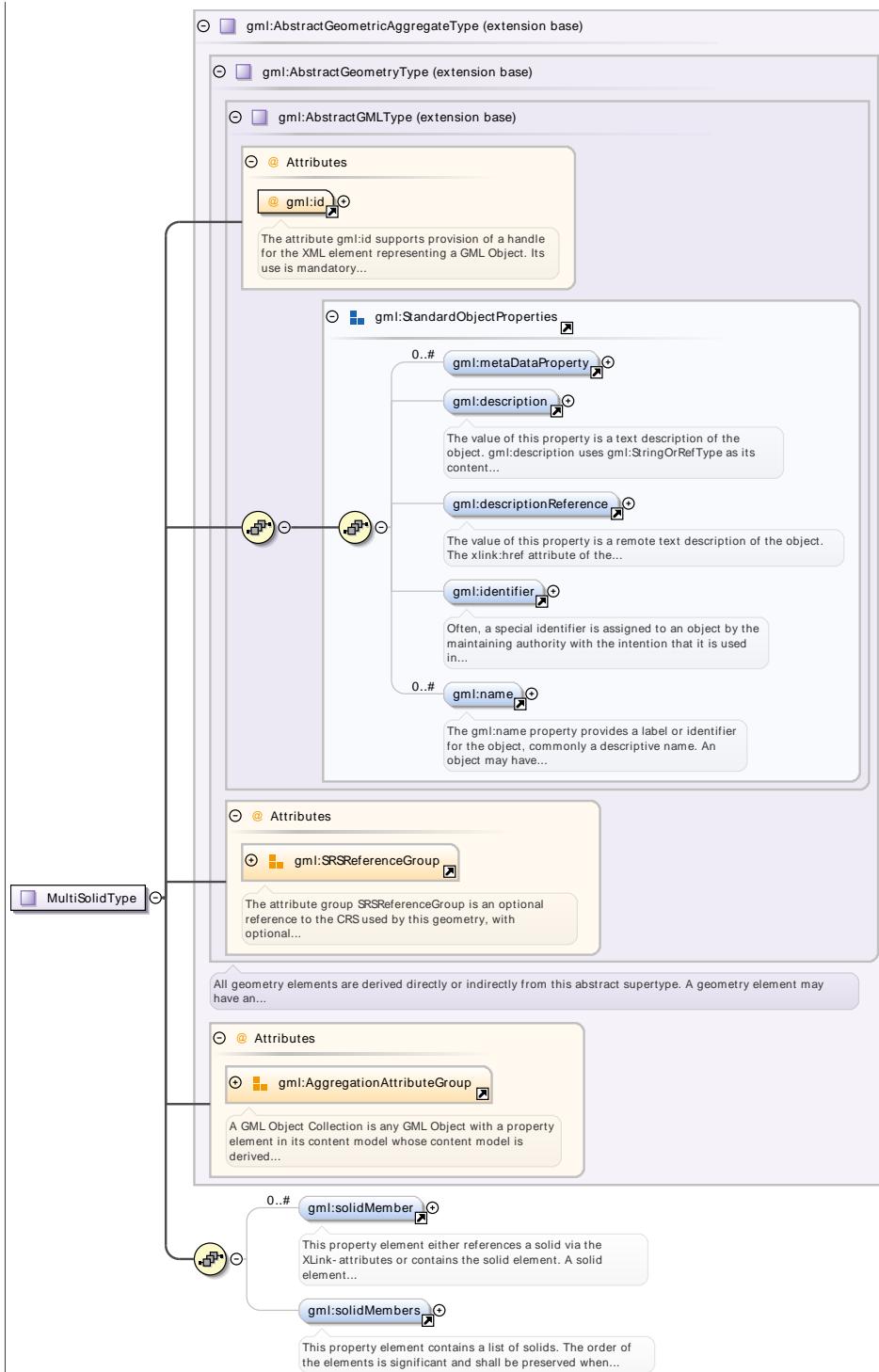
Complex Type **gml:MultiSurfacePropertyType**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	A property that has a collection of surfaces as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:MultiSolidType**

Namespace	http://www.opengis.net/gml/3.2
------------------	--------------------------------

Diagram



Type extension of `gml:AbstractGeometricAggregateType`

Type	Attributes	QName	Type	Use
	aggregationType	<code>gml:AggregationType</code>	optional	
	axisLabels	<code>gml:NCNameList</code>	optional	
	gml:id	ID	required	
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	

QName	Type	Use
uomLabels	gml:NCNameList	optional

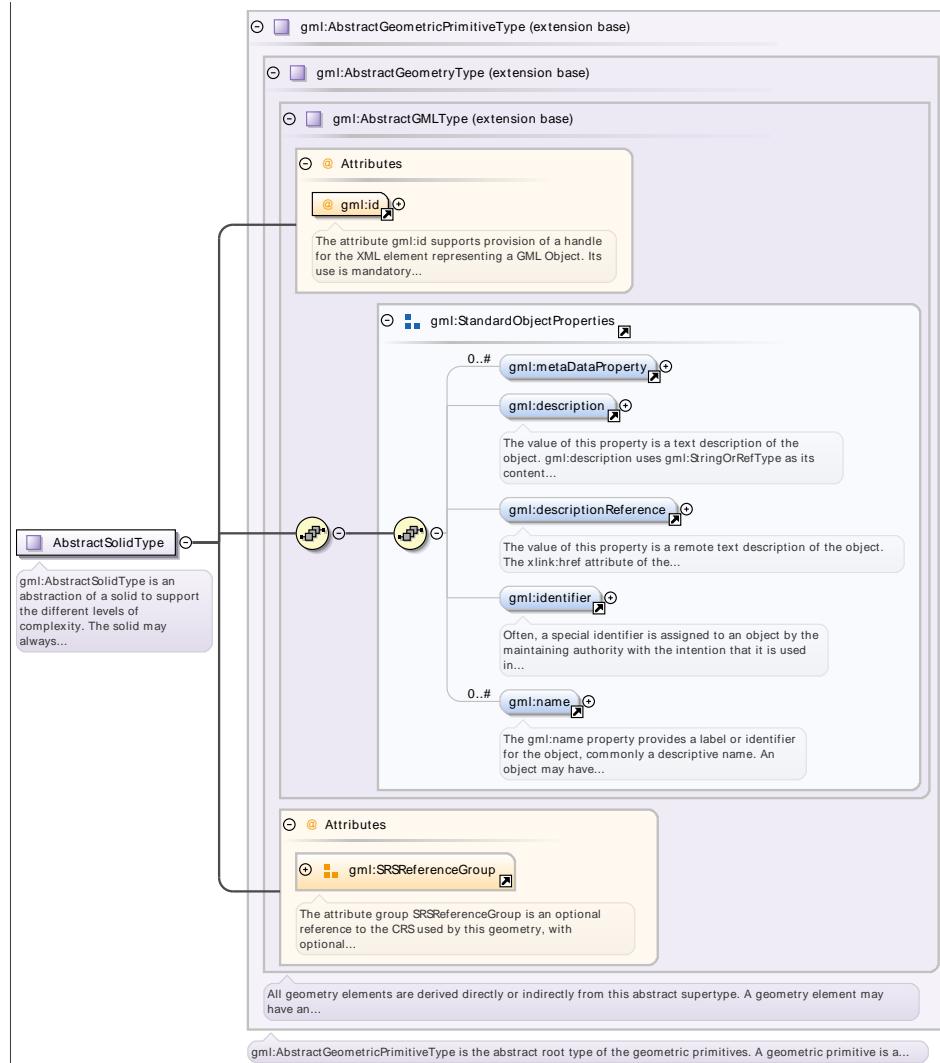
Complex Type **gml:Solid.PropertyType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A property that has a solid as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.				
Diagram	<p>The diagram illustrates the structure of the gml:Solid.PropertyType complex type. It is derived from gml:AbstractSolid (indicated by a solid line with a diamond symbol). The gml:AbstractSolid type is the abstract head of the substitution group for all (continuous) solid elements. The gml:Solid.PropertyType type also contains attributes from the gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup, which are part of the gml:Attributes group. The gml:AssociationAttributeGroup is described as supporting hypertext referencing in XML, while the gml:OwnershipAttributeGroup is described as encoding a GML property inline vs. by-reference.</p>				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Complex Type **gml:AbstractSolidType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:AbstractSolidType is an abstraction of a solid to support the different levels of complexity. The solid may always be viewed as a geometric primitive, i.e. is contiguous.				

Diagram



Type extension of **gml:AbstractGeometricPrimitiveType**

Type	Attributes	QName	Type	Use
		axisLabels	gml:NCNameList	optional
		gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
		srsDimension	positiveInteger	optional
		srsName	anyURI	optional
		uomLabels	gml:NCNameList	optional

Complex Type **gml:SolidArrayType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:SolidArrayType is a container for an array of solids. The elements are always contained in the array property, referencing geometry elements or arrays of geometry elements is not supported.

Diagram									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

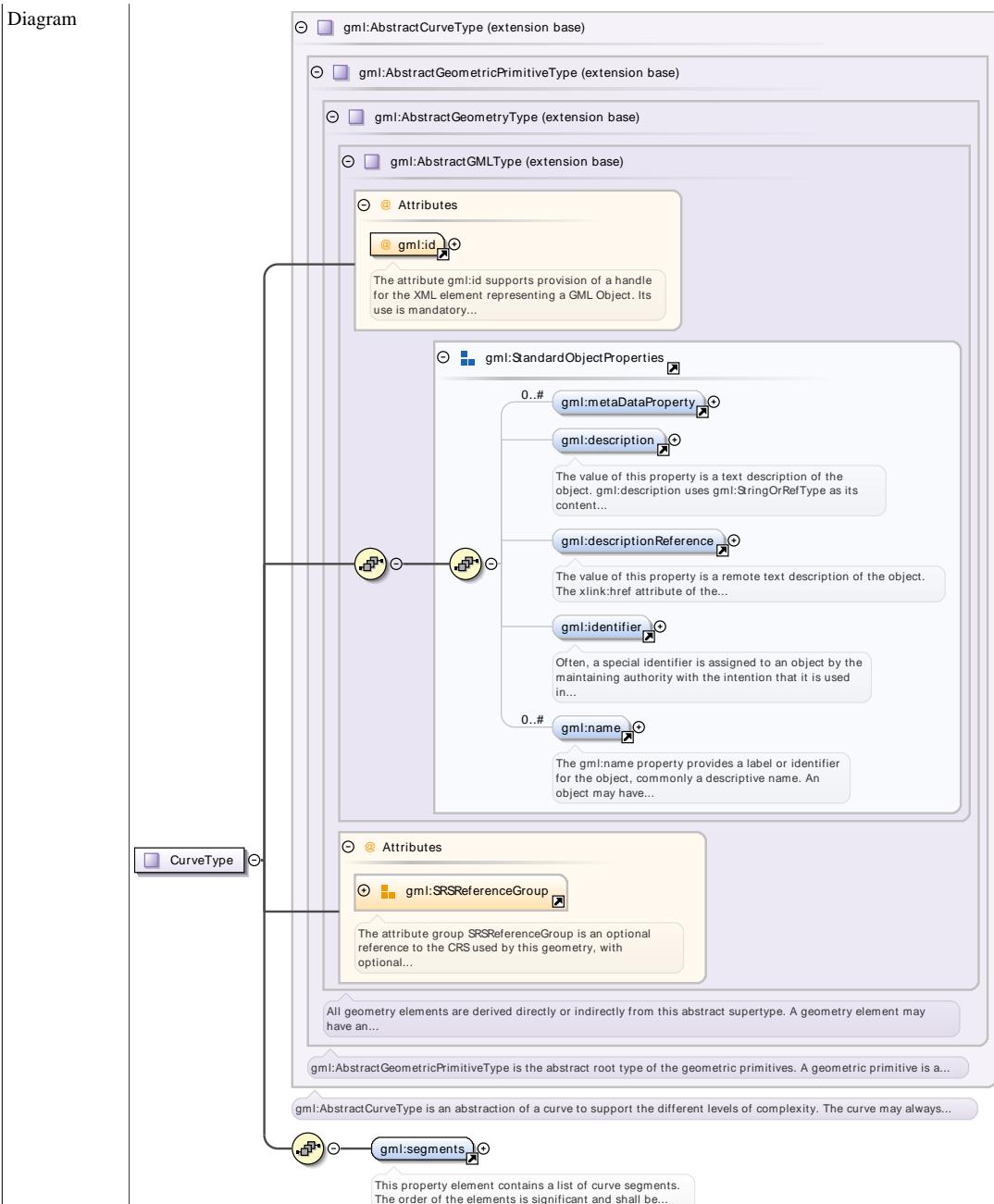
Complex Type **gml:MultiSolidPropertyType**

Namespace	http://www.opengis.net/gml/3.2																																																							
Annotations	A property that has a collection of solids as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.																																																							
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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:CurveType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

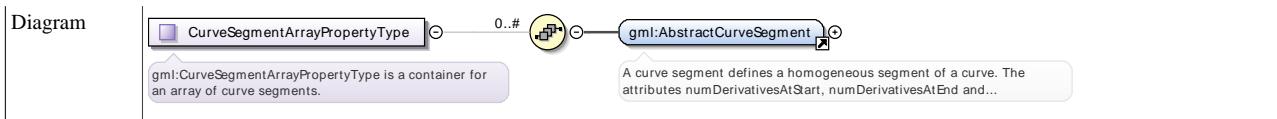
Diagram



Type	extension of <code>gml:AbstractCurveType</code>		
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	ID	required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	<code>srsDimension</code>	<code>positiveInteger</code>	optional
	<code>srsName</code>	<code>anyURI</code>	optional
	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional

Complex Type `gml:CurveSegmentArrayPropertyType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:CurveSegmentArrayPropertyType</code> is a container for an array of curve segments.



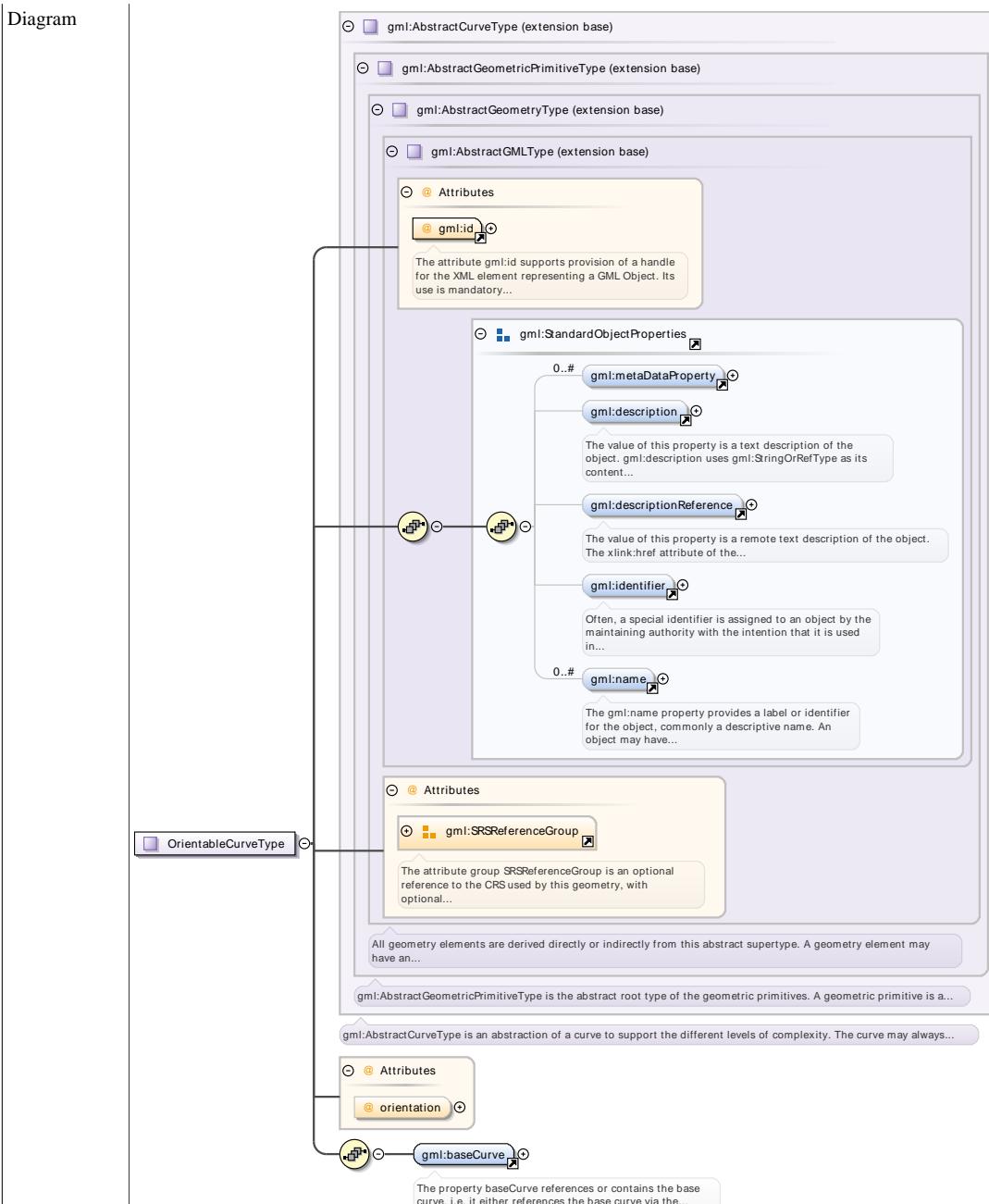
Complex Type **gml:AbstractCurveSegmentType**

Namespace	http://www.opengis.net/gml/3.2																			
Diagram	<p>AbstractCurveSegmentType has attributes: numDerivativesAtStart, numDerivativesAtEnd, and numDerivativeInterior.</p>																			
Properties	abstract: true																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td>0</td> <td>optional</td> </tr> </tbody> </table>				QName	Type	Default	Use	numDerivativeInterior	integer	0	optional	numDerivativesAtEnd	integer	0	optional	numDerivativesAtStart	integer	0	optional
QName	Type	Default	Use																	
numDerivativeInterior	integer	0	optional																	
numDerivativesAtEnd	integer	0	optional																	
numDerivativesAtStart	integer	0	optional																	

Complex Type **gml:OrientableCurveType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

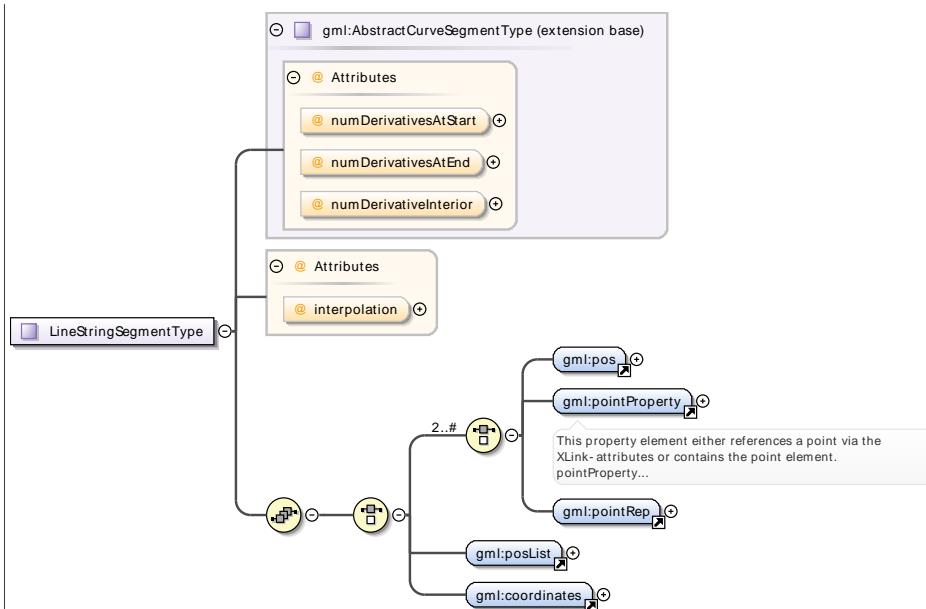


Type	extension of <code>gml:AbstractCurveType</code>			
Attributes	QName	Type	Default	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>		optional
	<code>gml:id</code>	ID		required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	<code>orientation</code>	<code>gml:SignType</code>	+	optional
	<code>srsDimension</code>	<code>positiveInteger</code>		optional
	<code>srsName</code>	<code>anyURI</code>		optional
	<code>uomLabels</code>	<code>gml:NCNameList</code>		optional

Complex Type `gml:LineStringSegmentType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type

extension of gm1:AbstractCurveSegmentType

Attributes

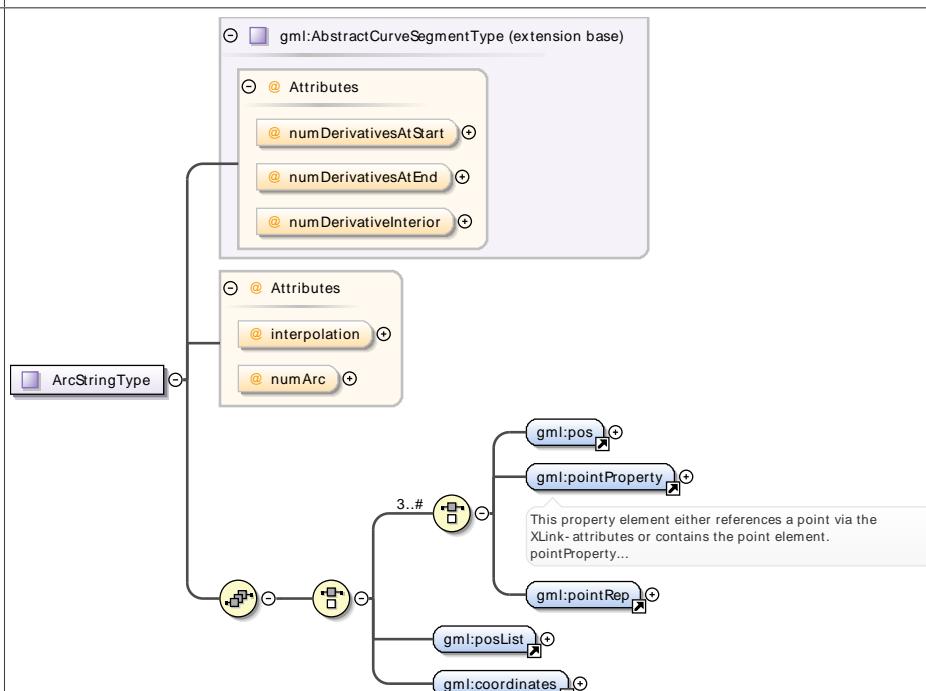
QName	Type	Fixed	Default	Use
interpolation	gm1:CurveInterpolationType	linear		optional
numDerivativeInterior	integer		0	optional
numDerivativesAtEnd	integer		0	optional
numDerivativesAtStart	integer		0	optional

Complex Type gm1:ArcStringType

Namespace

http://www.opengis.net/gml/3.2

Diagram



Type

extension of gm1:AbstractCurveSegmentType

Attributes

QName	Type	Fixed	Default	Use
interpolation	gm1:CurveInterpolationType	circularArc3Points		optional
numArc	integer			optional

QName	Type	Fixed	Default	Use
numDerivativeInterior	integer		0	optional
numDerivativesAtEnd	integer		0	optional
numDerivativesAtStart	integer		0	optional

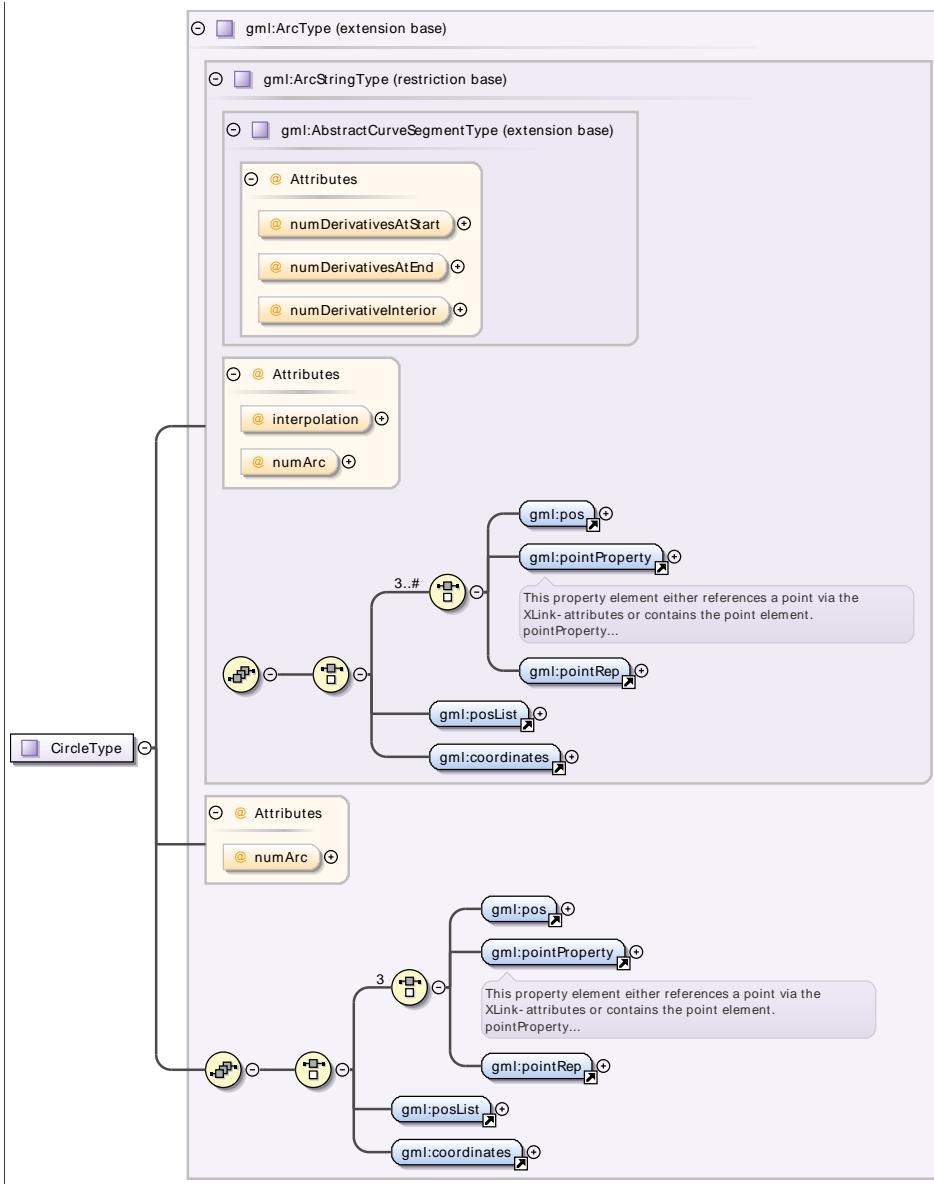
Complex Type **gml:ArcType**

Namespace	http://www.opengis.net/gml/3.2																														
Diagram	<p>The diagram illustrates the structure of the gml:ArcType complex type. It is a restriction of gml:ArcStringType (restriction base). It extends gml:AbstractCurveSegmentType (extension base). The type has attributes: numDerivativesAtStart, numDerivativesAtEnd, numDerivativeInterior, interpolation, and numArc. It also includes associations with gml:pos, gml:pointProperty, gml:pointRep, gml:posList, and gml:coordinates. The gml:pointProperty and gml:coordinates associations are marked with a note: "This property element either references a point via the XLink-attributes or contains the point element. pointProperty...".</p>																														
Type	restriction of gml:ArcStringType																														
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>circularArc3Points</td> <td></td> <td>optional</td> </tr> <tr> <td>numArc</td> <td>integer</td> <td>1</td> <td></td> <td>optional</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	circularArc3Points		optional	numArc	integer	1		optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																											
interpolation	gml:CurveInterpolationType	circularArc3Points		optional																											
numArc	integer	1		optional																											
numDerivativeInterior	integer		0	optional																											
numDerivativesAtEnd	integer		0	optional																											
numDerivativesAtStart	integer		0	optional																											

Complex Type **gml:CircleType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of gml:ArcType
------	---------------------------------

Attributes	QName	Type	Fixed	Default	Use
	interpolation	gml:CurveInterpolationType	circularArc3Points		optional
	numArc	integer	1		optional
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Complex Type **gml:ArcStringByBulgeType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>The diagram illustrates the structure of the <code>ArcStringByBulgeType</code> complex type. It is an extension of <code>gml:AbstractCurveSegmentType</code>. The type has attributes <code>interpolation</code> and <code>numArc</code>. It features a sequence of <code>gml:pos</code> elements, which can either reference a point via <code>XLink</code> attributes or contain a <code>gml:pointProperty</code> element. This is indicated by a callout box: "This property element either references a point via the XLink attributes or contains the point element. pointProperty...". The sequence of <code>gml:pos</code> elements is associated with a <code>gml:pointRep</code> element. The <code>gml:pos</code> elements are associated with a <code>gml:posList</code> element, which in turn is associated with a <code>gml:coordinates</code> element. There are also associations for <code>bulge</code> and <code>normal</code> elements.</p>																														
Type	extension of <code>gml:AbstractCurveSegmentType</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:CurveInterpolationType</code></td><td></td><td><code>circularArc2PointWithBulge</code></td><td>optional</td></tr> <tr> <td><code>numArc</code></td><td>integer</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>numDerivativeInterior</code></td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td><code>numDerivativesAtEnd</code></td><td>integer</td><td></td><td>0</td><td>optional</td></tr> <tr> <td><code>numDerivativesAtStart</code></td><td>integer</td><td></td><td>0</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>		<code>circularArc2PointWithBulge</code>	optional	<code>numArc</code>	integer			optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional	<code>numDerivativesAtStart</code>	integer		0	optional
QName	Type	Fixed	Default	Use																											
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>		<code>circularArc2PointWithBulge</code>	optional																											
<code>numArc</code>	integer			optional																											
<code>numDerivativeInterior</code>	integer		0	optional																											
<code>numDerivativesAtEnd</code>	integer		0	optional																											
<code>numDerivativesAtStart</code>	integer		0	optional																											

Complex Type `gml:VectorType`

Namespace	http://www.opengis.net/gml/3.2															
Annotations	For some applications the components of the position may be adjusted to yield a unit vector.															
Diagram	<p>The diagram illustrates the structure of the <code>VectorType</code> complex type. It is a restriction of <code>gml:DirectPositionType</code>. The type has an attribute group <code>SRSReferenceGroup</code>, which is an optional reference to the CRS used by this geometry, with optional...</p>															
Type	restriction of <code>gml:DirectPositionType</code>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td><td><code>gml:NCNameList</code></td><td>optional</td></tr> <tr> <td><code>srsDimension</code></td><td><code>positiveInteger</code></td><td>optional</td></tr> <tr> <td><code>srsName</code></td><td><code>anyURI</code></td><td>optional</td></tr> <tr> <td><code>uomLabels</code></td><td><code>gml:NCNameList</code></td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>srsDimension</code>	<code>positiveInteger</code>	optional	<code>srsName</code>	<code>anyURI</code>	optional	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional
QName	Type	Use														
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional														
<code>srsDimension</code>	<code>positiveInteger</code>	optional														
<code>srsName</code>	<code>anyURI</code>	optional														
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional														

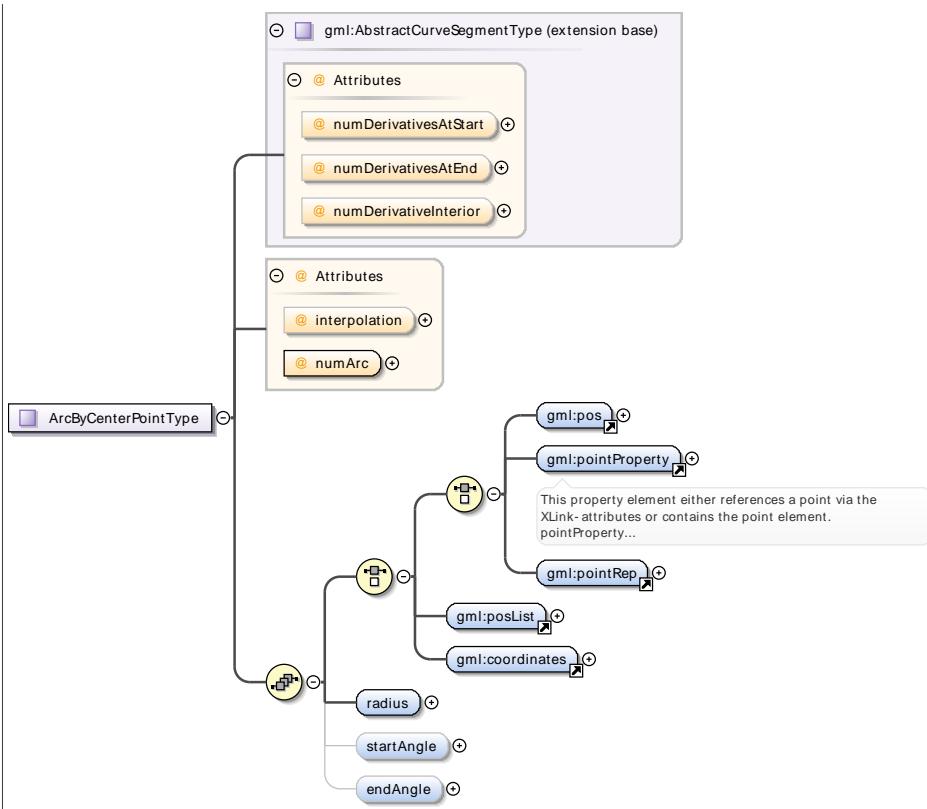
Complex Type `gml:ArcByBulgeType`

Namespace	http://www.opengis.net/gml/3.2																														
Diagram	<p>The diagram illustrates the structure of the <code>gml:ArcByBulgeType</code> complex type. It is a restriction of <code>gml:ArcStringByBulgeType</code> and extends <code>gml:AbstractCurveSegmentType</code>. The type includes attributes <code>interpolation</code> and <code>numArc</code>. It features two <code>gml:pos</code> elements, each associated with <code>gml:pointProperty</code> and <code>gml:pointRep</code>. These properties either reference a point via XLink attributes or contain a <code>point</code> element. The type also includes <code>gml:posList</code> and <code>gml:coordinates</code> elements. Bulge and normal vectors are also part of the structure.</p>																														
Type	restriction of <code>gml:ArcStringByBulgeType</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:CurveInterpolationType</code></td> <td><code>circularArc2PointWithBulge</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>numArc</code></td> <td>integer</td> <td>1</td> <td></td> <td>optional</td> </tr> <tr> <td><code>numDerivativeInterior</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtEnd</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtStart</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc2PointWithBulge</code>		optional	<code>numArc</code>	integer	1		optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional	<code>numDerivativesAtStart</code>	integer		0	optional
QName	Type	Fixed	Default	Use																											
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc2PointWithBulge</code>		optional																											
<code>numArc</code>	integer	1		optional																											
<code>numDerivativeInterior</code>	integer		0	optional																											
<code>numDerivativesAtEnd</code>	integer		0	optional																											
<code>numDerivativesAtStart</code>	integer		0	optional																											

Complex Type `gml:ArcByCenterPointType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type

extension of `gml:AbstractCurveSegmentType`

Attributes

QName	Type	Fixed	Default	Use
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>		<code>circularArcCenterPointWithRadius</code>	optional
<code>numArc</code>	integer	1		required
<code>numDerivativeInterior</code>	integer		0	optional
<code>numDerivativesAtEnd</code>	integer		0	optional
<code>numDerivativesAtStart</code>	integer		0	optional

Complex Type `gml:LengthType`

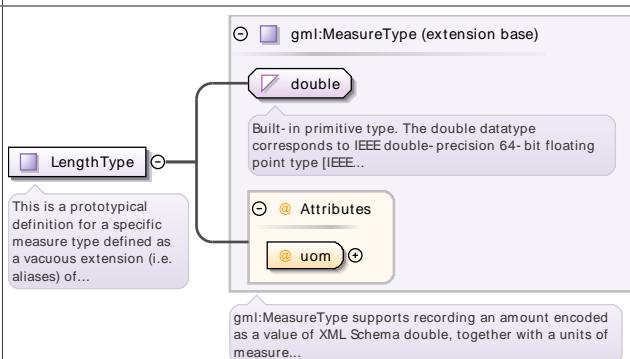
Namespace

<http://www.opengis.net/gml/3.2>

Annotations

This is a prototypical definition for a specific measure type defined as a vacuous extension (i.e. aliases) of `gml:MeasureType`. In this case, the content model supports the description of a length (or distance) quantity, with its units. The unit of measure referenced by `uom` shall be suitable for a length, such as metres or feet.

Diagram



Type

extension of `gml:MeasureType`

Attributes

QName	Type	Use
<code>uom</code>	<code>gml:UomIdentifier</code>	required

Complex Type `gml:MeasureType`

Namespace	http://www.opengis.net/gml/3.2								
Annotations	gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure indicated by an attribute uom, short for "units Of measure". The value of the uom attribute identifies a reference system for the amount, usually a ratio or interval scale.								
Diagram	<p>The diagram illustrates the structure of the <code>gml:MeasureType</code> complex type. It shows <code>gml:MeasureType</code> inheriting from <code>double</code> (indicated by a line with a diamond symbol) and having an attribute <code>uom</code> (indicated by a line with a circle symbol). A callout box provides a detailed description of the <code>double</code> type, stating it is a built-in primitive type corresponding to IEEE double-precision 64-bit floating point type (IEEE...). Another callout box for the <code>uom</code> attribute describes it as supporting recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>								
Type	extension of double								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required		
QName	Type	Use							
<code>uom</code>	<code>gml:UomIdentifier</code>	required							

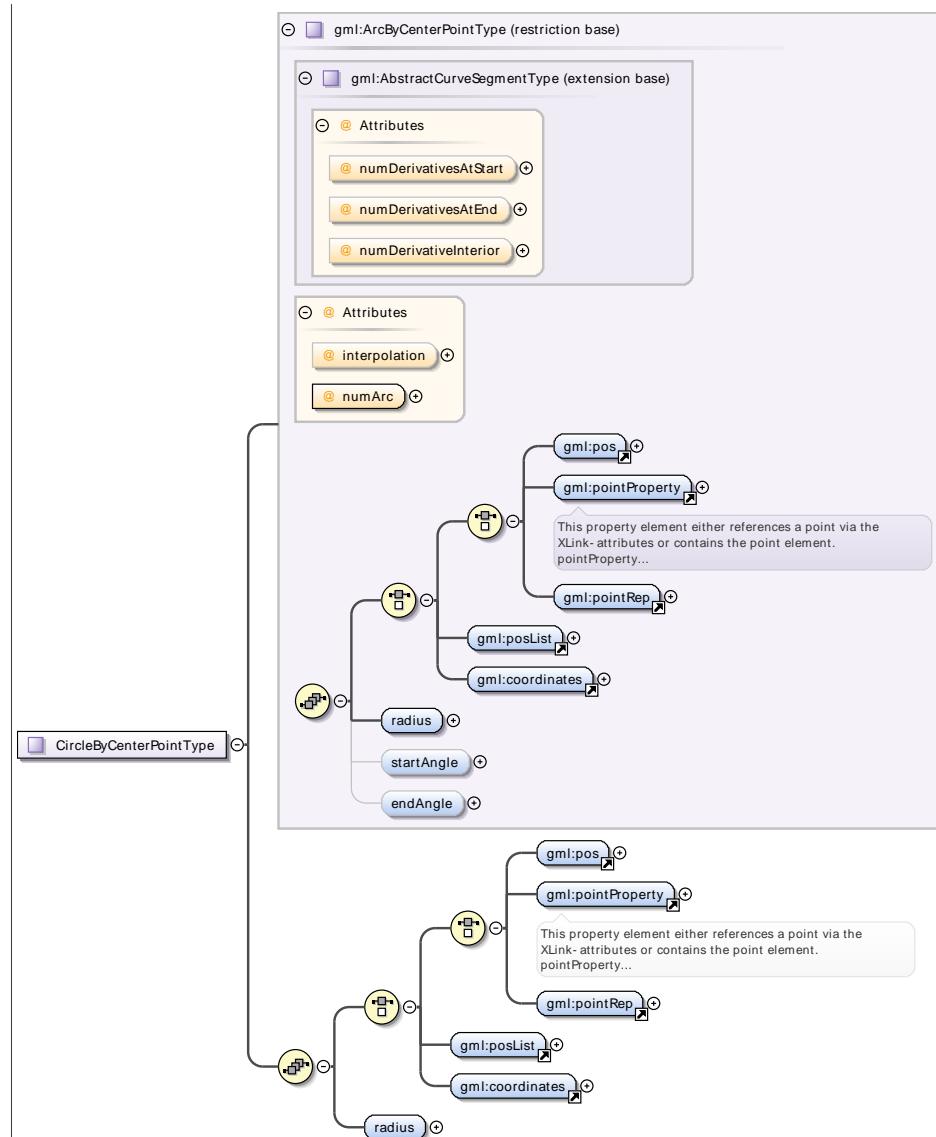
Complex Type `gml:AngleType`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<p>The diagram illustrates the structure of the <code>gml:AngleType</code> complex type. It shows <code>gml:AngleType</code> inheriting from <code>gml:MeasureType</code> (indicated by a line with a diamond symbol) and having an attribute <code>uom</code> (indicated by a line with a circle symbol). A callout box for the <code>gml:MeasureType</code> base type provides a detailed description of the <code>double</code> type, stating it is a built-in primitive type corresponding to IEEE double-precision 64-bit floating point type (IEEE...). Another callout box for the <code>uom</code> attribute describes it as supporting recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>								
Type	extension of <code>gml:MeasureType</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>uom</code>	<code>gml:UomIdentifier</code>	required		
QName	Type	Use							
<code>uom</code>	<code>gml:UomIdentifier</code>	required							

Complex Type `gml:CircleByCenterPointType`

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram



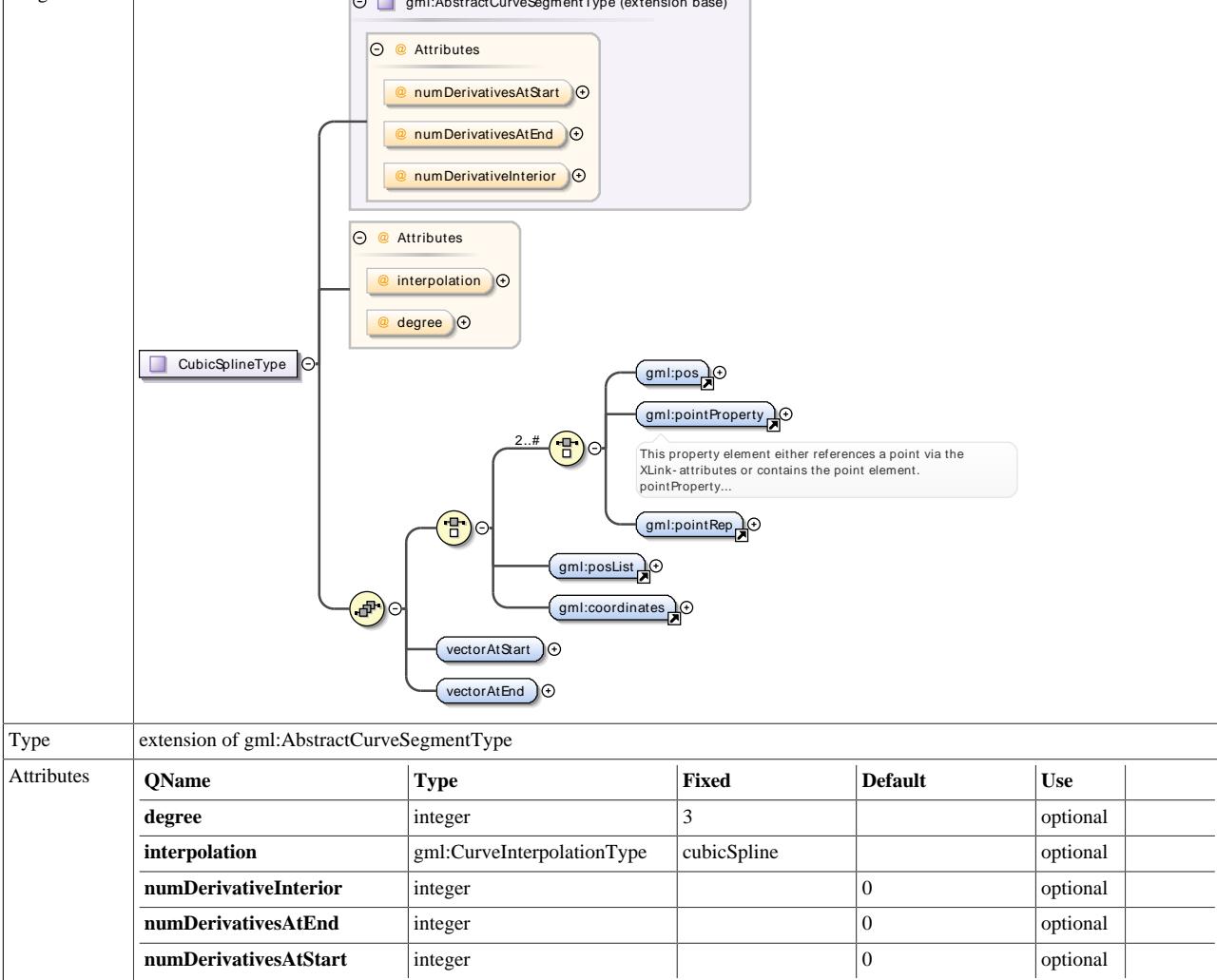
Type restriction of `gml:ArcByCenterPointType`

Attributes	QName	Type	Fixed	Default	Use
	interpolation	<code>gml:CurveInterpolationType</code>		<code>circularArcCenterPointWithRadius</code>	optional
	numArc	integer	1		required
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Complex Type `gml:CubicSplineType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



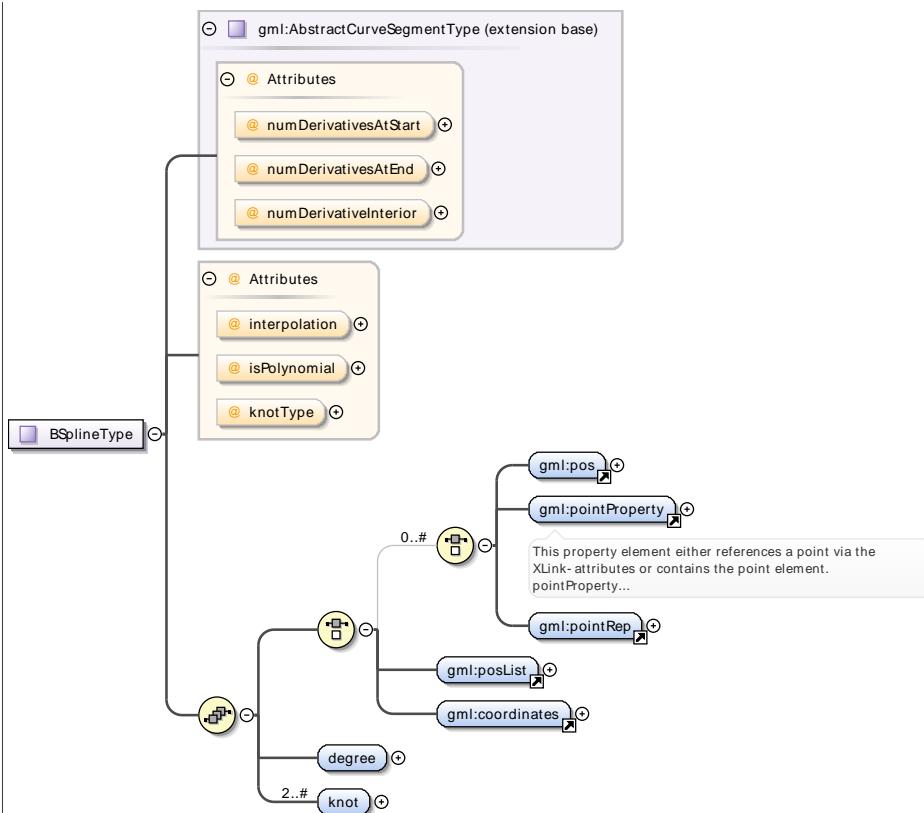
Type extension of `gml:AbstractCurveSegmentType`

Attributes	QName	Type	Fixed	Default	Use
	<code>degree</code>	integer	3		optional
	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	cubicSpline		optional
	<code>numDerivativeInterior</code>	integer		0	optional
	<code>numDerivativesAtEnd</code>	integer		0	optional
	<code>numDerivativesAtStart</code>	integer		0	optional

Complex Type `gml:BSplineType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

Type extension of `gml:AbstractCurveSegmentType`

Type	Attributes	QName	Type	Default	Use
		interpolation	<code>gml:CurveInterpolationType</code>	<code>polynomialSpline</code>	optional
		isPolynomial	boolean		optional
		knotType	<code>gml:KnotTypesType</code>		optional
		numDerivativeInterior	integer	0	optional
		numDerivativesAtEnd	integer	0	optional
		numDerivativesAtStart	integer	0	optional

Complex Type `gml:KnotPropertyType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:KnotPropertyType</code> encapsulates a knot to use it in a geometric type.
Diagram	

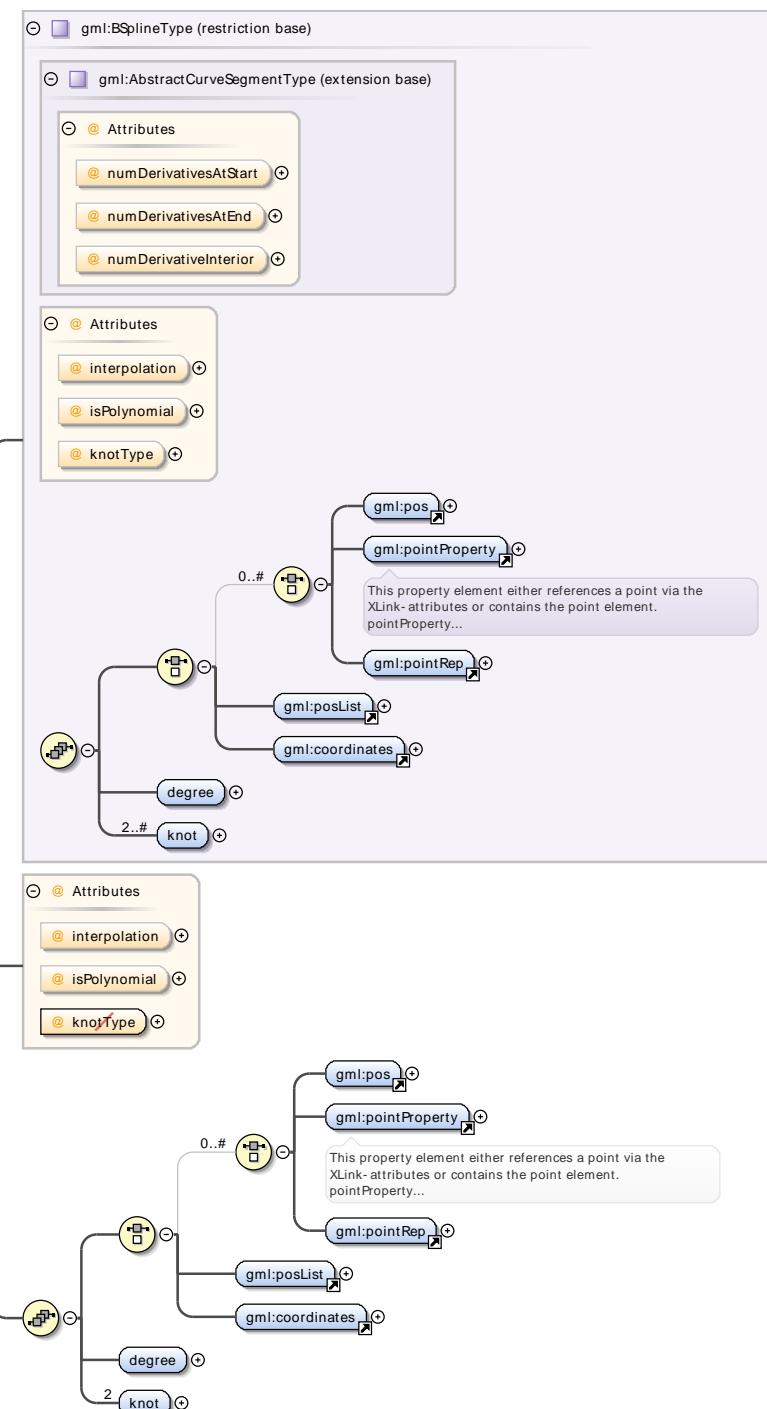
Complex Type `gml:KnotType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	

Complex Type `gml:BezierType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type restriction of **gml:BSplineType**

Attributes	QName	Type	Fixed	Default	Use
	interpolation	gml:CurveInterpolationType	polynomialSpline		optional
	isPolynomial	boolean	true		optional
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Complex Type **gml:OffsetCurveType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

```

classDiagram
    class OffsetCurveType {
        @ numDerivativeInterior
        @ numDerivativesAtEnd
        @ numDerivativesAtStart
        offsetBase
        distance
        refDirection
    }
    class OffsetCurveType {
        <|-- AbstractCurveSegmentType
    }
    class OffsetCurveType {
        <|-- AbstractCurveSegmentType
    }
    class OffsetCurveType {
        <|-- AbstractCurveSegmentType
    }

```

Type

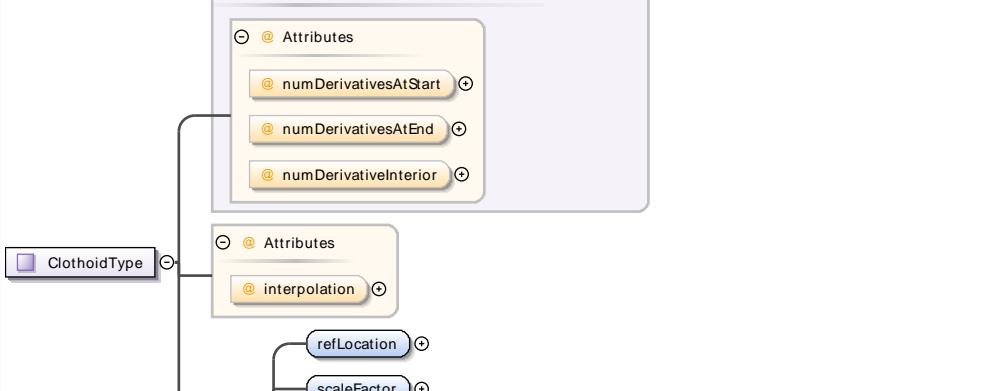
extension of `gml:AbstractCurveSegmentType`

Attributes	QName	Type	Default	Use
	numDerivativeInterior	integer	0	optional
	numDerivativesAtEnd	integer	0	optional
	numDerivativesAtStart	integer	0	optional

Complex Type `gml:AffinePlacementType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	

Complex Type gml:ClothoidType

Namespace	http://www.opengis.net/gml/3.2																									
Diagram	 <pre> classDiagram class ClothoidType { @ interpolation @ refLocation @ scaleFactor @ startParameter @ endParameter } class AbstractCurveSegmentType { @ numDerivativesAtStart @ numDerivativesAtEnd @ numDerivativeInterior } ClothoidType < -- AbstractCurveSegmentType </pre>																									
Type	extension of gml:AbstractCurveSegmentType																									
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>clothoid</td> <td></td> <td>optional</td> </tr> <tr> <td>numDerivativeInterior</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtEnd</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td>numDerivativesAtStart</td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	interpolation	gml:CurveInterpolationType	clothoid		optional	numDerivativeInterior	integer		0	optional	numDerivativesAtEnd	integer		0	optional	numDerivativesAtStart	integer		0	optional
QName	Type	Fixed	Default	Use																						
interpolation	gml:CurveInterpolationType	clothoid		optional																						
numDerivativeInterior	integer		0	optional																						
numDerivativesAtEnd	integer		0	optional																						
numDerivativesAtStart	integer		0	optional																						

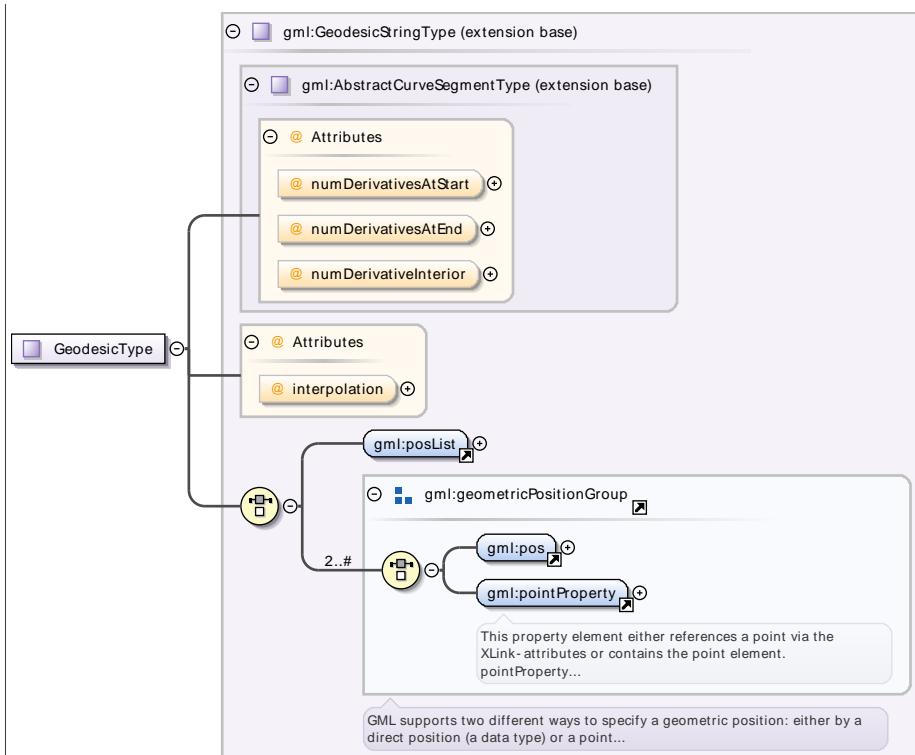
Complex Type `gml:GeodesicStringType`

Namespace	http://www.opengis.net/gml/3.2																													
Diagram																														
Type	extension of <code>gml:AbstractCurveSegmentType</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:CurveInterpolationType</code></td> <td>geodesic</td> <td></td> <td>optional</td> </tr> <tr> <td><code>numDerivativeInterior</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtEnd</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> <tr> <td><code>numDerivativesAtStart</code></td> <td>integer</td> <td></td> <td>0</td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	geodesic		optional	<code>numDerivativeInterior</code>	integer		0	optional	<code>numDerivativesAtEnd</code>	integer		0	optional	<code>numDerivativesAtStart</code>	integer		0	optional
QName	Type	Fixed	Default	Use																										
<code>interpolation</code>	<code>gml:CurveInterpolationType</code>	geodesic		optional																										
<code>numDerivativeInterior</code>	integer		0	optional																										
<code>numDerivativesAtEnd</code>	integer		0	optional																										
<code>numDerivativesAtStart</code>	integer		0	optional																										

Complex Type `gml:GeodesicType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

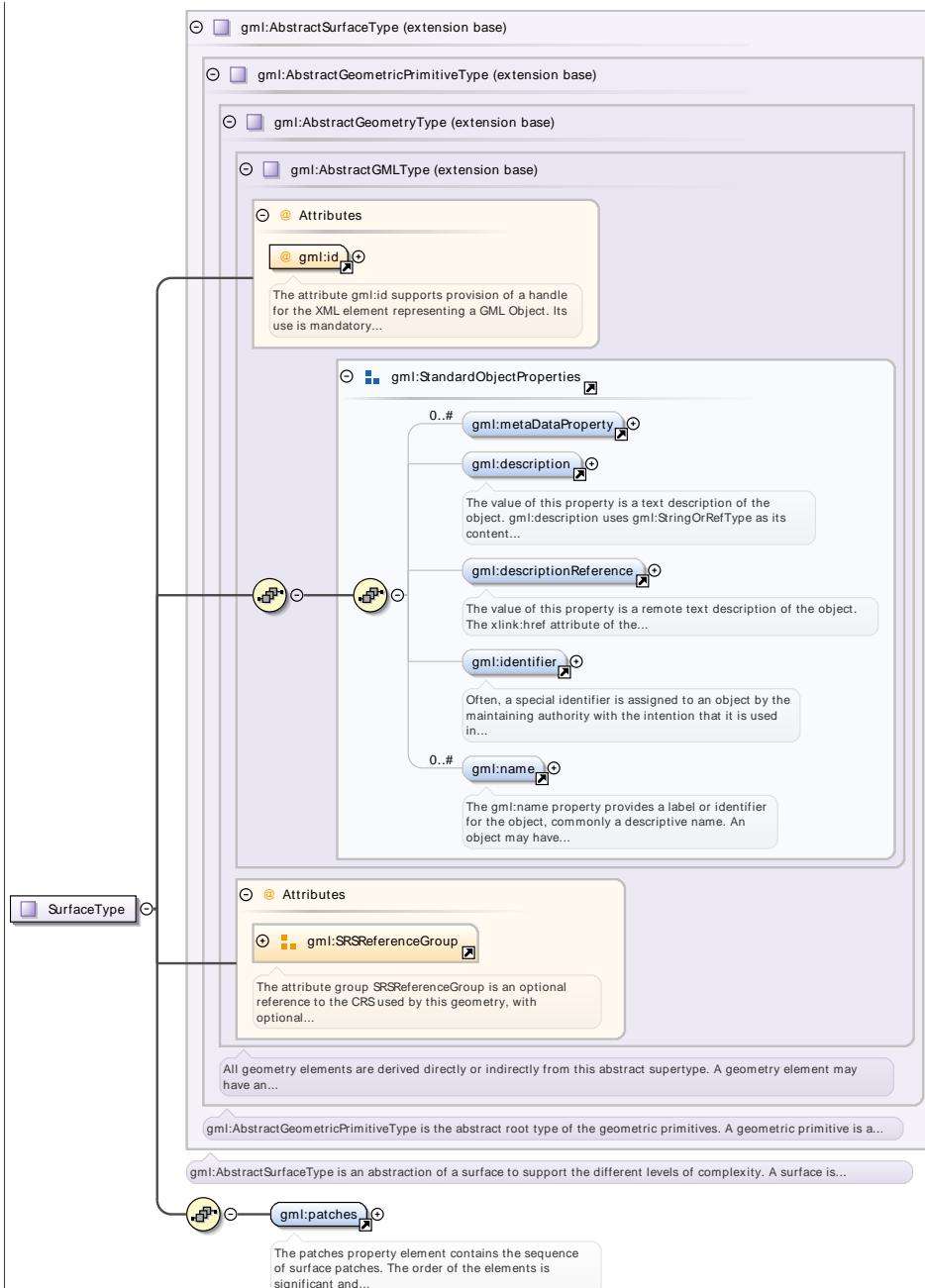


Type	extension of gml:GeodesicStringType				
Attributes	QName	Type	Fixed	Default	Use
	interpolation	gml:CurveInterpolationType	geodesic		optional
	numDerivativeInterior	integer		0	optional
	numDerivativesAtEnd	integer		0	optional
	numDerivativesAtStart	integer		0	optional

Complex Type **gml:SurfaceType**

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractSurfaceType</code>		
Attributes	QName	Type	Use
	axisLabels	<code>gml:NCNameList</code>	optional
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	<code>gml:NCNameList</code>	optional

Complex Type `gml:SurfacePatchArrayPropertyType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:SurfacePatchArrayPropertyType</code> is a container for a sequence of surface patches.



Complex Type gml:AbstractSurfacePatchType

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Properties	abstract: true

Complex Type gml:OrientableSurfaceType

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>gm:AbstractSurfaceType (extension base)</p> <p>gm:AbstractGeometricPrimitiveType (extension base)</p> <p>gm:AbstractGeometryType (extension base)</p> <p>gm:AbstractGMLType (extension base)</p> <p>Attributes</p> <p>gm:id</p> <p>The attribute gm:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p>gm:StandardObjectProperties</p> <p>gm:metaDataProperty</p> <p>gm:description</p> <p>The value of this property is a text description of the object. gm:description uses gm:StringOrRefType as its content...</p> <p>gm:descriptionReference</p> <p>The value of this property is a remote text description of the object. The xlink:href attribute of the...</p> <p>gm:identifier</p> <p>Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...</p> <p>gm:name</p> <p>The gm:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...</p> <p>Attributes</p> <p>gm:SRSReferenceGroup</p> <p>The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...</p> <p>All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an...</p> <p>gm:AbstractGeometricPrimitiveType is the abstract root type of the geometric primitives. A geometric primitive is a...</p> <p>gm:AbstractSurfaceType is an abstraction of a surface to support the different levels of complexity. A surface is...</p> <p>Attributes</p> <p>orientation</p> <p>gm:baseSurface</p> <p>The property baseSurface references or contains the base surface. The property baseSurface either references the base...</p>
Type	extension of gm:AbstractSurfaceType

Attributes	QName	Type	Default	Use	
	axisLabels	gml:NCNameList		optional	
	gml:id	ID		required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.				
	orientation	gml:SignType	+	optional	
	srsDimension	positiveInteger		optional	
	srsName	anyURI		optional	
	uomLabels	gml:NCNameList		optional	

Complex Type **gml:PolygonPatchType**

Namespace	http://www.opengis.net/gml/3.2														
Diagram	<pre> classDiagram class PolygonPatchType { <<gml:AbstractSurfacePatchType (extension base)>> <<Attributes>> <<@ interpolation>> <<gml:exterior>> <<0..# gml:interior>> } class PolygonPatchType { <<gml:AbstractSurfacePatchType (extension base)>> <<Attributes>> <<@ interpolation>> <<gml:exterior>> <<0..# gml:interior>> } </pre>														
Type	extension of gml:AbstractSurfacePatchType														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>interpolation</td> <td>gml:SurfaceInterpolationType</td> <td>planar</td> <td>optional</td> <td></td> </tr> </tbody> </table>					QName	Type	Fixed	Use		interpolation	gml:SurfaceInterpolationType	planar	optional	
QName	Type	Fixed	Use												
interpolation	gml:SurfaceInterpolationType	planar	optional												

Complex Type **gml:AbstractRingPropertyType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A property with the content model of gml:AbstractRingPropertyType encapsulates a ring to represent the surface boundary property of a surface.				
Diagram	<pre> classDiagram class AbstractRingPropertyType { <<gml:AbstractRing (abstraction)>> } class AbstractRingPropertyType { <<gml:AbstractRing (abstraction)>> } </pre>				

Complex Type **gml:AbstractRingType**

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<pre> classDiagram class AbstractRingType { <<gml:AbstractRing (abstraction)>> } class AbstractRingType { <<gml:AbstractRing (abstraction)>> } </pre>				
Properties	abstract: true				

Complex Type **gml:TriangleType**

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram	<p>gm1:AbstractSurfacePatchType (extension base)</p> <p>Attributes</p> <p>@ interpolation</p> <p>gm1:exterior</p> <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p>								
Type	extension of gm1:AbstractSurfacePatchType								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>interpolation</td><td>gm1:SurfaceInterpolationType</td><td>planar</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	interpolation	gm1:SurfaceInterpolationType	planar	optional
QName	Type	Fixed	Use						
interpolation	gm1:SurfaceInterpolationType	planar	optional						

Complex Type gm1:RectangleType

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<p>gm1:AbstractSurfacePatchType (extension base)</p> <p>Attributes</p> <p>@ interpolation</p> <p>gm1:exterior</p> <p>A boundary of a surface consists of a number of rings. In the normal 2D case, one of these rings is distinguished as...</p>								
Type	extension of gm1:AbstractSurfacePatchType								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>interpolation</td><td>gm1:SurfaceInterpolationType</td><td>planar</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	interpolation	gm1:SurfaceInterpolationType	planar	optional
QName	Type	Fixed	Use						
interpolation	gm1:SurfaceInterpolationType	planar	optional						

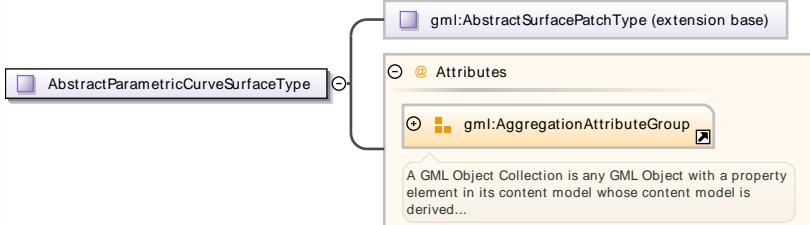
Complex Type gm1:RingType

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<p>gm1:AbstractRingType (extension base)</p> <p>Attributes</p> <p>gm1:AggregationAttributeGroup</p> <p>gm1:curveMember</p> <p>A GML Object Collection is any GML Object with a property element in its content model whose content model is derived...</p>						
Type	extension of gm1:AbstractRingType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>aggregationType</td><td>gm1:AggregationType</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	aggregationType	gm1:AggregationType	optional
QName	Type	Use					
aggregationType	gm1:AggregationType	optional					

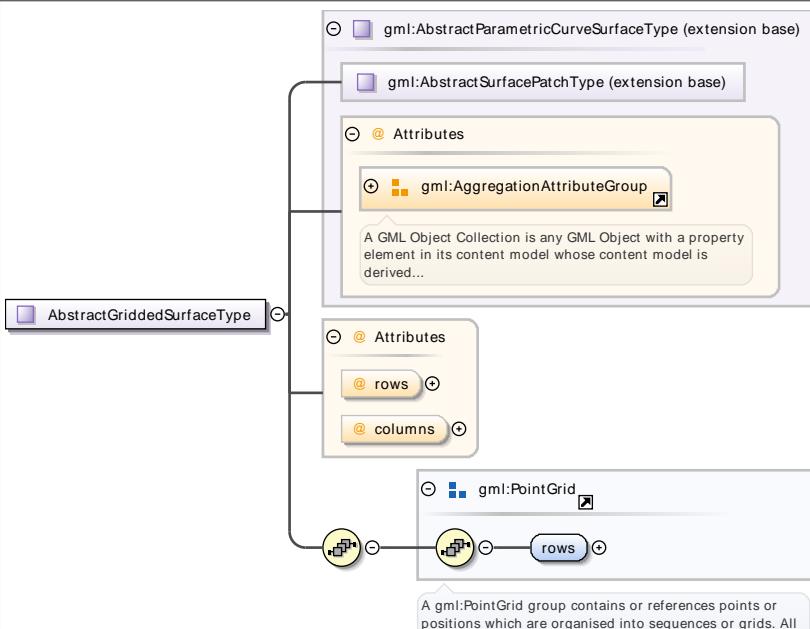
Complex Type gm1:RingPropertyType

Namespace	http://www.opengis.net/gml/3.2
Annotations	A property with the content model of gm1:RingPropertyType encapsulates a ring to represent a component of a surface boundary.
Diagram	<p>gm1:Ring</p> <p>A property with the content model of gm1:RingPropertyType encapsulates a ring to represent a component of a surface...</p> <p>A ring is used to represent a single connected component of a surface boundary as specified in ISO 19107:2003, 6.3.6....</p>

Complex Type `gml:AbstractParametricCurveSurfaceType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	extension of <code>gml:AbstractSurfacePatchType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional

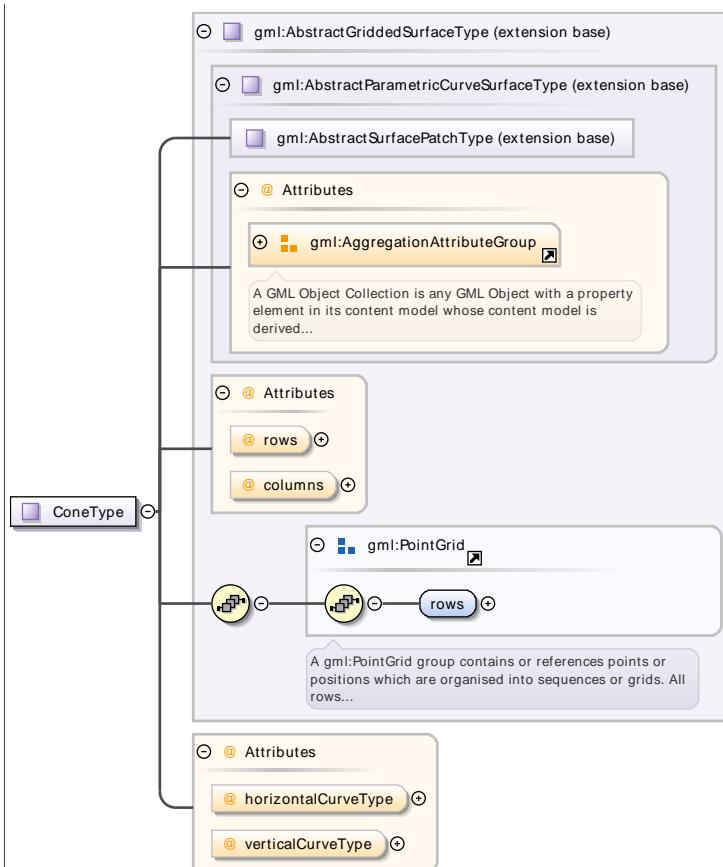
Complex Type `gml:AbstractGriddedSurfaceType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Type	extension of <code>gml:AbstractParametricCurveSurfaceType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>columns</code>	integer	optional
	<code>rows</code>	integer	optional

Complex Type `gml:ConeType`

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Diagram



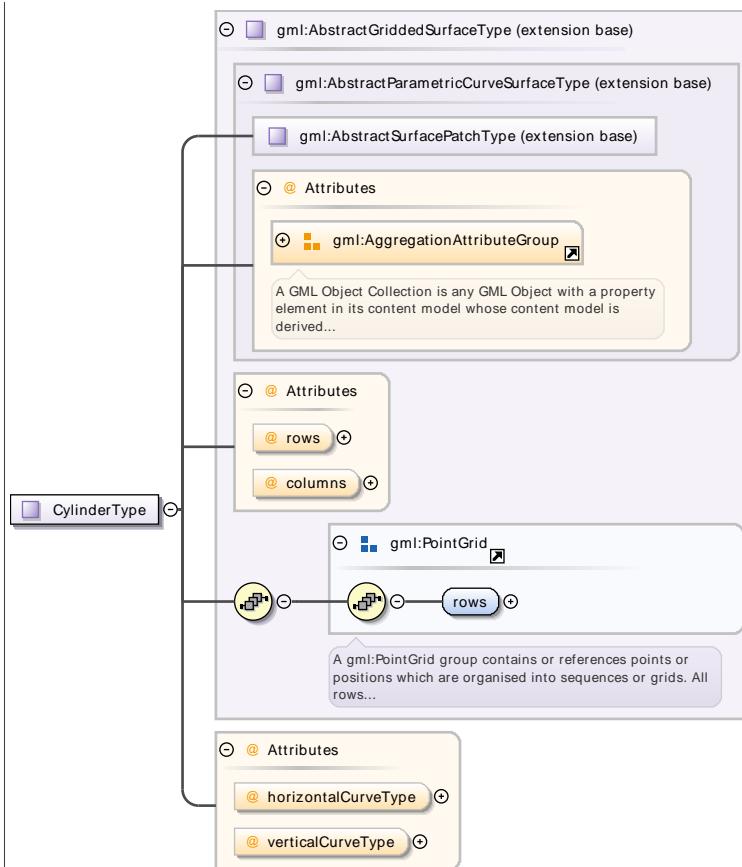
Type extension of `gml:AbstractGriddedSurfaceType`

Type	extension of <code>gml:AbstractGriddedSurfaceType</code>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td><td><code>gml:AggregationType</code></td><td></td><td>optional</td></tr> <tr> <td><code>columns</code></td><td><code>integer</code></td><td></td><td>optional</td></tr> <tr> <td><code>horizontalCurveType</code></td><td><code>gml:CurveInterpolationType</code></td><td><code>circularArc3Points</code></td><td>optional</td></tr> <tr> <td><code>rows</code></td><td><code>integer</code></td><td></td><td>optional</td></tr> <tr> <td><code>verticalCurveType</code></td><td><code>gml:CurveInterpolationType</code></td><td><code>linear</code></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>		optional	<code>columns</code>	<code>integer</code>		optional	<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional	<code>rows</code>	<code>integer</code>		optional	<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional
QName	Type	Fixed	Use																						
<code>aggregationType</code>	<code>gml:AggregationType</code>		optional																						
<code>columns</code>	<code>integer</code>		optional																						
<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional																						
<code>rows</code>	<code>integer</code>		optional																						
<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional																						

Complex Type `gml:CylinderType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



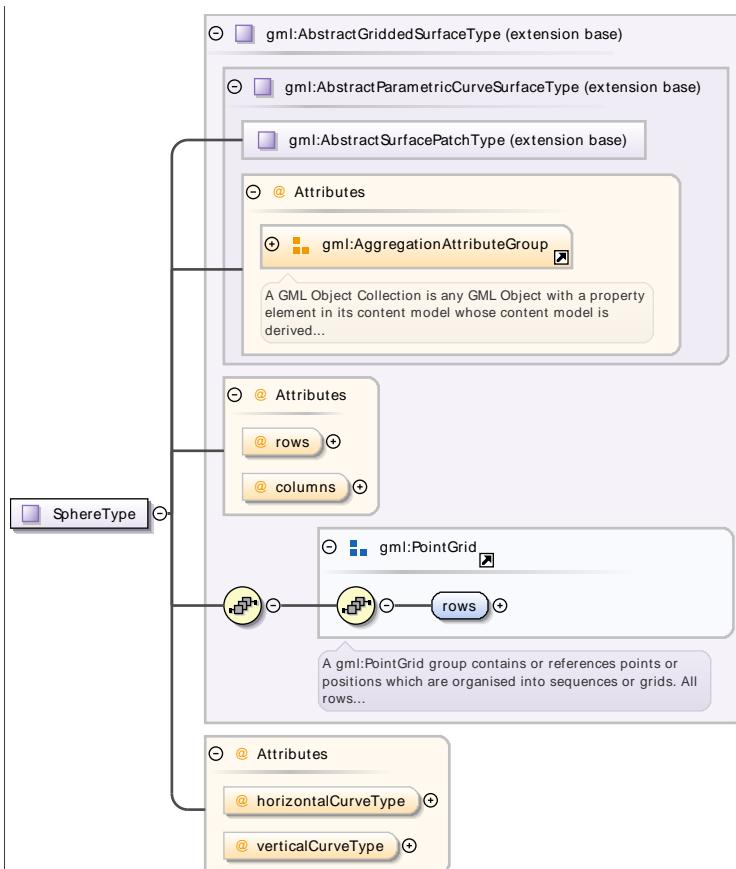
Type	extension of <code>gml:AbstractGriddedSurfaceType</code>
------	----------------------------------------------------------

Attributes	QName	Type	Fixed	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>		optional
	<code>columns</code>	integer		optional
	<code>horizontalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>circularArc3Points</code>	optional
	<code>rows</code>	integer		optional
	<code>verticalCurveType</code>	<code>gml:CurveInterpolationType</code>	<code>linear</code>	optional

Complex Type `gml:SphereType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



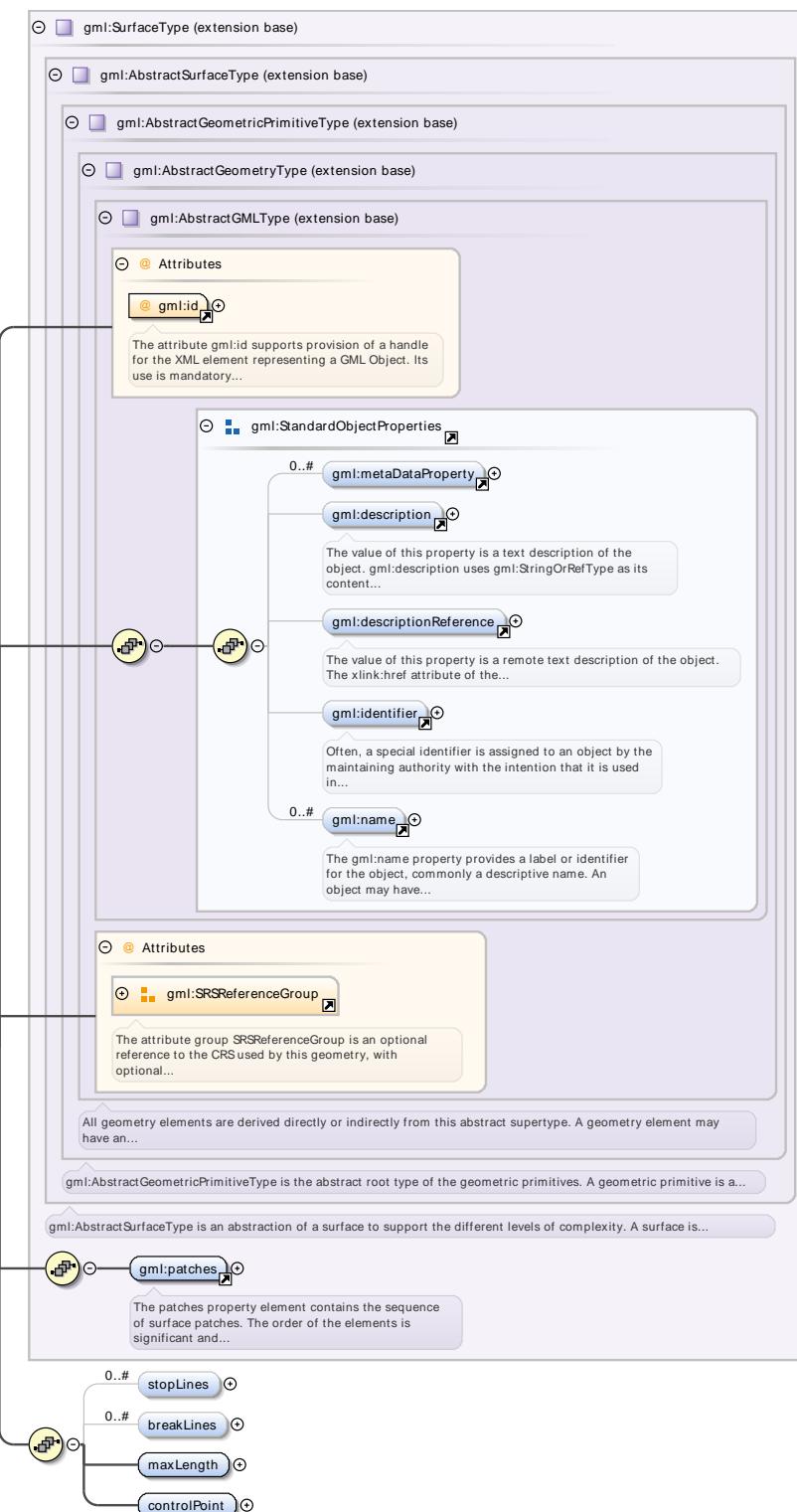
Type	extension of gm1:AbstractGriddedSurfaceType
------	---------------------------------------------

Attributes	QName	Type	Fixed	Use
	aggregationType	gm1:AggregationType		optional
	columns	integer		optional
	horizontalCurveType	gm1:CurveInterpolationType	circularArc3Points	optional
	rows	integer		optional
	verticalCurveType	gm1:CurveInterpolationType	circularArc3Points	optional

Complex Type gm1:TinType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

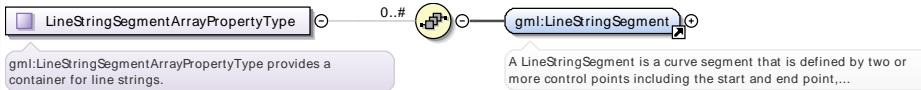


Type	extension of <code>gml:SurfaceType</code>
------	-------------------------------------------

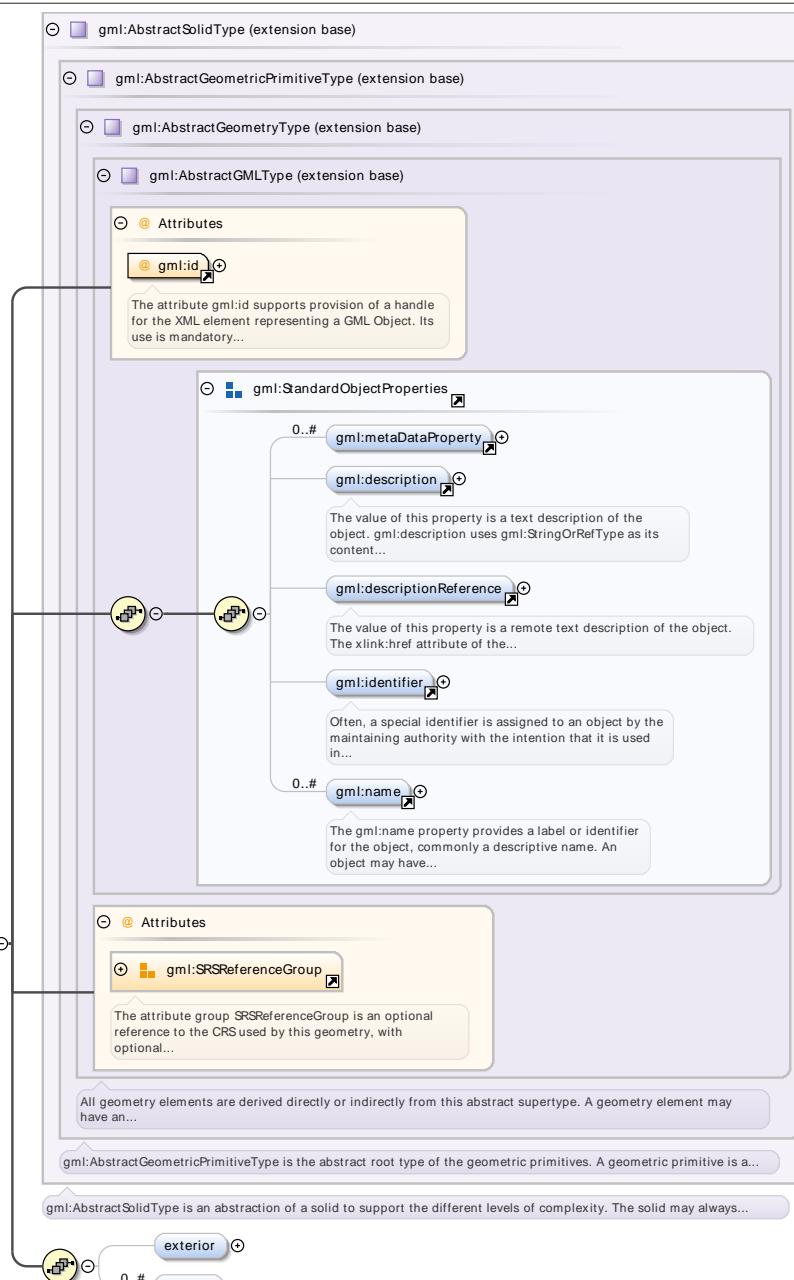
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	<code>srsDimension</code>	<code>positiveInteger</code>	optional

QName	Type	Use
srsName	anyURI	optional
uomLabels	gml:NCNameList	optional

Complex Type `gml:LineStringSegmentArrayPropertyType`

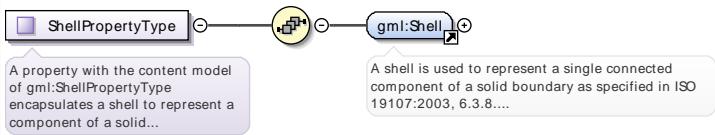
Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:LineStringSegmentArrayPropertyType provides a container for line strings.
Diagram	 <p>A LineStringSegment is a curve segment that is defined by two or more control points including the start and end point,...</p>

Complex Type `gml:SolidType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p>The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...</p> <p>The value of this property is a remote text description of the object. The xlink:href attribute of the...</p> <p>Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...</p> <p>The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...</p> <p>All geometry elements are derived directly or indirectly from this abstract supertype. A geometry element may have an...</p> <p>gml:AbstractGeometricPrimitiveType is the abstract root type of the geometric primitives. A geometric primitive is a...</p> <p>gml:AbstractSolidType is an abstraction of a solid to support the different levels of complexity. The solid may always...</p>
Type	extension of gml:AbstractSolidType

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type **gml:ShellPropertyType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid boundary.
Diagram	 <p>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid...</p> <p>A shell is used to represent a single connected component of a solid boundary as specified in ISO 19107:2003, 6.3.8....</p>

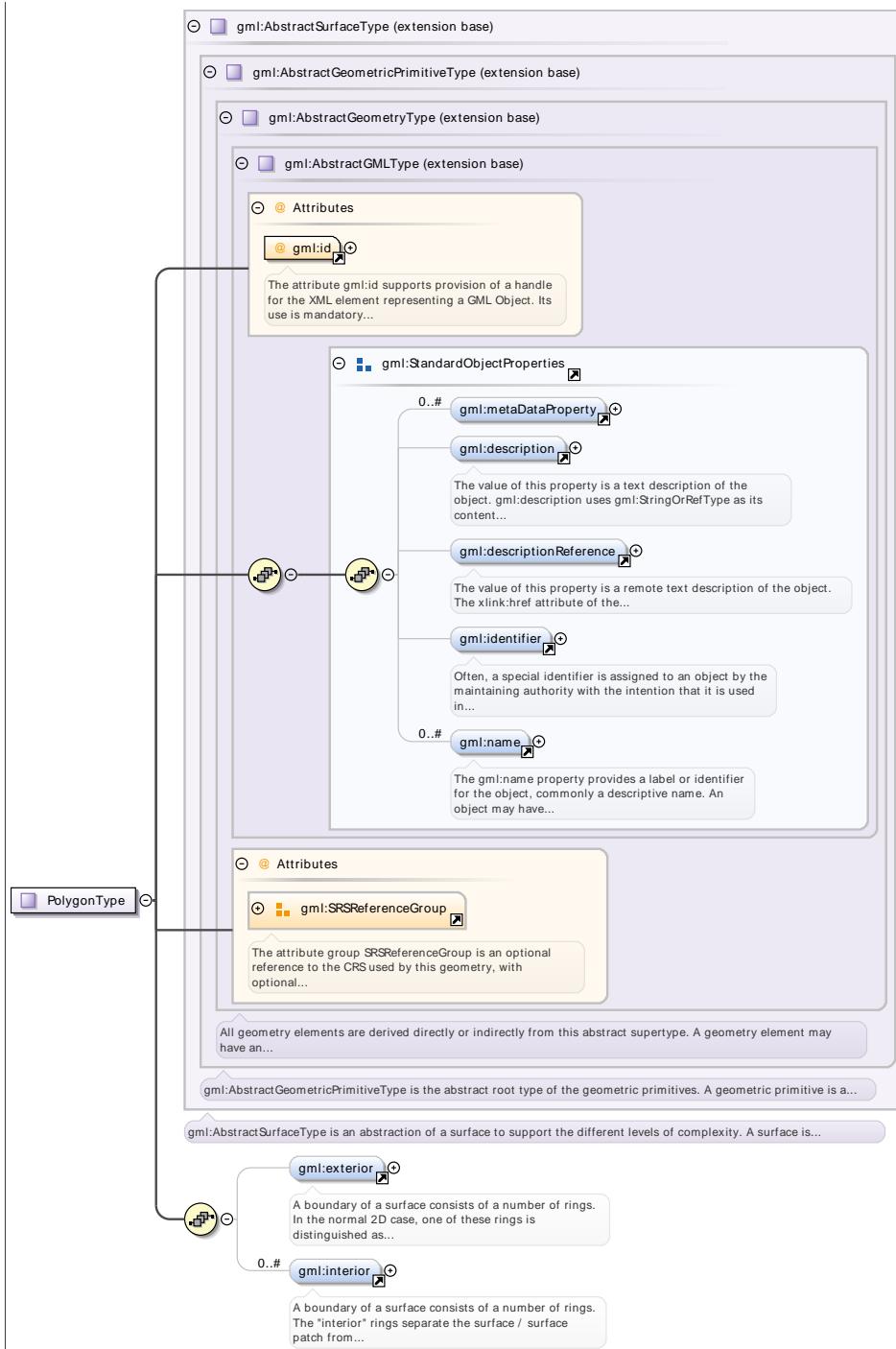
Complex Type **gml:ShellType**

Namespace	http://www.opengis.net/gml/3.2						
Diagram	 <p>Attributes</p> <p>gml:AggregationAttributeGroup</p> <p>A GML Object Collection is any GML Object with a property element in its content model whose content model is derived...</p> <p>gml:surfaceMember</p> <p>This property element either references a surface via the XLink- attributes or contains the surface element. A surface...</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional
QName	Type	Use					
aggregationType	gml:AggregationType	optional					

Complex Type **gml:PolygonType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of gml:AbstractSurfaceType		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

Complex Type `gml:LinearRingType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	extension of <code>gml:AbstractRingType</code>

Complex Type `gml:LinearRingPropertyType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A property with the content model of <code>gml:LinearRingPropertyType</code> encapsulates a linear ring to represent a component of a surface boundary.
Diagram	

Complex Type `gml:GeometricPrimitive.PropertyType`

Namespace	http://www.opengis.net/gml/3.2																																													
Annotations	A property that has a geometric primitive as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.																																													
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><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>gml:remoteSchema</code>	anyURI			optional	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional
QName	Type	Fixed	Default	Use																																										
<code>gml:remoteSchema</code>	anyURI			optional																																										
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																										
<code>owns</code>	boolean		false	optional																																										
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																										
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																										
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																										
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																										
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																										

QName	Type	Fixed	Default	Use
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Complex Type `gml:ScaleType`

Namespace	http://www.opengis.net/gml/3.2											
Diagram												
Type	extension of gml:MeasureType											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use										
uom	gml:UomIdentifier	required										

Complex Type `gml:TimeType`

Namespace	http://www.opengis.net/gml/3.2											
Diagram												
Type	extension of gml:MeasureType											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use										
uom	gml:UomIdentifier	required										

Complex Type `gml:GridLengthType`

Namespace	http://www.opengis.net/gml/3.2											
Diagram												
Type	extension of gml:MeasureType											
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		uom	gml:UomIdentifier	required	
QName	Type	Use										
uom	gml:UomIdentifier	required										

Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Complex Type **gml:AreaType**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>gml:MeasureType (extension base)</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p> <p>Attributes</p> <p>uom</p> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>		
Type	extension of gml:MeasureType		
Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Complex Type **gml:VolumeType**

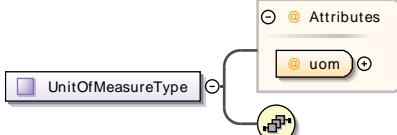
Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>gml:MeasureType (extension base)</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p> <p>Attributes</p> <p>uom</p> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>		
Type	extension of gml:MeasureType		
Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Complex Type **gml:SpeedType**

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>gml:MeasureType (extension base)</p> <p>double</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p> <p>Attributes</p> <p>uom</p> <p>gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure...</p>		
Type	extension of gml:MeasureType		
Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

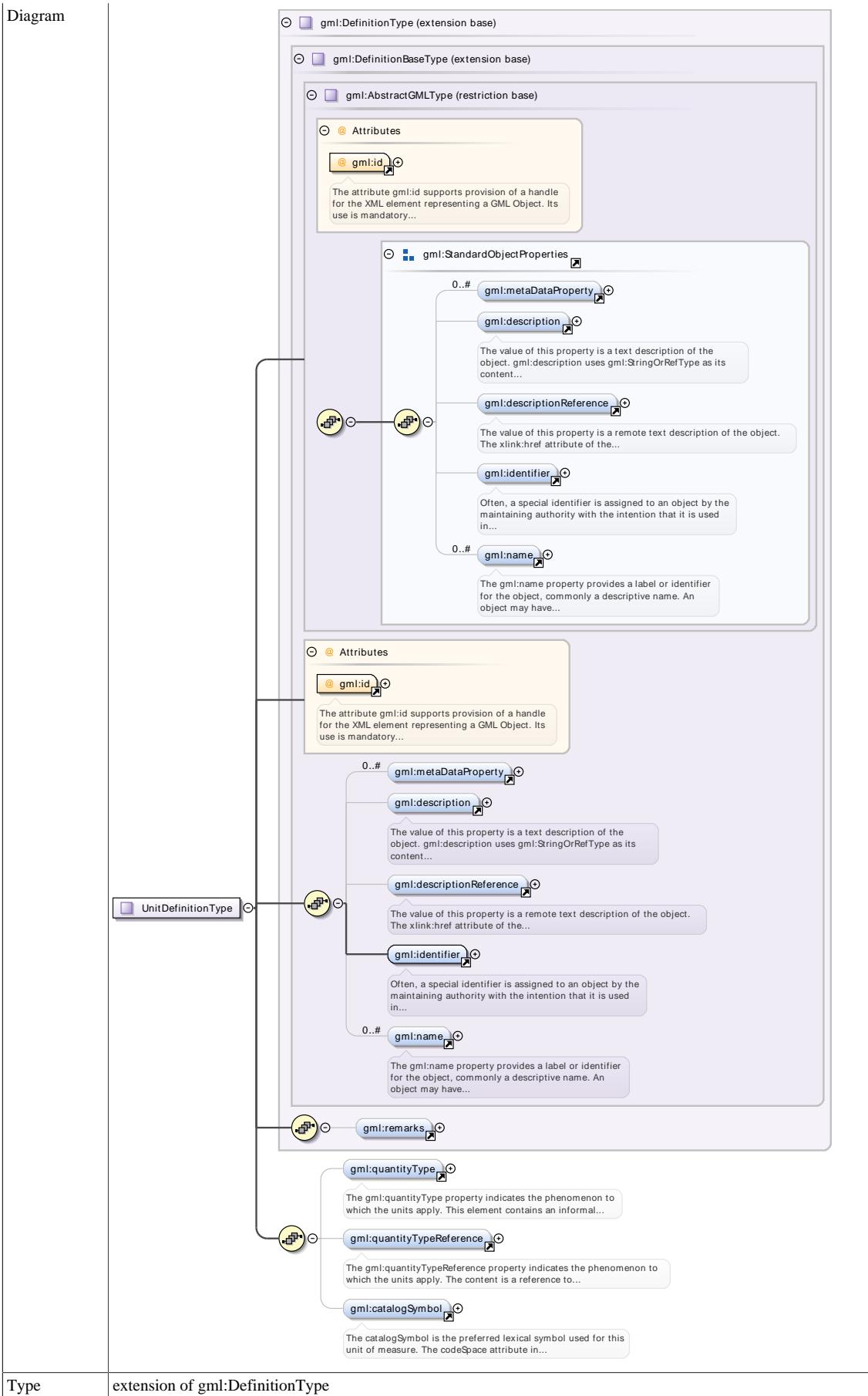
Complex Type **gml:UnitOfMeasureType**

Namespace	http://www.opengis.net/gml/3.2		
Diagram			
Attributes	QName	Type	Use
	uom	gml:UomIdentifier	required

Complex Type **gml:UnitDefinitionType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



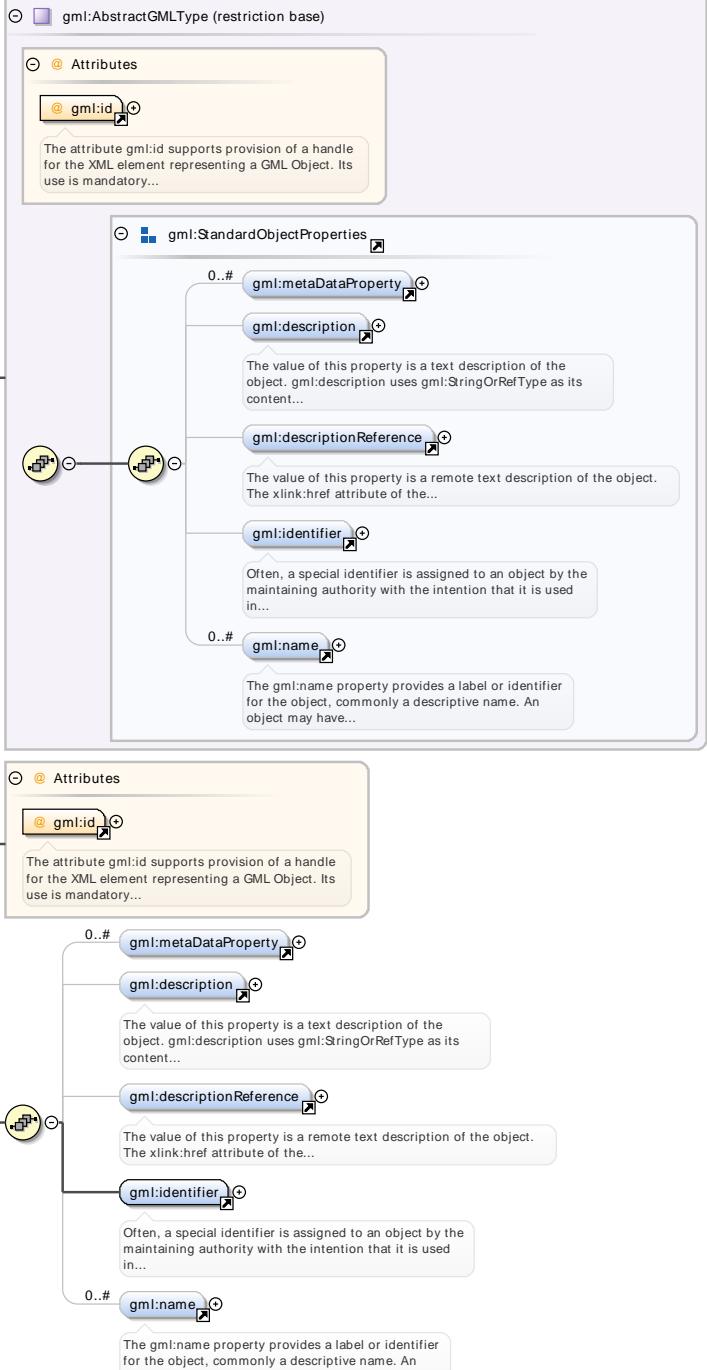
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type gml:DefinitionType

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram class gml:DefinitionBaseType { <<extension base>> <<restriction base=gml:AbstractGMLType>> attribute gml:id property gml:metaDataProperty property gml:description property gml:descriptionReference property gml:identifier property gml:name } class gml:AbstractGMLType { <<restriction base=gml:StandardObjectProperties>> attribute gml:id } class gml:DefinitionType { <<extension base=gml:DefinitionBaseType>> property gml:remarks } gml:DefinitionBaseType < -- gml:AbstractGMLType gml:AbstractGMLType < -- gml:DefinitionType </pre>
Type	extension of gml:DefinitionBaseType

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type gml:Definition BaseType

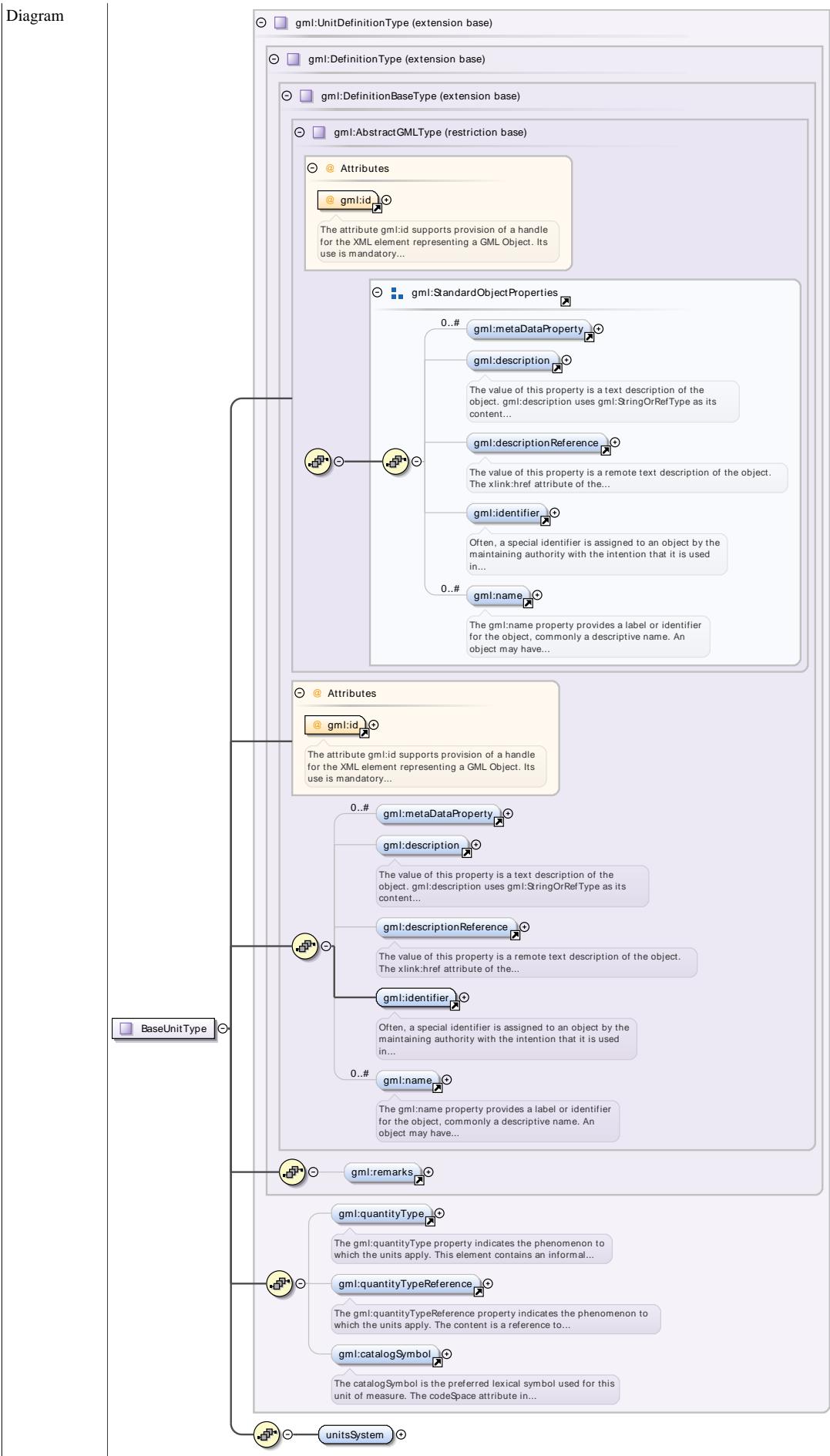
Namespace	http://www.opengis.net/gml/3.2		
Diagram	 <pre> classDiagram class gml:AbstractGMLType { @gml:id StandardObjectProperties } class gml:Definition BaseType { @gml:id StandardObjectProperties } class StandardObjectProperties { gml:metaDataProperty gml:description gml:descriptionReference gml:identifier gml:name } gml:AbstractGMLType < -- gml:Definition BaseType StandardObjectProperties < -- gml:metaDataProperty StandardObjectProperties < -- gml:description StandardObjectProperties < -- gml:descriptionReference StandardObjectProperties < -- gml:identifier StandardObjectProperties < -- gml:name </pre>		
Type	restriction of gml:AbstractGMLType		
Attributes	QName	Type	Use
	gml:id	ID	required

QName	Type	Use
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.	

Complex Type `gml:BaseUnitType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

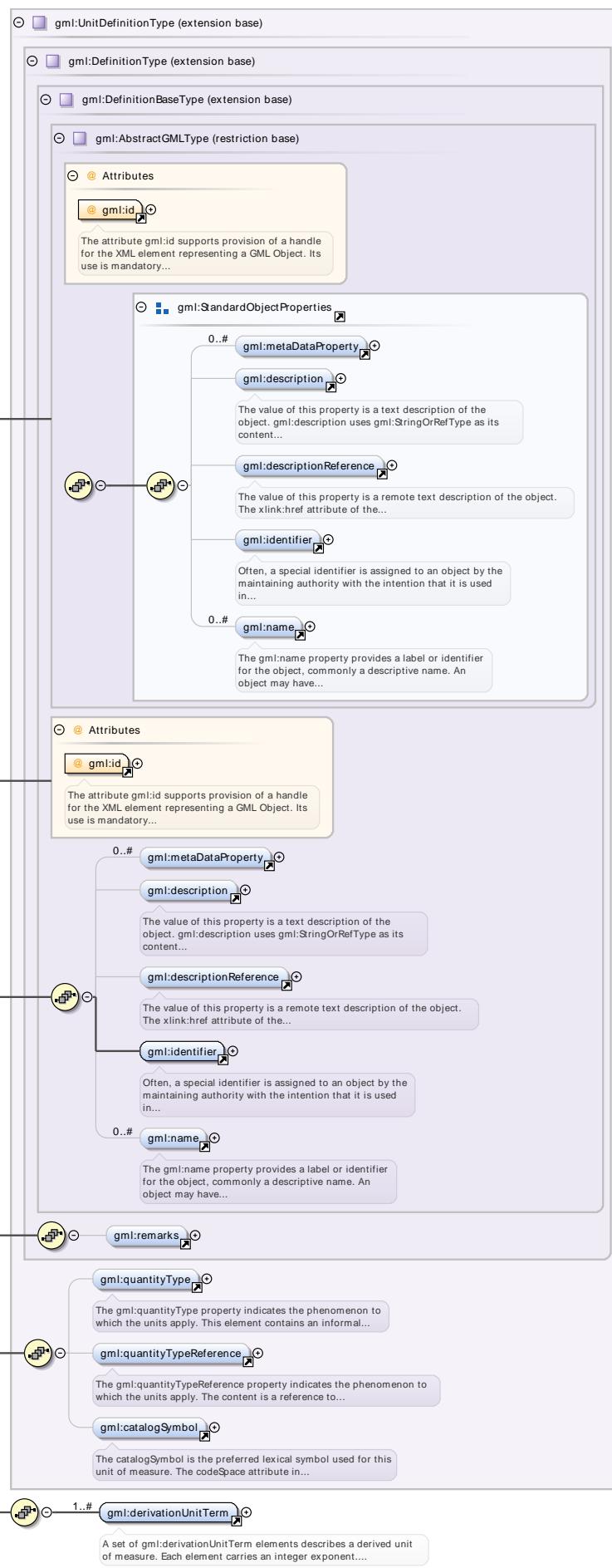


Type	extension of <code>gml:UnitDefinitionType</code>		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:DerivedUnitType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:UnitDefinitionType</code>			
Attributes	QName	Type	Use	
	<code>gml:id</code>	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

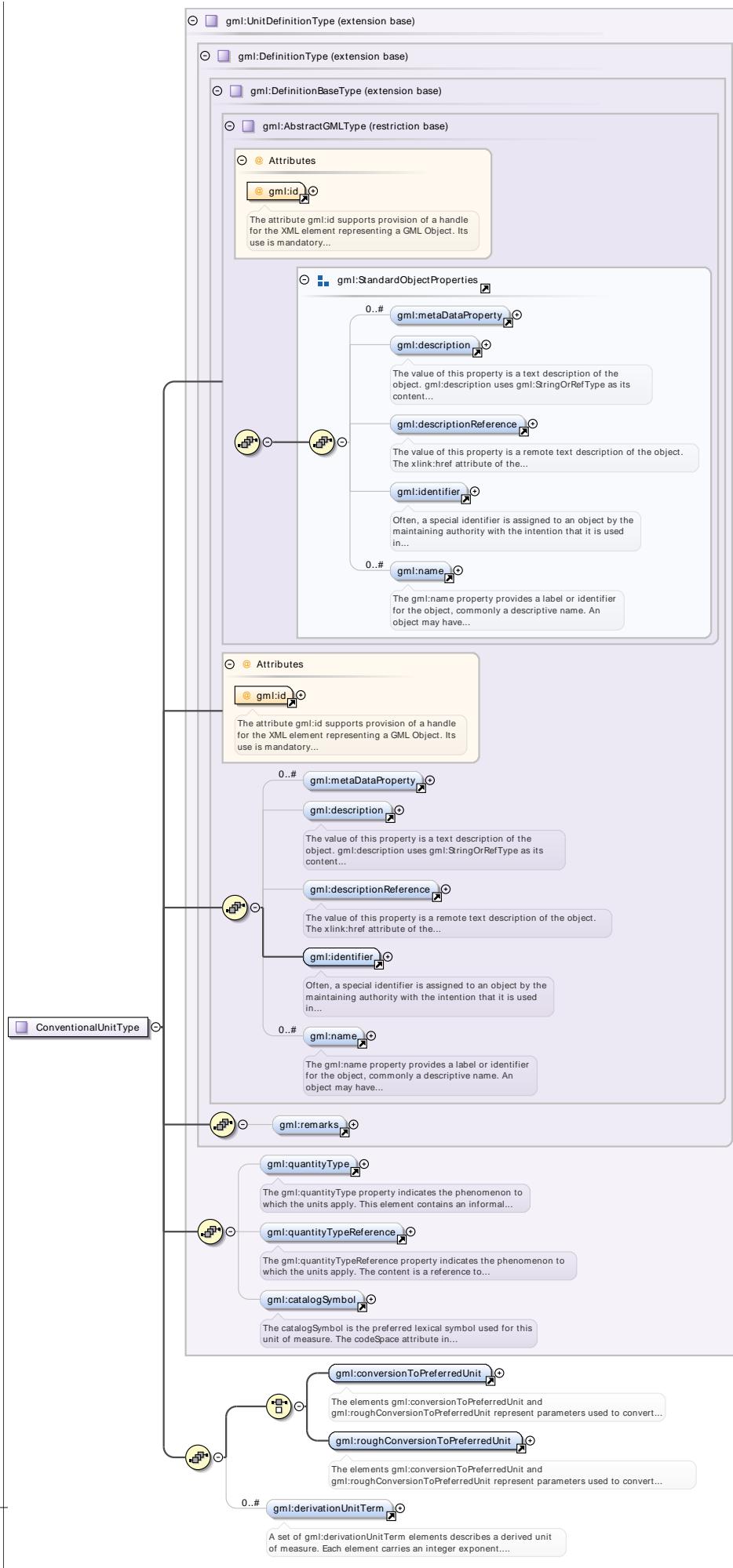
Complex Type `gml:DerivationUnitTermType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<pre> classDiagram class UnitOfMeasureType { <<gml:UnitOfMeasureType (extension base)>> <<Attributes>> @ uom } class DerivationUnitTermType { <<DerivationUnitTermType>> <<Attributes>> @ exponent } UnitOfMeasureType < -- DerivationUnitTermType DerivationUnitTermType "1" -- "1" UnitOfMeasureType </pre>		
Type	extension of <code>gml:UnitOfMeasureType</code>		
Attributes	QName	Type	Use
	<code>exponent</code>	integer	optional
	<code>uom</code>	<code>gml:UomIdentifier</code>	required

Complex Type `gml:ConventionalUnitType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:UnitDefinitionType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:ConversionToPreferredUnitType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<p>The inherited attribute <code>uom</code> references the preferred unit that this conversion applies to. The conversion of a unit to the preferred unit for this physical quantity type is specified by an arithmetic conversion (scaling and/or offset). The content model extends <code>gml:UnitOfMeasureType</code>, which has a mandatory attribute <code>uom</code> which identifies the preferred unit for the physical quantity type that this conversion applies to. The conversion is specified by a choice of - <code>gml:factor</code>, which defines the scale factor, or - <code>gml:formula</code>, which defines a formula by which a value using the conventional unit of measure can be converted to obtain the corresponding value using the preferred unit of measure. The formula defines the parameters of a simple formula by which a value using the conventional unit of measure can be converted to the corresponding value using the preferred unit of measure. The formula element contains elements <code>a</code>, <code>b</code>, <code>c</code> and <code>d</code>, whose values use the XML Schema type <code>double</code>. These values are used in the formula $y = (a + bx) / (c + dx)$, where x is a value using this unit, and y is the corresponding value using the base unit. The elements <code>a</code> and <code>d</code> are optional, and if values are not provided, those parameters are considered to be zero. If values are not provided for both <code>a</code> and <code>d</code>, the formula is equivalent to a fraction with numerator and denominator parameters.</p>		
Diagram			
Type	extension of <code>gml:UnitOfMeasureType</code>		
Attributes	QName <code>uom</code>	Type <code>gml:UomIdentifier</code>	Use required

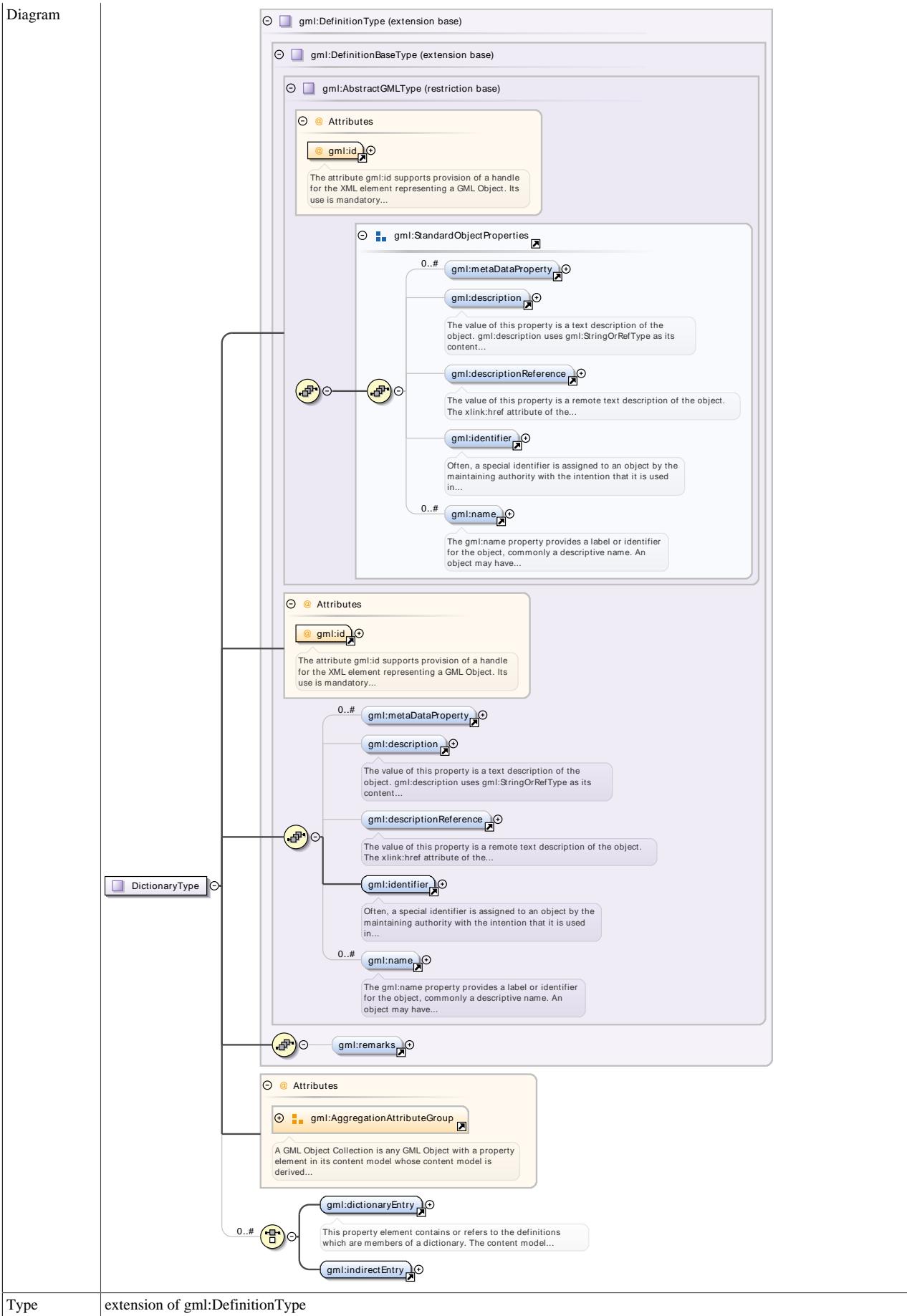
Complex Type `gml:FormulaType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram			

Complex Type `gml:DictionaryType`

Namespace	http://www.opengis.net/gml/3.2		
-----------	-----------------------------------------------------------------------------	--	--

Diagram



Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type **gml:DictionaryEntryType**

Namespace	http://www.opengis.net/gml/3.2																																																							
Diagram																																																								
Type	extension of gml:AbstractMemberType																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:AbstractMemberType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>To create a collection of GML Objects that are not all features, a property type shall be derived by extension from gml:AbstractMemberType. This abstract property type is intended to be used only in object types where software shall be able to identify that an instance of such an object type is to be interpreted as a collection of objects. By default, this abstract property type does not imply any ownership of the objects in the collection. The owns attribute of gml:OwnershipAttributeGroup may be used on a property element instance to assert ownership of an object in the collection. A collection shall not own an object already owned by another object.</p>

Diagram	<p>AbstractMemberType</p> <p>To create a collection of GML Objects that are not all features, a property type shall be derived by extension from...</p> <p>gml:OwnershipAttributeGroup</p> <p>Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...</p>										
Properties	abstract: true										
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Default	Use		owns	boolean	false	optional	
QName	Type	Default	Use								
owns	boolean	false	optional								

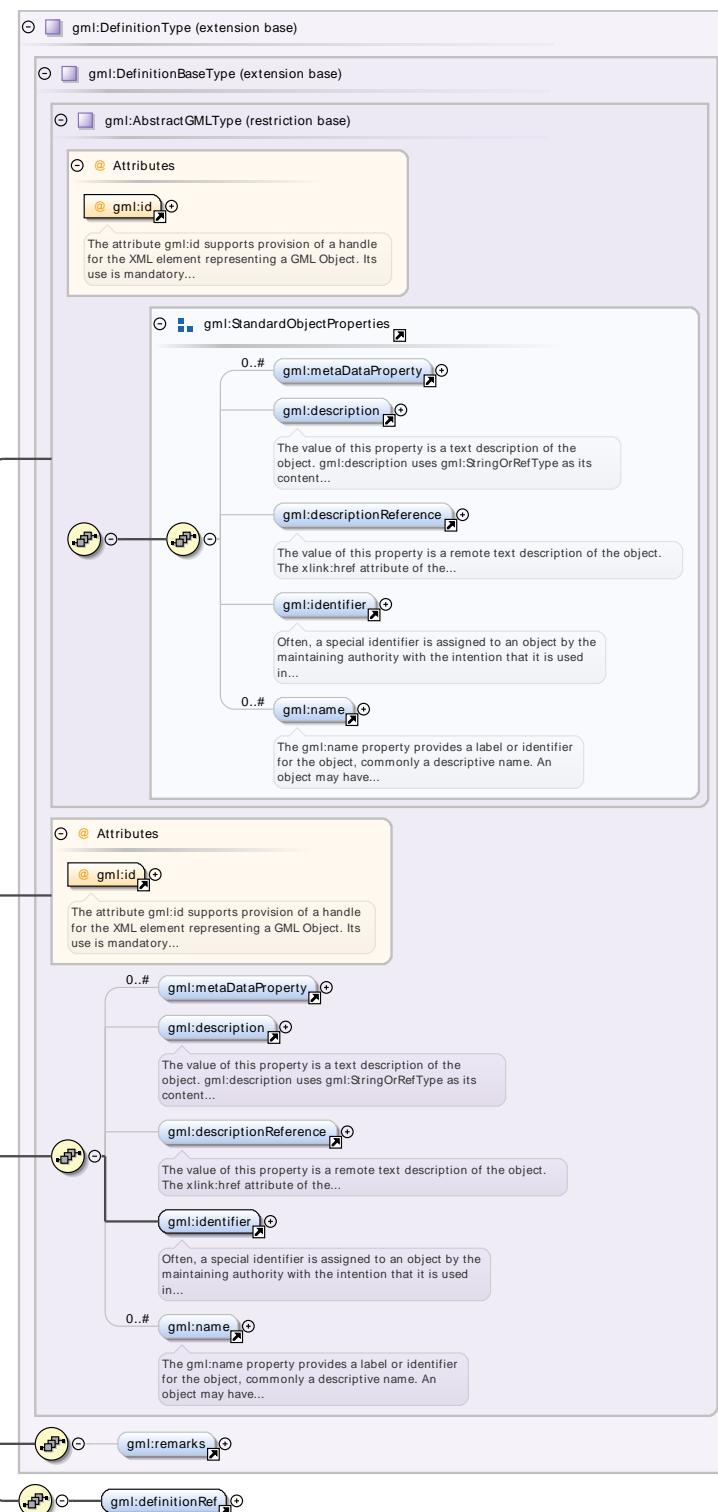
Complex Type **gml:IndirectEntryType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>IndirectEntryType</p> <p>gml:DefinitionProxy</p>

Complex Type **gml:DefinitionProxyType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:DefinitionType`

Type	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:AssociationRoleType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

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>gm1:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gm1:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gm1:remoteSchema	anyURI			optional	nilReason	gm1:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gm1:remoteSchema	anyURI			optional																																																				
nilReason	gm1:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type gm1:InlinePropertyType

Namespace	http://www.opengis.net/gml/3.2								
Diagram									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>owns</td><td>boolean</td><td>false</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Complex Type gm1:AbstractMetadataPropertyType

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>To associate metadata described by any XML Schema with a GML object, a property element shall be defined whose content model is derived by extension from gm1:AbstractMetadataPropertyType. The value of such a property shall be metadata. The content model of such a property type, i.e. the metadata application schema shall be specified by the GML Application Schema. By default, this abstract property type does not imply any ownership of the metadata. The owns attribute of gm1:OwnershipAttributeGroup may be used on a metadata property element instance to assert ownership of the metadata. If metadata following the conceptual model of ISO 19115 is to be encoded in a GML document, the corresponding Implementation Specification specified in ISO/TS 19139 shall be used to encode the metadata information.</p>
Diagram	
Properties	abstract: true

Attributes	QName	Type	Default	Use	
	owns	boolean	false	optional	

Complex Type `gml:CodeListType`

Namespace	http://www.opengis.net/gml/3.2														
Annotations	gml:CodeListType provides for lists of terms. The values in an instance element shall all be valid according to the rules of the dictionary, classification scheme, or authority identified by the value of its codeSpace attribute.														
Diagram	<pre> classDiagram class CodeListType { <<gml:CodeListType provides for lists of terms. The values in an instance element shall all be valid according to the rules of the dictionary, classification scheme, or authority identified by the value of its codeSpace attribute.>> <<@Attributes <<@codeSpace } class NameList { <<gml:NameList <<A type for a list of values of the respective simple type. } CodeListType < -- NameList CodeListType < -- Attributes CodeListType < -- codeSpace </pre>														
Type	extension of gml:NameList														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> <td></td> <td></td> </tr> </tbody> </table>					QName	Type	Use			codeSpace	anyURI	optional		
QName	Type	Use													
codeSpace	anyURI	optional													

Complex Type `gml:CodeOrNilReasonListType`

Namespace	http://www.opengis.net/gml/3.2														
Annotations	gml:CodeOrNilReasonListType provides for lists of terms. The values in an instance element shall all be valid according to the rules of the dictionary, classification scheme, or authority identified by the value of its codeSpace attribute. An instance element may also include embedded values from NilReasonType. It is intended to be used in situations where a term or classification is expected, but the value may be absent for some reason.														
Diagram	<pre> classDiagram class CodeOrNilReasonListType { <<gml:CodeOrNilReasonListType provides for lists of terms. The values in an instance element shall all be valid according to the rules of the dictionary, classification scheme, or authority identified by the value of its codeSpace attribute. <<@Attributes <<@codeSpace } class NameOrNilReasonList { <<gml:NameOrNilReasonList <<A type for a list of values of the respective simple type. } CodeOrNilReasonListType < -- NameOrNilReasonList CodeOrNilReasonListType < -- Attributes CodeOrNilReasonListType < -- codeSpace </pre>														
Type	extension of gml:NameOrNilReasonList														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> <td></td> <td></td> </tr> </tbody> </table>					QName	Type	Use			codeSpace	anyURI	optional		
QName	Type	Use													
codeSpace	anyURI	optional													

Complex Type `gml:MeasureListType`

Namespace	http://www.opengis.net/gml/3.2														
Annotations	gml:MeasureListType provides for a list of quantities.														
Diagram	<pre> classDiagram class MeasureListType { <<gml:MeasureListType provides for a list of quantities. <<@Attributes <<@uom } class doubleList { <<gml:doubleList <<A type for a list of values of the respective simple type. } MeasureListType < -- doubleList MeasureListType < -- Attributes MeasureListType < -- uom </pre>														
Type	extension of gml:doubleList														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>uom</td> <td>gml:UomIdentifier</td> <td>required</td> <td></td> <td></td> </tr> </tbody> </table>					QName	Type	Use			uom	gml:UomIdentifier	required		
QName	Type	Use													
uom	gml:UomIdentifier	required													

Complex Type `gml:MeasureOrNilReasonListType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:MeasureOrNilReasonListType provides for a list of quantities. An instance element may also include embedded values from NilReasonType. It is intended to be used in situations where a value is expected, but the value may be absent for some reason.				

Diagram	<p>gml:MeasureOrNilReasonListType provides for a list of quantities. An instance element may also include embedded values...</p>						
Type	extension of gml:doubleOrNilReasonList						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>uom</td><td>gml:UomIdentifier</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

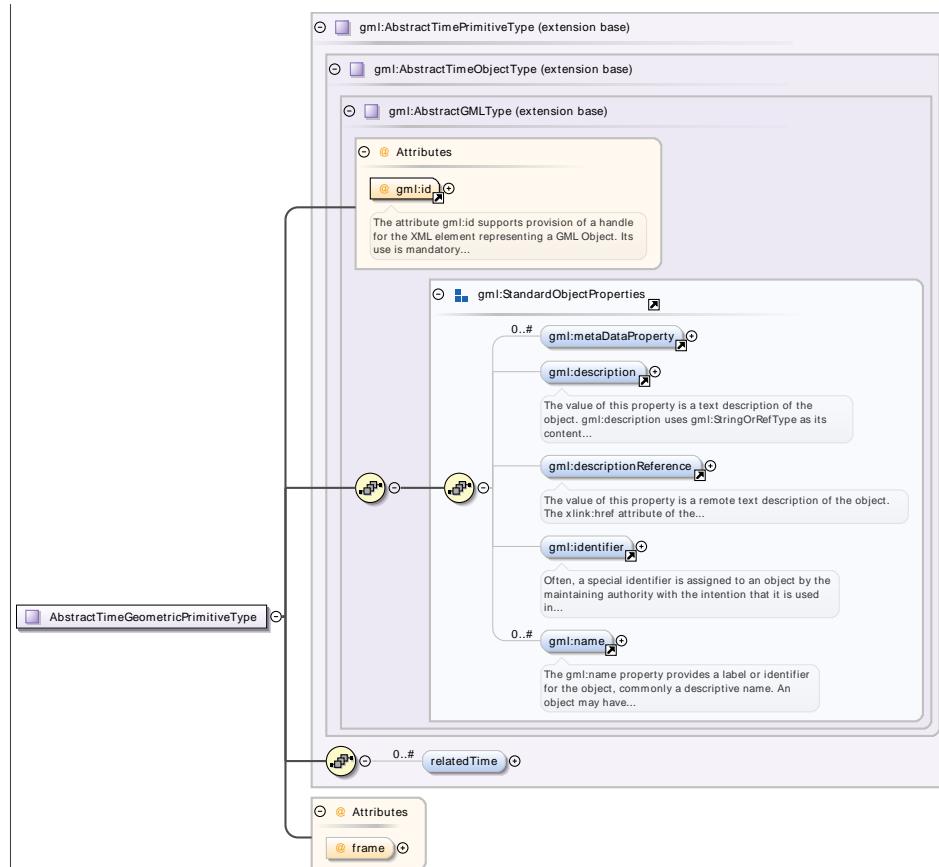
Complex Type gml:AbstractTimeComplexType

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p>The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...</p> <p>The value of this property is a remote text description of the object. The xlink:href attribute of the...</p> <p>Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...</p> <p>The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...</p>									
Type	extension of gml:AbstractTimeObjectType									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
gml:id	ID	required								
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

Complex Type gml:AbstractTimeGeometricPrimitiveType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:AbstractTimePrimitiveType`

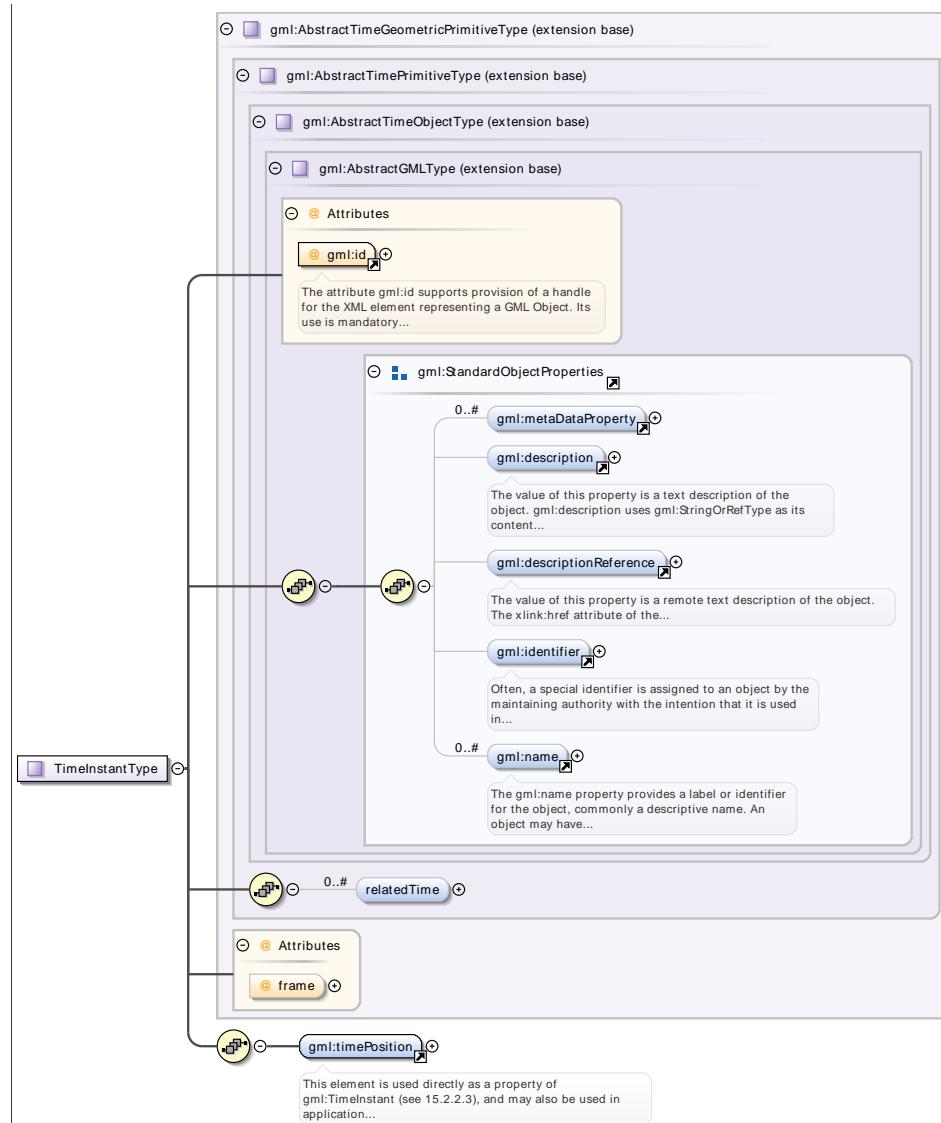
Properties abstract: true

Attributes	QName	Type	Default	Use	
	frame	anyURI	#ISO-8601	optional	
	gml:id	ID		required	
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.					

Complex Type `gml:TimeInstantType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

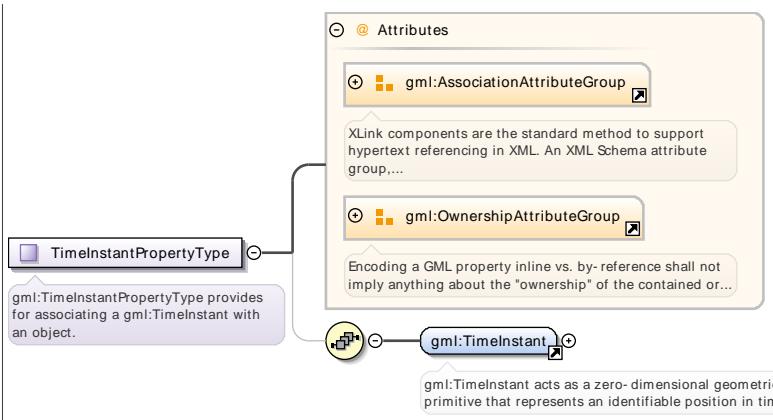
Diagram



Type	extension of <code>gml:AbstractTimeGeometricPrimitiveType</code>												
Properties	final: extension, restriction												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>frame</code></td> <td>anyURI</td> <td>#ISO-8601</td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td></td> <td>required</td> </tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Default	Use	<code>frame</code>	anyURI	#ISO-8601	optional	<code>gml:id</code>	ID		required
QName	Type	Default	Use										
<code>frame</code>	anyURI	#ISO-8601	optional										
<code>gml:id</code>	ID		required										

Complex Type `gml:TimeInstantPropertyType`

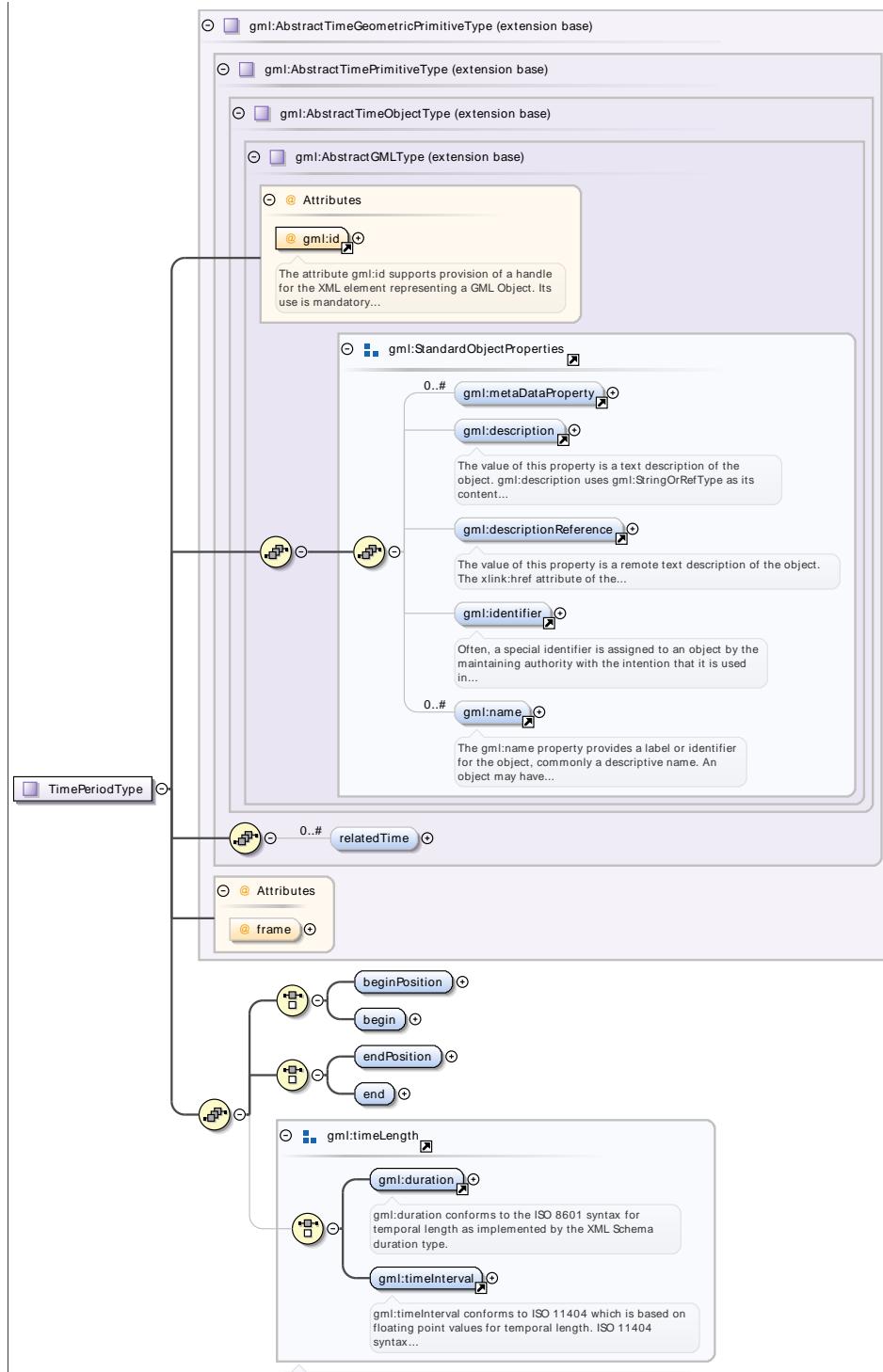
Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:TimeInstantPropertyType</code> provides for associating a <code>gml:TimeInstant</code> with an object.

Diagram	 <p>TimeInstantPropertyType provides for associating a gm:TimeInstant with an object.</p> <p>gm:TimeInstant acts as a zero-dimensional geometric primitive that represents an identifiable position in time.</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>gm:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gm:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gm:remoteSchema	anyURI			optional	nilReason	gm:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gm:remoteSchema	anyURI			optional																																																				
nilReason	gm:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type gm:TimePeriodType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gm1:AbstractTimeGeometricPrimitiveType</code>				
Attributes	QName	Type	Default	Use	
	frame	anyURI	#ISO-8601	optional	
	gm1:id	ID		required	
	The attribute <code>gm1:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.				

Complex Type `gm1:TimeIntervalLengthType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	<p>TimeIntervalLengthType</p> <p>decimal</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p> <p>Attributes</p> <ul style="list-style-type: none"> @unit @radix @factor 												
Type	extension of decimal												
Properties	final: extension, restriction												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>factor</td> <td>integer</td> <td>optional</td> </tr> <tr> <td>radix</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>unit</td> <td>gml:TimeUnitType</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	factor	integer	optional	radix	positiveInteger	optional	unit	gml:TimeUnitType	required
QName	Type	Use											
factor	integer	optional											
radix	positiveInteger	optional											
unit	gml:TimeUnitType	required											

Complex Type gml:TimePeriodPropertyType

Namespace	http://www.opengis.net/gml/3.2																																																											
Annotations	gml:TimePeriodPropertyType provides for associating a gml:TimePeriod with an object.																																																											
Diagram	<p>TimePeriodPropertyType</p> <p>gml:TimePeriodPropertyType provides for associating a gml:TimePeriod with an object.</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup gml:OwnershipAttributeGroup <p>gml:TimePeriod</p> <p>gml:TimePeriod acts as a one-dimensional geometric primitive that represents an identifiable extent in time. The...</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																								
gml:remoteSchema	anyURI			optional																																																								
nilReason	gml:NilReasonType			optional																																																								
owns	boolean		false	optional																																																								
xlink:actuate	xlink:actuateType			optional																																																								
xlink:arcrole	xlink:arcroleType			optional																																																								
xlink:href	xlink:hrefType			optional																																																								
xlink:role	xlink:roleType			optional																																																								
xlink:show	xlink:showType			optional																																																								
xlink:title	xlink:titleAttrType			optional																																																								
xlink:type	xlink:typeType	simple		optional																																																								

Complex Type gml:DirectionPropertyType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:DirectionVectorType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	Direction vectors are specified by providing components of a vector.
Diagram	

Complex Type **gml:DirectionDescriptionType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	direction descriptions are specified by a compass point code, a keyword, a textual description or a reference to a description. A gml:compassPoint is specified by a simple enumeration. In addition, three elements to contain text-based descriptions of direction are provided. If the direction is specified using a term from a list, gml:keyword should be used, and the list indicated using the value of the codeSpace attribute. If the direction is described in prose, gml:direction or gml:reference should be used, allowing the value to be included inline or by reference.
Diagram	

Complex Type **gml:AbstractTopologyType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	This abstract type supplies the root or base type for all topological elements including primitives and complexes. It inherits AbstractGMLType and hence can be identified using the gml:id attribute.						
Diagram	<pre> classDiagram class gml(AbstractGMLType) { <<extension base>> <<Attributes>> <<@ gml:id>> <<The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...>> } class AbstractTopologyType { <<This abstract type supplies the root or base type for all topological elements including primitives and complexes. It...>> } gml < -- AbstractTopologyType class gml(StandardObjectProperties) { <<0..# gml:metaDataProperty>> <<gml:description>> <<The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...>> <<gml:descriptionReference>> <<The value of this property is a remote text description of the object. The xlink:href attribute of the...>> <<gml:identifier>> <<Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...>> <<0..# gml:name>> <<The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...>> } <<Relationships>> AbstractTopologyType --> gml:StandardObjectProperties </pre>						
Type	extension of gml:AbstractGMLType						
Properties	abstract: true						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

Complex Type gml:AbstractTopologyType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

	<p>Diagram illustrating the structure of <code>AbstractTopoPrimitiveType</code> (extension of <code>gml:AbstractTopologyType</code>).</p> <p><code>AbstractTopoPrimitiveType</code> is an abstract type that supplies the root or base type for all topological elements including primitives and complexes. It extends <code>gml:AbstractTopologyType</code>, which in turn extends <code>gml:AbstractGMLType</code>.</p> <p><code>gml:AbstractGMLType</code> has attributes:</p> <ul style="list-style-type: none"> <code>gml:id</code>: The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory. <code>gml:StandardObjectProperties</code> (0..#): <ul style="list-style-type: none"> <code>gml:metaDataProperty</code>: Describes the value of this property as a text description of the object. <code>gml:description</code>: Describes the value of this property as a remote text description of the object. <code>gml:descriptionReference</code>: Describes the value of this property as the xlink:href attribute of... <code>gml:identifier</code>: Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in... <code>gml:name</code>: The <code>gml:name</code> property provides a label or identifier for the object, commonly a descriptive name. An object may have... 									
Type	extension of <code>gml:AbstractTopologyType</code>									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
<code>gml:id</code>	ID	required								
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

Complex Type `gml:NodeOrEdgePropertyType`

Namespace	http://www.opengis.net/gml/3.2																							
Diagram	<p>Diagram illustrating the structure of <code>NodeOrEdgePropertyType</code>.</p> <p><code>NodeOrEdgePropertyType</code> is an abstract type that encodes a GML property inline vs. by-reference. It extends <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>.</p> <p><code>gml:Node</code> represents the 0-dimensional primitive. The optional coboundary of a node (<code>gml:directedEdge</code>) is a sequence of...</p> <p><code>gml:Edge</code> represents the 1-dimensional primitive. The topological boundary of an Edge (<code>gml:directedNode</code>) consists of a...</p>																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td><td></td></tr> </tbody> </table>						QName	Type	Fixed	Default	Use		<code>gml:remoteSchema</code>	anyURI			optional		<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	
QName	Type	Fixed	Default	Use																				
<code>gml:remoteSchema</code>	anyURI			optional																				
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																				

QName	Type	Fixed	Default	Use
owns	boolean		false	optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Complex Type **gml:NodeType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the structure of the gml:NodeType complex type. It is an abstract type that supplies the root or base type for all topological elements including primitives and complexes. It inherits from gml:AbstractTopologyType, gml:AbstractGMLType, and gml:StandardObjectProperties. It also aggregates to gml:AggregationAttributeGroup. The type includes attributes like gml:id (mandatory), gml:metaDataProperty, gml:description, gml:descriptionReference, gml:identifier, gml:name, container, gml:directedEdge, and gml:pointProperty.</p>

Type	extension of <code>gml:AbstractTopoPrimitiveType</code>			
Attributes	QName	Type	Use	
	aggregationType	<code>gml:AggregationType</code>	optional	
	gml:id	ID	required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

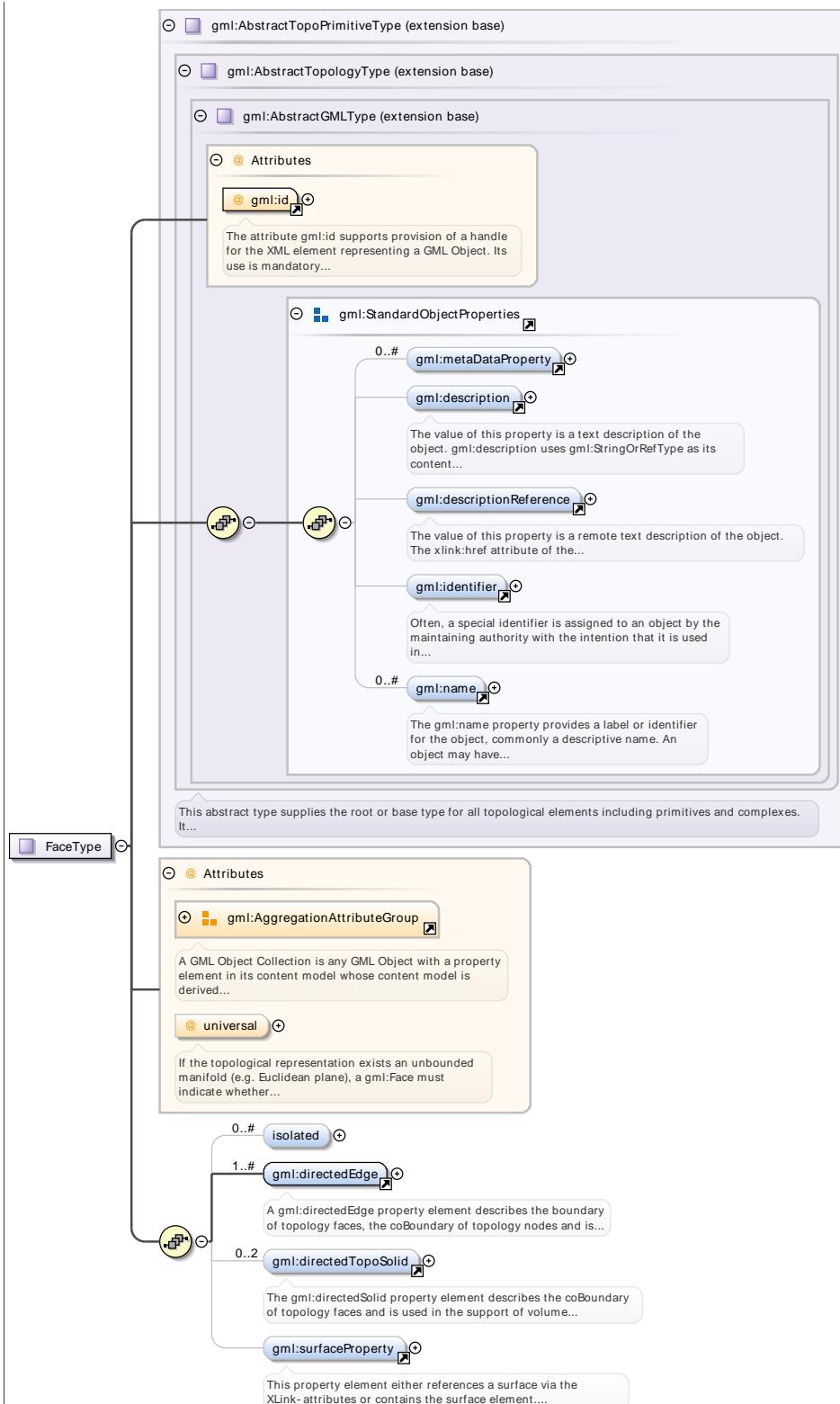
Complex Type `gml:FaceOrTopoSolidPropertyType`

Namespace	http://www.opengis.net/gml/3.2					
Diagram	<p>The diagram illustrates the inheritance structure of the <code>gml:FaceOrTopoSolidPropertyType</code>. It is derived from <code>gml:AbstractTopoPrimitiveType</code>, which in turn inherits from <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. The <code>gml:Face</code> and <code>gml:TopoSolid</code> types are shown as subtypes of <code>gml:AbstractTopoPrimitiveType</code>, each with its own detailed description.</p>					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	<code>gml:NilReasonType</code>			optional	
	owns	boolean		false	optional	
	xlink:actuate	<code>xlink:actuateType</code>			optional	
	xlink:arcrole	<code>xlink:arcroleType</code>			optional	
	xlink:href	<code>xlink:hrefType</code>			optional	
	xlink:role	<code>xlink:roleType</code>			optional	
	xlink:show	<code>xlink:showType</code>			optional	
	xlink:title	<code>xlink:titleAttrType</code>			optional	
	xlink:type	<code>xlink:typeType</code>	simple		optional	

Complex Type `gml:FaceType`

Namespace	http://www.opengis.net/gml/3.2					
-----------	-----------------------------------------------------------------------------	--	--	--	--	--

Diagram

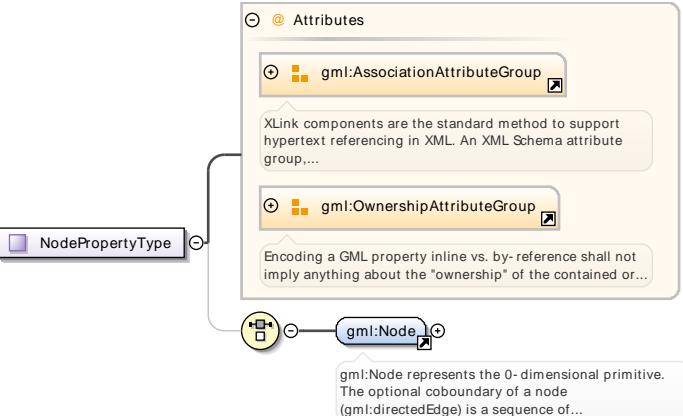


Type extension of gml:AbstractTopoPrimitiveType

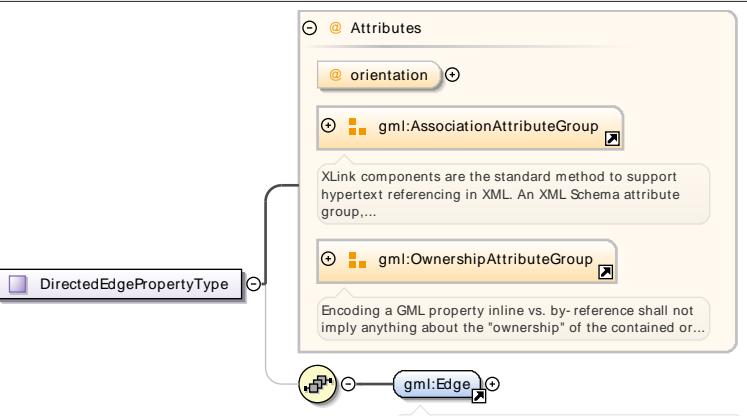
Attributes	QName	Type	Default	Use
	aggregationType	gml:AggregationType		optional
	gml:id	ID		required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

QName	Type	Default	Use
universal	boolean	false	optional
	If the topological representation exists an unbounded manifold (e.g. Euclidean plane), a gml:Face must indicate whether it is a universal face or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this. NOTE The universal face is normally not part of any feature, and is used to represent the unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the map represented by the data set.		

Complex Type **gml:NodePropertyType**

Namespace	http://www.opengis.net/gml/3.2																																																												
Diagram	 <p>The diagram illustrates the structure of the gml:NodePropertyType complex type. It is derived from the gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. It has an association with the gml:Node type, which is described as representing the 0-dimensional primitive and being the topological boundary of an Edge.</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>						QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																									
gml:remoteSchema	anyURI			optional																																																									
nilReason	gml:NilReasonType			optional																																																									
owns	boolean		false	optional																																																									
xlink:actuate	xlink:actuateType			optional																																																									
xlink:arcrole	xlink:arcroleType			optional																																																									
xlink:href	xlink:hrefType			optional																																																									
xlink:role	xlink:roleType			optional																																																									
xlink:show	xlink:showType			optional																																																									
xlink:title	xlink:titleAttrType			optional																																																									
xlink:type	xlink:typeType	simple		optional																																																									

Complex Type **gml:DirectedEdgePropertyType**

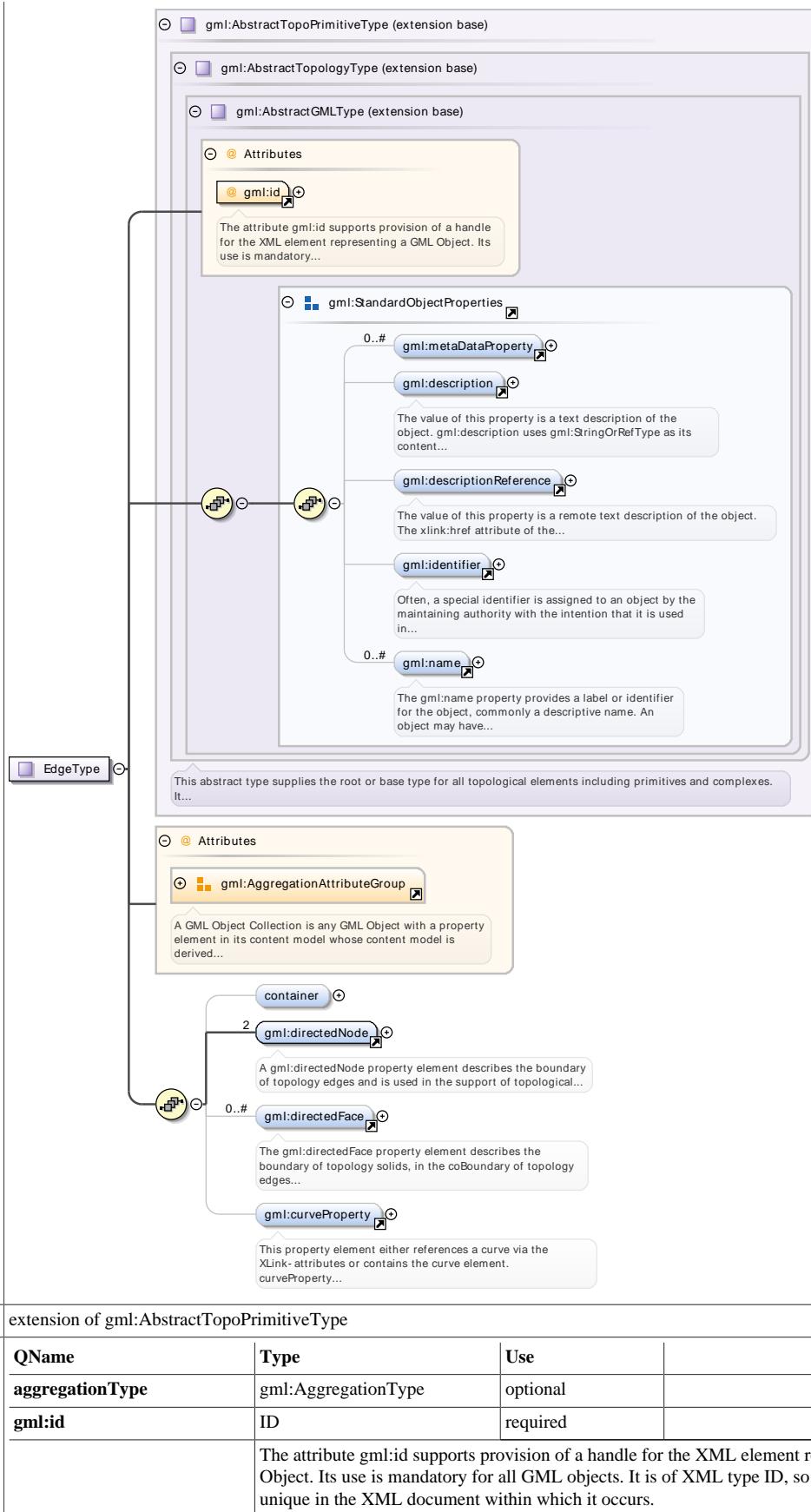
Namespace	http://www.opengis.net/gml/3.2					
Diagram	 <p>The diagram illustrates the structure of the gml:DirectedEdgePropertyType complex type. It is derived from the gml:AssociationAttributeGroup and gml:OwnershipAttributeGroup. It has an association with the gml:Edge type, which is described as representing the 1-dimensional primitive and being the topological boundary of an Edge.</p>					

Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	orientation	gml:SignType		+	optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Complex Type **gml:EdgeType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

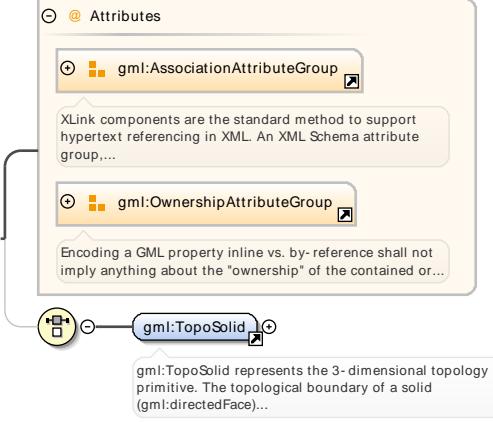


Type extension of gml:AbstractTopoPrimitiveType

Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type gml:TopoSolidPropertyType

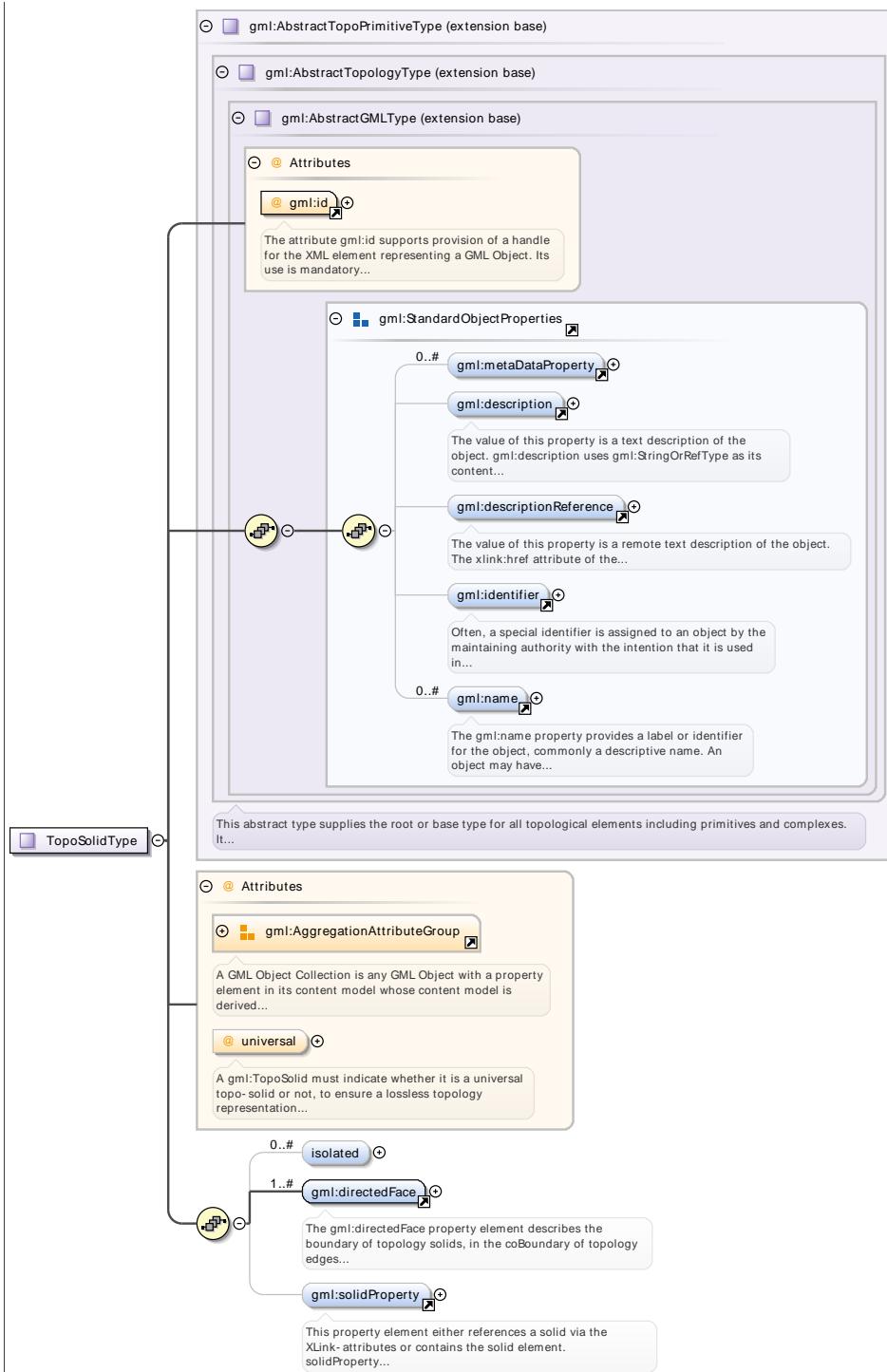
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	 <pre> classDiagram class TopoSolidPropertyType class TopoSolid TopoSolidPropertyType < -- TopoSolid class gml { class AssociationAttributeGroup class OwnershipAttributeGroup class TopoSolid } class xlink { class actuateType class arcroleType class hrefType class roleType class showType class titleAttrType class typeType } TopoSolid < -- gml:AssociationAttributeGroup TopoSolid < -- gml:OwnershipAttributeGroup TopoSolid < -- gml:TopoSolid </pre>																																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td><td></td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		gml:remoteSchema	anyURI			optional		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																															
gml:remoteSchema	anyURI			optional																																																															
nilReason	gml:NilReasonType			optional																																																															
owns	boolean		false	optional																																																															
xlink:actuate	xlink:actuateType			optional																																																															
xlink:arcrole	xlink:arcroleType			optional																																																															
xlink:href	xlink:hrefType			optional																																																															
xlink:role	xlink:roleType			optional																																																															
xlink:show	xlink:showType			optional																																																															
xlink:title	xlink:titleAttrType			optional																																																															
xlink:type	xlink:typeType	simple		optional																																																															

Complex Type **gml:TopoSolidType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of gml:AbstractTopologyType

Attributes	QName	Type	Default	Use
	aggregationType	gml:AggregationType		optional
	gml:id	ID		required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	universal	boolean	false	optional
		A gml:TopoSolid must indicate whether it is a universal topo-solid or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this and the default is fault.		
		NOTE The universal topo-solid is normally not part of any feature, and is used to represent the		

QName	Type	Default	Use
unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the data set.			

Complex Type `gml:DirectedFacePropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:DirectedFacePropertyType</code> complex type. It shows the type itself as a purple box with a circular arrow. Inside, there is a section for attributes, which includes <code>@ orientation</code> and two groups: <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. A line connects the <code>gml:Face</code> association to a description box: "gml:Face represents the 2-dimensional topology primitive. The topological boundary of a face (gml:directedEdge)...".</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>orientation</code>	<code>gml:SignType</code>	+	false	optional
	<code>owns</code>	boolean			optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:DirectedNodePropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:DirectedNodePropertyType</code> complex type. It shows the type itself as a purple box with a circular arrow. Inside, there is a section for attributes, which includes <code>@ orientation</code> and two groups: <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. A line connects the <code>gml:Node</code> association to a description box: "gml:Node represents the 0-dimensional primitive. The optional coboundary of a node (gml:directedEdge) is a sequence of...".</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional

QName	Type	Fixed	Default	Use
nilReason	gml:NilReasonType			optional
orientation	gml:SignType		+	optional
owns	boolean		false	optional
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

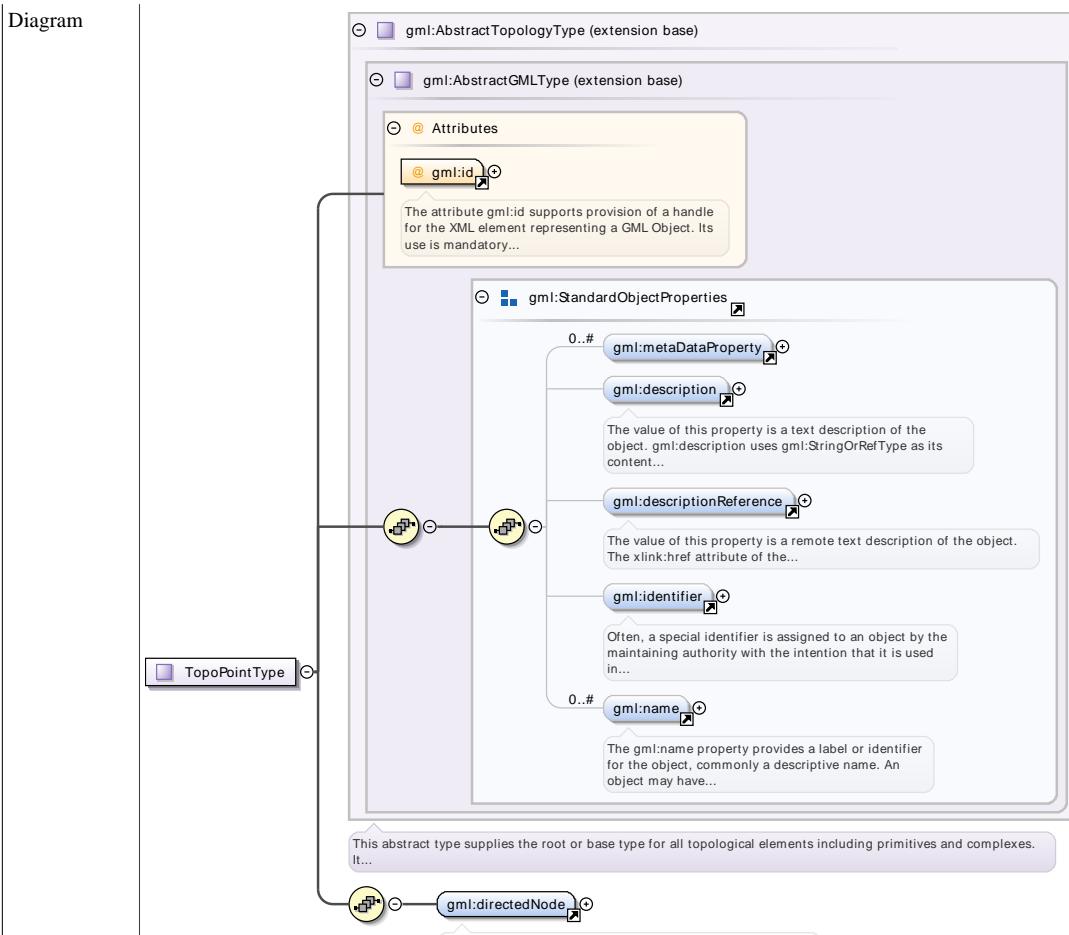
Complex Type **gml:DirectedTopoSolidPropertyType**

Namespace	http://www.opengis.net/gml/3.2																																																																
Diagram	<p>The diagram illustrates the structure of the gml:DirectedTopoSolidPropertyType. It is a complex type that inherits from gml:TopoSolid and gml:AssociationAttributeGroup. The type has an attribute orientation. It also includes gml:OwnershipAttributeGroup and gml:TopoSolid components. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." Another note states: "Encoding a GML property inline vs. by- reference shall not imply anything about the "ownership" of the contained or..." A third note states: "gml:TopoSolid represents the 3- dimensional topology primitive. The topological boundary of a solid (gml:directedFace)..."</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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>orientation</td><td>gml:SignType</td><td></td><td>+</td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	orientation	gml:SignType		+	optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																													
gml:remoteSchema	anyURI			optional																																																													
nilReason	gml:NilReasonType			optional																																																													
orientation	gml:SignType		+	optional																																																													
owns	boolean		false	optional																																																													
xlink:actuate	xlink:actuateType			optional																																																													
xlink:arcrole	xlink:arcroleType			optional																																																													
xlink:href	xlink:hrefType			optional																																																													
xlink:role	xlink:roleType			optional																																																													
xlink:show	xlink:showType			optional																																																													
xlink:title	xlink:titleAttrType			optional																																																													
xlink:type	xlink:typeType	simple		optional																																																													

Complex Type **gml:TopoPointType**

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram



Type extension of `gml:AbstractTopologyType`

Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

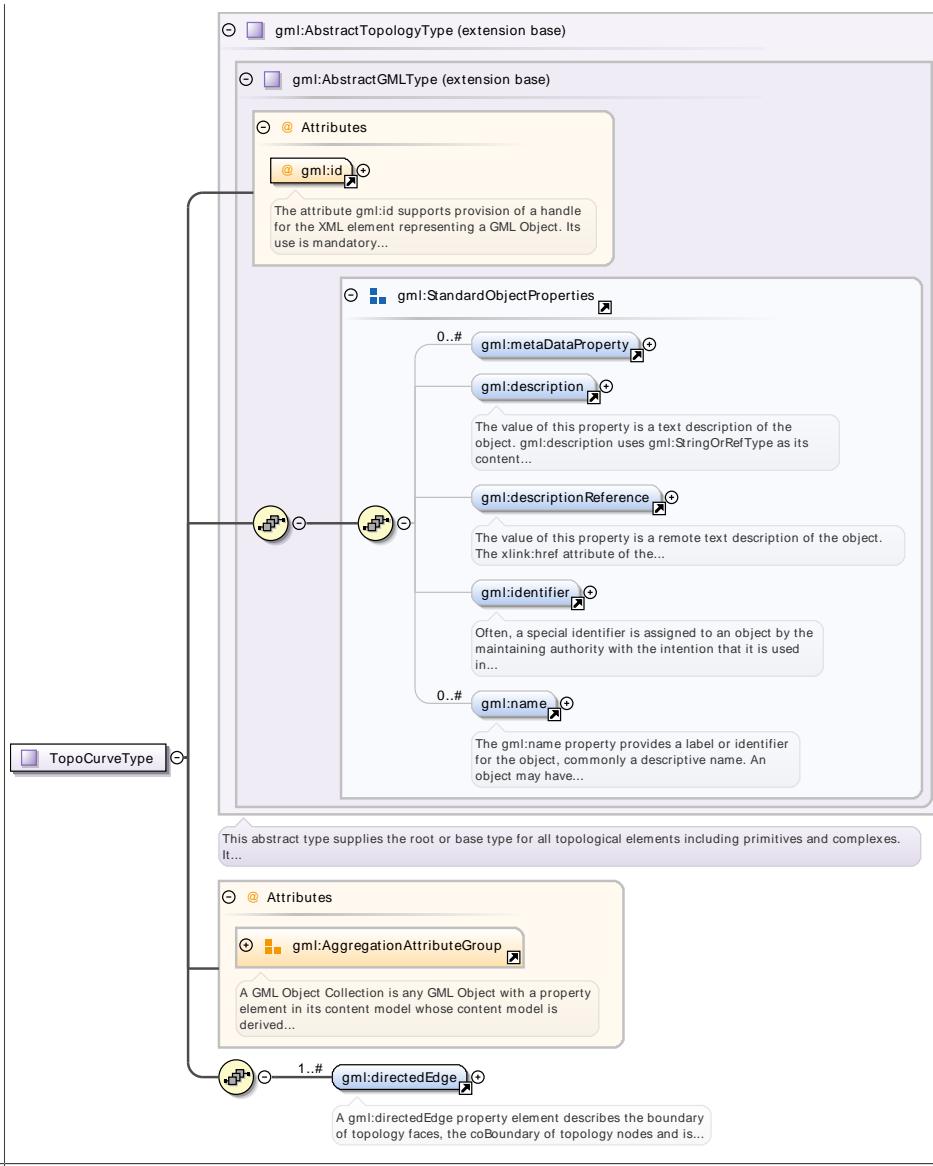
Complex Type `gml:TopoPointPropertyType`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<p>The diagram shows the structure of the <code>gml:TopoPointPropertyType</code> extension. It includes attributes like <code>gml:OwnershipAttributeGroup</code> and <code>gml:TopoPoint</code>. A note states: "The intended use of <code>gml:TopoPoint</code> is to appear within a point feature to express the structural and possibly geometric...".</p>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>owns</code></td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	<code>owns</code>	boolean	false	optional
QName	Type	Default	Use						
<code>owns</code>	boolean	false	optional						

Complex Type `gml:TopoCurveType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractTopologyType</code>
------	----------------------------------------------------

Attributes	QName	Type	Use
	aggregationType	<code>gml:AggregationType</code>	optional
	gml:id	ID	required
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type `gml:TopoCurvePropertyType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>This diagram shows the structure of the <code>TopoCurvePropertyType</code> complex type. It includes the following components:</p> <ul style="list-style-type: none"> Attributes (under <code>gml:TopoCurvePropertyType</code>): <ul style="list-style-type: none"> gml:OwnershipAttributeGroup: An attribute group for ownership. gml:TopoCurve: A property of type <code>gml:TopoCurveType</code>. It represents a homogeneous topological expression, a sequence of directed edges. <p>A note at the bottom of the diagram states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..."</p>

Attributes	QName	Type	Default	Use	
	owns	boolean	false	optional	

Complex Type **gml:TopoSurfaceType**

Namespace	http://www.opengis.net/gml/3.2																								
Diagram	<p>This diagram illustrates the structure of the gml:TopoSurfaceType complex type. It is an extension of gml:AbstractTopologyType and gml:AbstractGMLType. The type includes attributes for metadata (gml:metaDataProperty), description (gml:description and gml:descriptionReference), identifier (gml:identifier), and name (gml:name). It also features an aggregation relationship to gml:AggregationAttributeGroup and a directed face property (gml:directedFace).</p>																								
Type	extension of gml:AbstractTopologyType																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> <td></td> <td></td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> <td></td> </tr> <tr> <td></td> <td colspan="4">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> </tbody> </table>					QName	Type	Use			aggregationType	gml:AggregationType	optional			gml:id	ID	required				The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
QName	Type	Use																							
aggregationType	gml:AggregationType	optional																							
gml:id	ID	required																							
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																								

Complex Type **gml:TopoSurfacePropertyType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<p>TopoSurfacePropertyType</p> <p>gml:OwnershipAttributeGroup</p> <p>gml:TopoSurface</p> <p>gml:TopoSurface represents a homogeneous topological expression, a set of directed faces, which if realised are...</p>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>owns</td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Complex Type gml:TopoVolumeType

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<p>gml:AbstractTopologyType (extension base)</p> <p>gml:AbstractGMLType (extension base)</p> <p>gml:id</p> <p>gml:StandardObjectProperties</p> <ul style="list-style-type: none"> gml:metaDataProperty gml:description gml:descriptionReference gml:identifier gml:name <p>This abstract type supplies the root or base type for all topological elements including primitives and complexes. It...</p> <p>gml:AggregationAttributeGroup</p> <p>gml:directedTopoSolid</p> <p>gml:TopoVolumeType</p>									
Type	extension of gml:AbstractTopologyType									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>aggregationType</td> <td>gml:AggregationType</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional	gml:id	ID	required
QName	Type	Use								
aggregationType	gml:AggregationType	optional								
gml:id	ID	required								

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

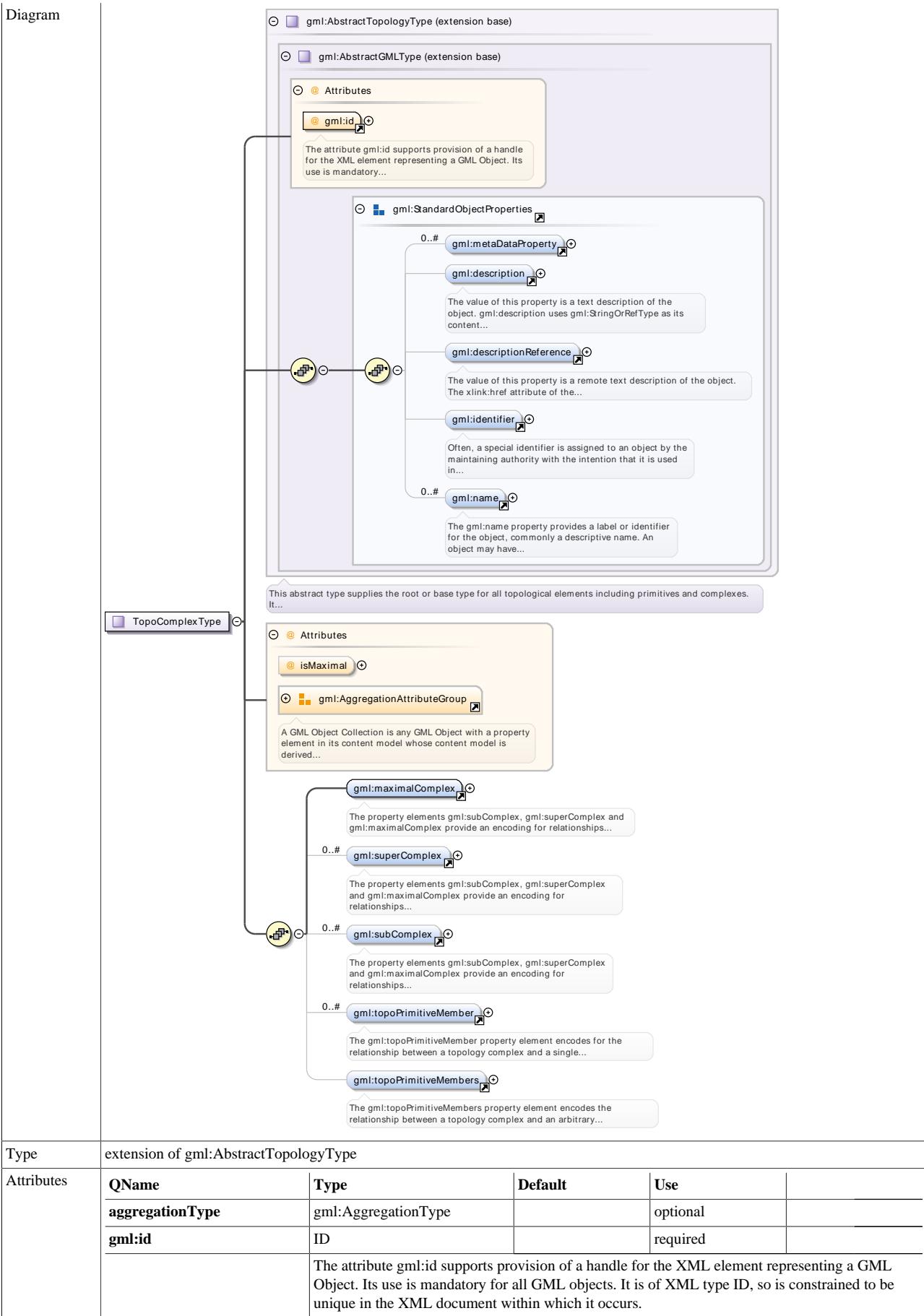
Complex Type **gml:TopoVolumePropertyType**

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>TopoVolumePropertyType</p> <p>gml:OwnershipAttributeGroup</p> <p>gml:TopoVolume</p> <p>Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...</p> <p>gml:TopoVolume represents a homogeneous topological expression, a set of directed topologic solids, which if realised...</p>				
Attributes	QName	Type	Default	Use	
	owns	boolean	false	optional	

Complex Type **gml:TopoComplexType**

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram



QName	Type	Default	Use
isMaximal	boolean	false	optional

Complex Type `gml:TopoComplexPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:TopoComplexPropertyType</code>. It is derived from <code>gml:TopoComplex</code> (indicated by a line with a diamond symbol). The <code>gml:TopoComplex</code> type is described as a collection of topological primitives, where each complex holds a reference to its maximal complex. The <code>gml:TopoComplexPropertyType</code> also inherits attributes from the <code>gml:AssociationAttributeGroup</code>, which are used for hypertext referencing in XML.</p>				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	anyURI		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:TopoPrimitiveMemberType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:TopoPrimitiveMemberType</code>. It is derived from <code>gml:AbstractTopoPrimitive</code> (indicated by a line with a diamond symbol). The <code>gml:AbstractTopoPrimitive</code> type acts as the base type for all topological primitives. The <code>gml:TopoPrimitiveMemberType</code> also inherits attributes from the <code>gml:AssociationAttributeGroup</code> and <code>gml:OwnershipAttributeGroup</code>. The <code>gml:OwnershipAttributeGroup</code> is used for encoding GML property inline vs. by-reference, without implying anything about the "ownership" of the contained or...</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:TopoPrimitiveArrayAssociationType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<pre> classDiagram class TopoPrimitiveArrayAssociationType { <<gml:AbstractTopoPrimitive>> <<gml:OwnershipAttributeGroup>> owns : boolean [0..#] } </pre>				
Attributes	QName	Type	Default	Use	
	<code>owns</code>	boolean	false	optional	

Complex Type `gml:GeometricComplexType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<pre> classDiagram class GeometricComplexType { <<gml:AbstractGeometryType>> <<gml:StandardObjectProperties>> <<gml:SRSReferenceGroup>> <<gml:AggregationAttributeGroup>> } </pre>				
Type	extension of <code>gml:AbstractGeometryType</code>				

Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
	srDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional

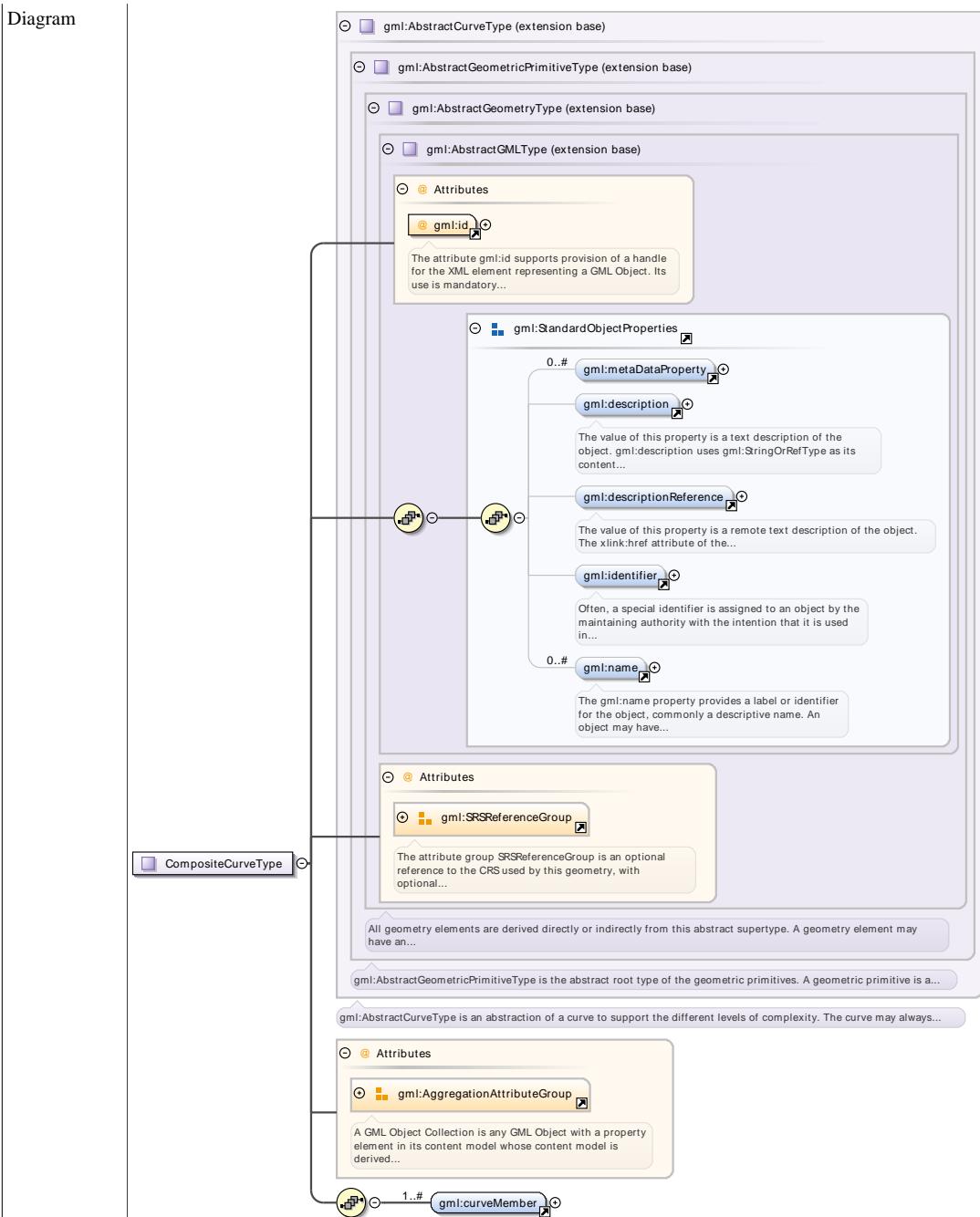
Complex Type **gml:GeometricComplexPropertyType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	A property that has a geometric complex as its value domain may either be an appropriate geometry element encapsulated in an element of this type or an XLink reference to a remote geometry element (where remote includes geometry elements located elsewhere in the same document). Either the reference or the contained element shall be given, but neither both nor none.				
Diagram	<p>The diagram illustrates the structure of the gml:GeometricComplexPropertyType. It starts with a central box labeled GeometricComplexPropertyType. An arrow points from this box to a larger box containing two groups of attributes: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. Another arrow points from the GeometricComplexPropertyType box to a box containing the gml:GeometricComplex type, which includes gml:CompositeCurve, gml:CompositeSurface, and gml:CompositeSolid.</p>				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Complex Type **gml:CompositeCurveType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



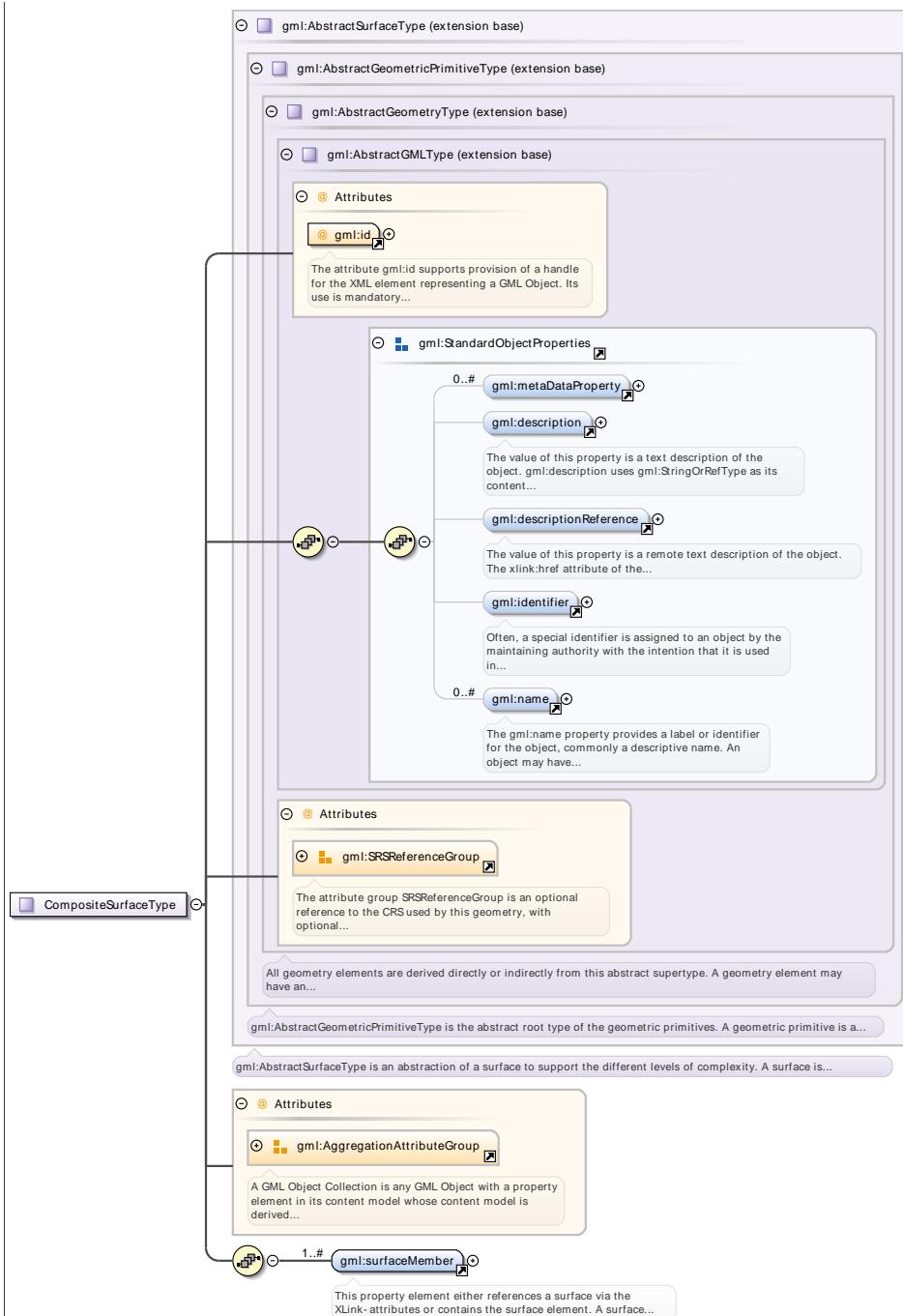
Type extension of `gml:AbstractCurveType`

Type	extension of <code>gml:AbstractCurveType</code>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td><code>srsDimension</code></td> <td><code>positiveInteger</code></td> <td>optional</td> </tr> <tr> <td><code>srsName</code></td> <td><code>anyURI</code></td> <td>optional</td> </tr> <tr> <td><code>uomLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		<code>srsDimension</code>	<code>positiveInteger</code>	optional	<code>srsName</code>	<code>anyURI</code>	optional	<code>uomLabels</code>	<code>gml:NCNameList</code>	optional
QName	Type	Use																							
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional																							
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																							
<code>gml:id</code>	ID	required																							
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																								
<code>srsDimension</code>	<code>positiveInteger</code>	optional																							
<code>srsName</code>	<code>anyURI</code>	optional																							
<code>uomLabels</code>	<code>gml:NCNameList</code>	optional																							

Complex Type `gml:CompositeSurfaceType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractSurfaceType</code>		
Attributes	QName	Type	Use
	aggregationType	<code>gml:AggregationType</code>	optional
	axisLabels	<code>gml:NCNameList</code>	optional
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	<code>gml:NCNameList</code>	optional

Complex Type `gml:CompositeSolidType`

Namespace	http://www.opengis.net/gml/3.2																					
Diagram	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p>																					
Type	extension of <code>gml:AbstractSolidType</code>																					
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> <tr> <td><code>srsDimension</code></td> <td><code>positiveInteger</code></td> <td>optional</td> </tr> <tr> <td><code>srsName</code></td> <td><code>anyURI</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		<code>srsDimension</code>	<code>positiveInteger</code>	optional	<code>srsName</code>	<code>anyURI</code>	optional
QName	Type	Use																				
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional																				
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																				
<code>gml:id</code>	ID	required																				
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.																					
<code>srsDimension</code>	<code>positiveInteger</code>	optional																				
<code>srsName</code>	<code>anyURI</code>	optional																				

QName	Type	Use
uomLabels	gml:NCNameList	optional

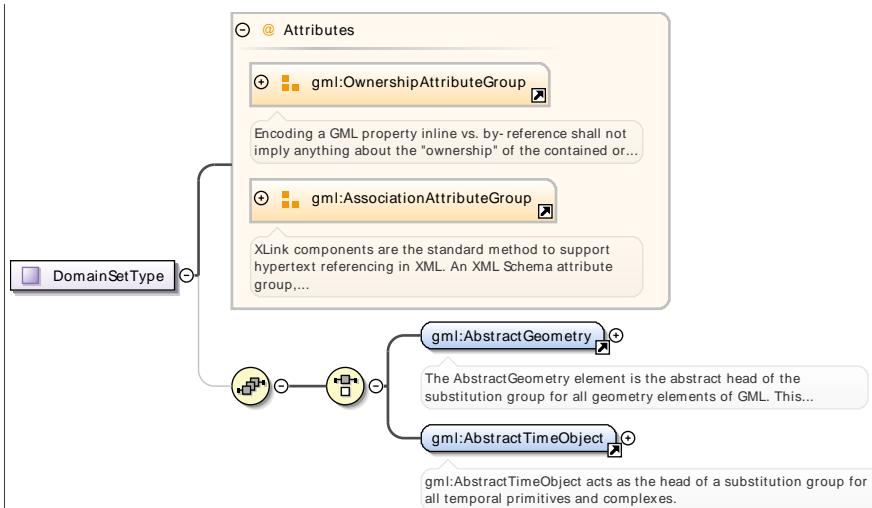
Complex Type `gml:AbstractCoverageType`

Namespace	http://www.opengis.net/gml/3.2									
Annotations	The base type for coverages is <code>gml:AbstractCoverageType</code> . The basic elements of a coverage can be seen in this content model: the coverage contains <code>gml:domainSet</code> and <code>gml:rangeSet</code> properties. The <code>gml:domainSet</code> property describes the domain of the coverage and the <code>gml:rangeSet</code> property describes the range of the coverage.									
Diagram	<p>The diagram illustrates the structure of the <code>gml:AbstractCoverageType</code> complex type. It is an extension of <code>gml:AbstractFeatureType</code> and <code>gml:AbstractGMLType</code>. The <code>gml:AbstractFeatureType</code> base type includes properties for <code>gml:id</code> (mandatory), <code>gml:metaDataProperty</code> (0..#), <code>gml:description</code>, <code>gml:descriptionReference</code>, <code>gml:identifier</code>, and <code>gml:name</code> (0..#). The <code>gml:AbstractGMLType</code> base type includes <code>gml:boundedBy</code> and <code>gml:location</code>. The <code>gml:AbstractCoverageType</code> type adds the <code>gml:domainSet</code> and <code>gml:rangeSet</code> properties. Each property is accompanied by a detailed description box.</p>									
Type	extension of <code>gml:AbstractFeatureType</code>									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required			The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
<code>gml:id</code>	ID	required								
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

Complex Type `gml:DomainSetType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

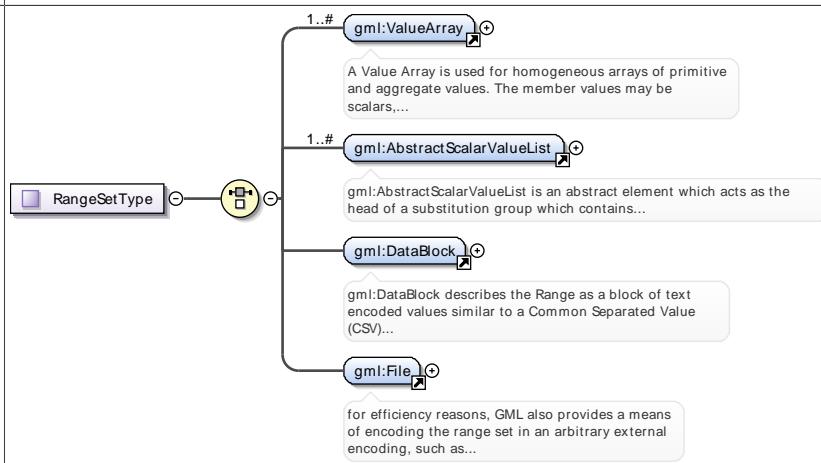


Attributes

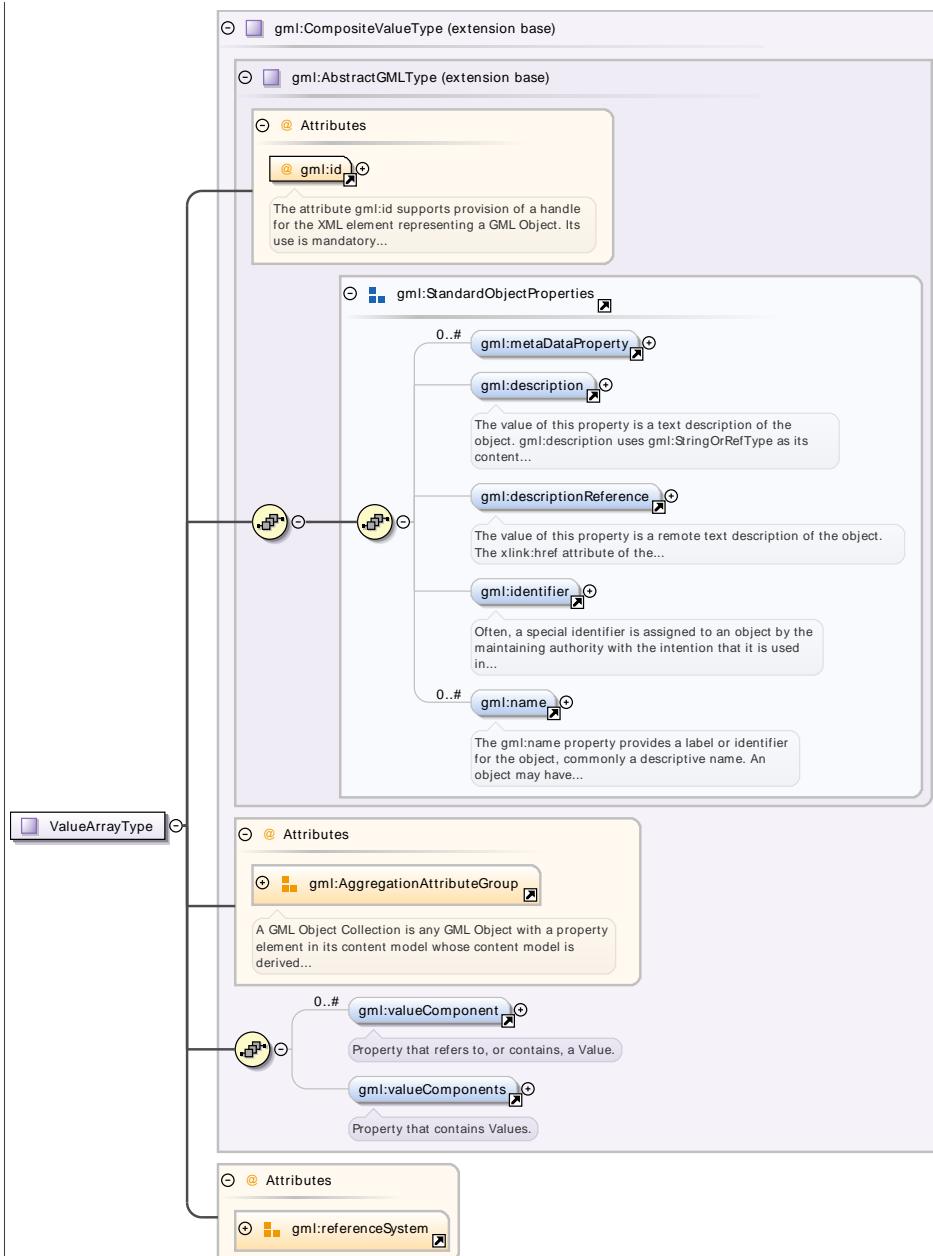
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:RangeSetType`Namespace <http://www.opengis.net/gml/3.2>

Diagram

Complex Type `gml:ValueArrayType`Namespace <http://www.opengis.net/gml/3.2>

Diagram



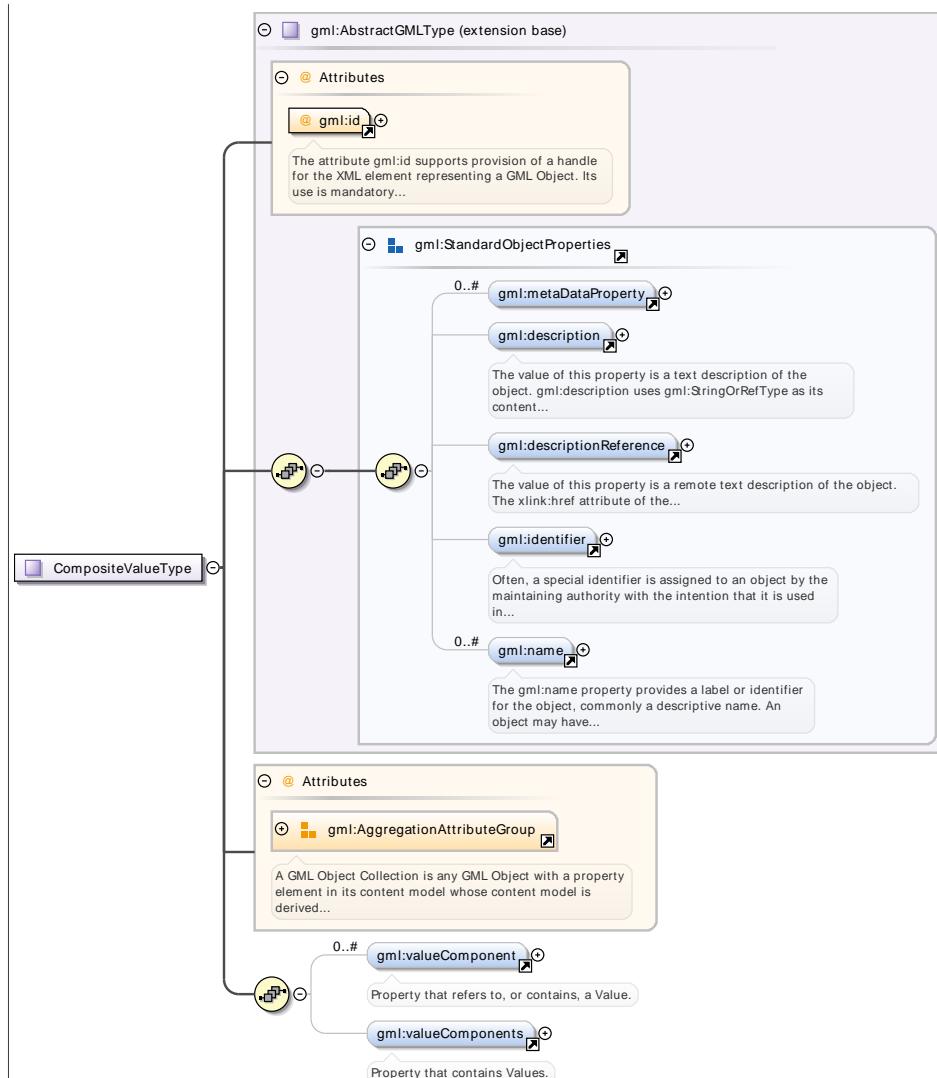
Type extension of `gml:CompositeValueType`

Attributes	QName	Type	Use	
	aggregationType	<code>gml:AggregationType</code>	optional	
	codeSpace	<code>anyURI</code>	optional	
	gml:id	ID	required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	uom	<code>gml:UomIdentifier</code>	optional	

Complex Type `gml:CompositeValueType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

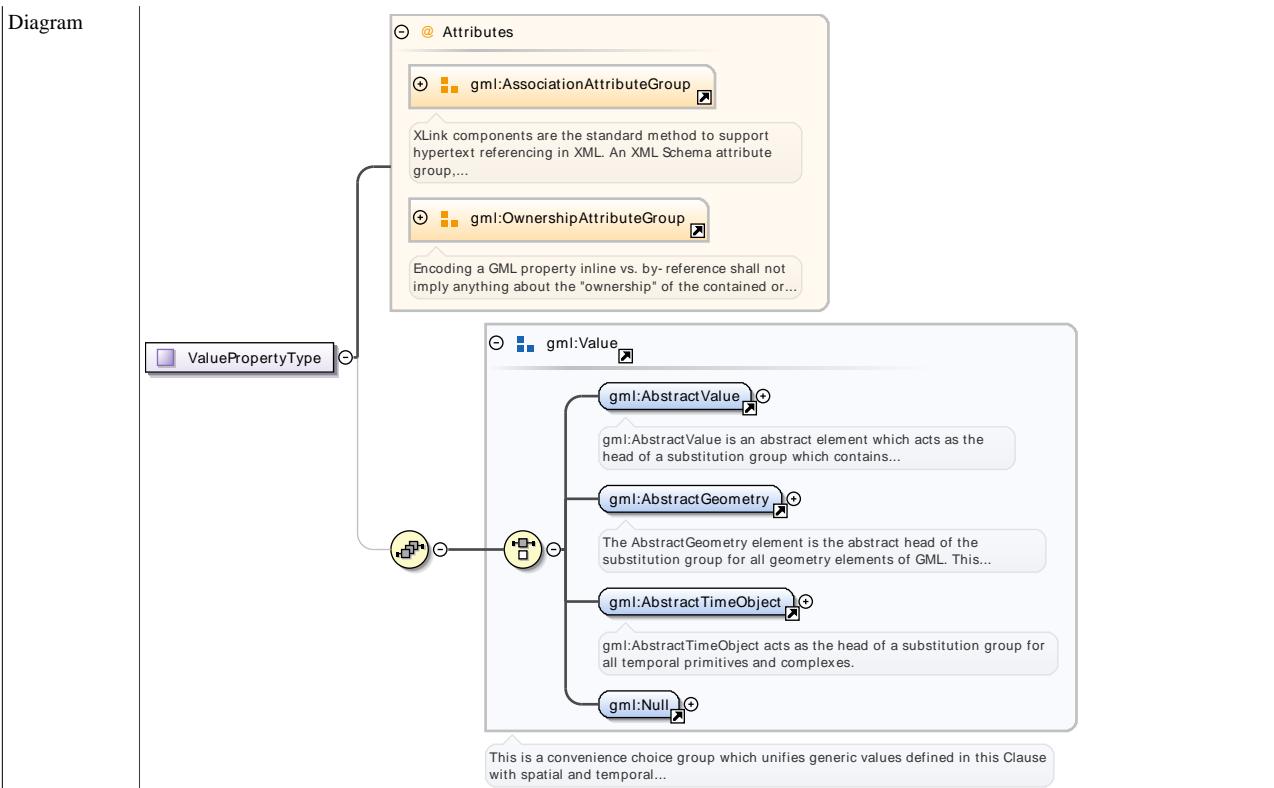
Diagram



Type	extension of gml:AbstractGMLType		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type gml:ValuePropertyType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

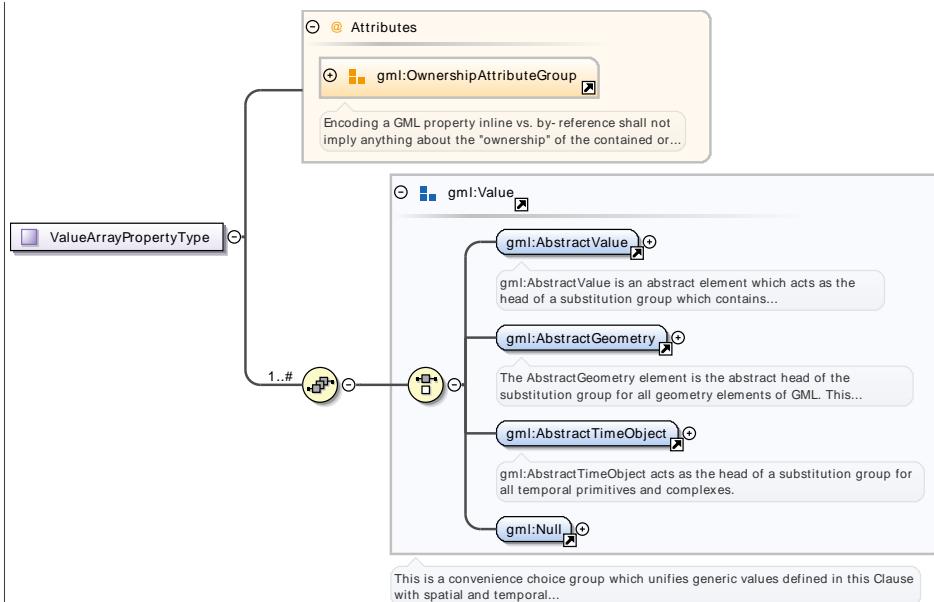


Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Complex Type `gml:ValueArrayPropertyType`

Namespace <http://www.opengis.net/gml/3.2>

Diagram



Attributes

	QName	Type	Default	Use	
	<code>owns</code>	boolean	false	optional	

Complex Type `gml:DataBlockType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The <code>DataBlockType</code> class inherits from <code>gml:rangeParameters</code>. It has attributes for <code>gml:tupleList</code> and <code>gml:doubleOrNillReasonList</code>. A note states: "gml:CoordinatesType consists of a list of coordinate tuples, with each coordinate tuple separated by the ts or tuple..." and "gml:doubleOrNillReasonList consists of a list of gml:doubleOrNillReason values, each separated by a whitespace. The...".</p>

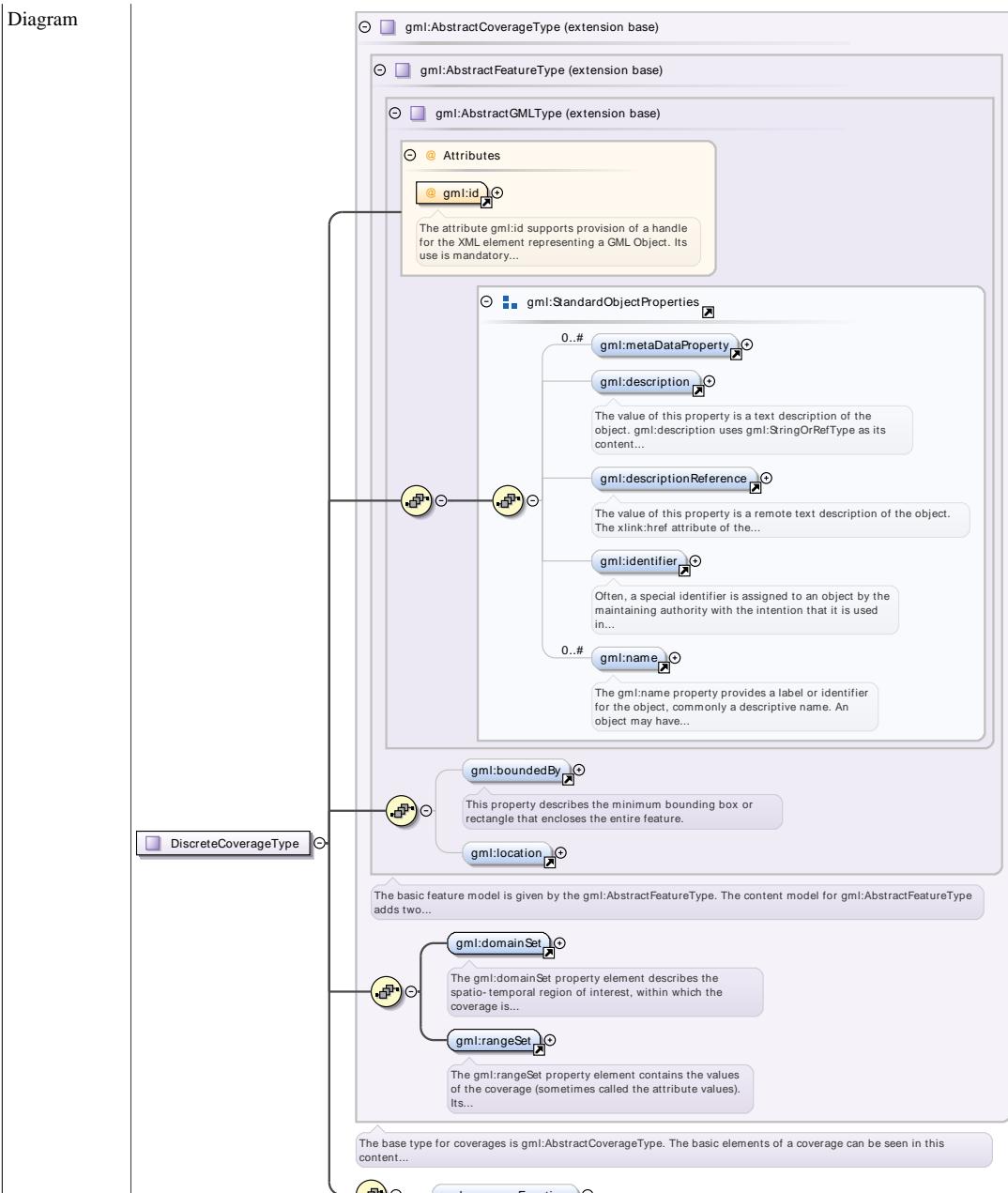
Complex Type `gml:FileType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The <code>FileType</code> class inherits from <code>gml:rangeParameters</code>. It has attributes for <code>fileName</code>, <code>fileReference</code>, <code>fileStructure</code>, <code>mimeType</code>, and <code>compression</code>.</p>

Complex Type `gml:DiscreteCoverageType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



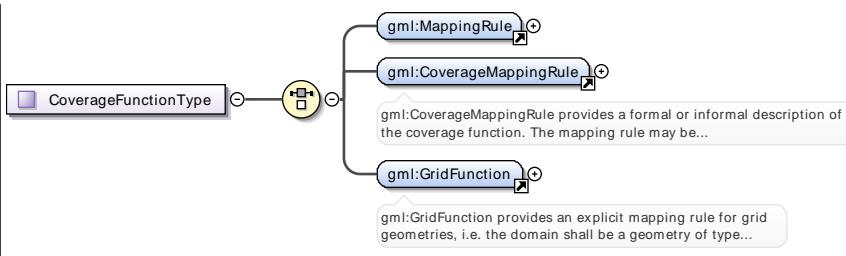
Type extension of **gml:AbstractCoverageType**

Type	QName	Type	Use	
Attributes	gml:id	ID	required	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type **gml:CoverageFunctionType**

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

**Complex Type `gml:MappingRuleType`**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Properties	final: extension, restriction

Complex Type `gml:GridFunctionType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	

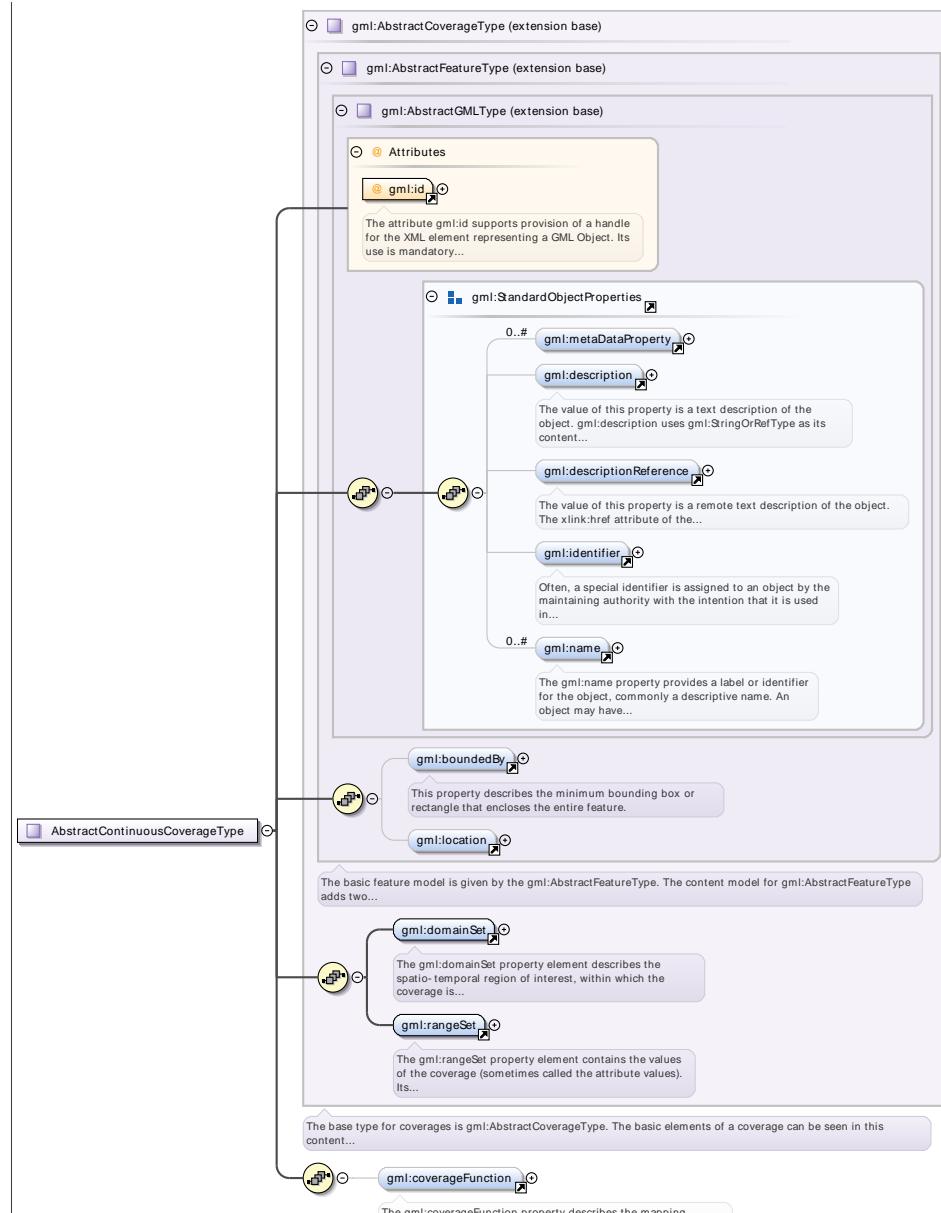
Complex Type `gml:SequenceRuleType`

Namespace	http://www.opengis.net/gml/3.2									
Annotations	The <code>gml:SequenceRuleType</code> is derived from the <code>gml:SequenceRuleEnumeration</code> through the addition of an <code>axisOrder</code> attribute. The <code>gml:SequenceRuleEnumeration</code> is an enumerated type. The rule names are defined in ISO 19123. If no rule name is specified the default is "Linear".									
Diagram										
Type	extension of <code>gml:SequenceRuleEnumeration</code>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>axisOrder</code></td> <td><code>gml:AxisDirectionList</code></td> <td>optional</td> </tr> <tr> <td><code>order</code></td> <td><code>gml:IncrementOrder</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>axisOrder</code>	<code>gml:AxisDirectionList</code>	optional	<code>order</code>	<code>gml:IncrementOrder</code>	optional
QName	Type	Use								
<code>axisOrder</code>	<code>gml:AxisDirectionList</code>	optional								
<code>order</code>	<code>gml:IncrementOrder</code>	optional								

Complex Type `gml:AbstractContinuousCoverageType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractCoverageType</code>									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td colspan="3">The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
QName	Type	Use								
<code>gml:id</code>	ID	required								
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.										

Complex Type `gml:CategoryExtentType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	<p>gml:CodeOrNilReasonListType (restriction base)</p> <p>gml:NameOrNilReasonList</p> <p>A type for a list of values of the respective simple type.</p> <p>Attributes</p> <p>@ codeSpace</p> <p>gml:CodeOrNilReasonListType provides for lists of terms. The values in an instance element shall all be valid according...</p>						
Type	restriction of gml:CodeOrNilReasonListType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>codeSpace</td> <td>anyURI</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	codeSpace	anyURI	optional
QName	Type	Use					
codeSpace	anyURI	optional					

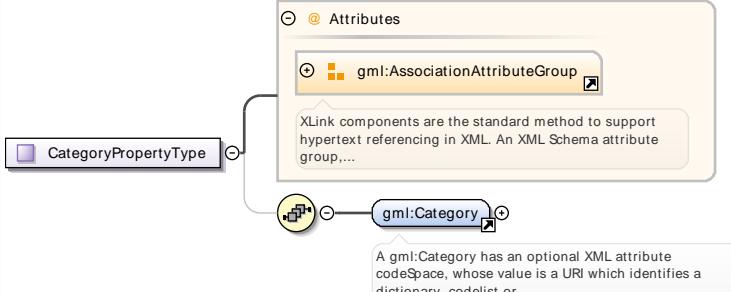
Complex Type gml:QuantityExtentType

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<p>gml:MeasureOrNilReasonListType (restriction base)</p> <p>gml:doubleOrNilReasonList</p> <p>A type for a list of values of the respective simple type.</p> <p>Attributes</p> <p>@ uom</p> <p>gml:MeasureOrNilReasonListType provides for a list of quantities. An instance element may also include embedded values...</p>						
Type	restriction of gml:MeasureOrNilReasonListType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>uom</td> <td>gml:UomIdentifier</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	uom	gml:UomIdentifier	required
QName	Type	Use					
uom	gml:UomIdentifier	required					

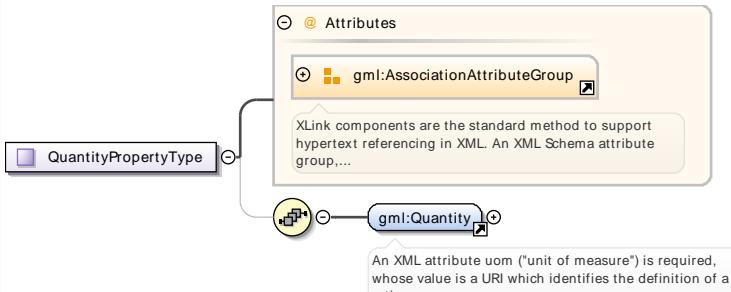
Complex Type gml:Boolean.PropertyType

Namespace	http://www.opengis.net/gml/3.2																																								
Diagram	<p>Attributes</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...</p> <p>gml:Boolean</p>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Complex Type `gml:CategoryPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <p>Diagram illustrating the structure of <code>gml:CategoryPropertyType</code>. The class <code>CategoryPropertyType</code> is associated with <code>gml:Category</code>. The <code>gml:Category</code> class has an attribute <code>gml:Category</code> which is part of an <code>gml:AssociationAttributeGroup</code>. A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,..."</p>				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	anyURI		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:QuantityPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	 <p>Diagram illustrating the structure of <code>gml:QuantityPropertyType</code>. The class <code>QuantityPropertyType</code> is associated with <code>gml:Quantity</code>. The <code>gml:Quantity</code> class has an attribute <code>gml:Quantity</code> which is part of an <code>gml:AssociationAttributeGroup</code>. A note states: "An XML attribute uom ("unit of measure") is required, whose value is a URI which identifies the definition of a ratio..."</p>				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	anyURI		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:CountPropertyType`

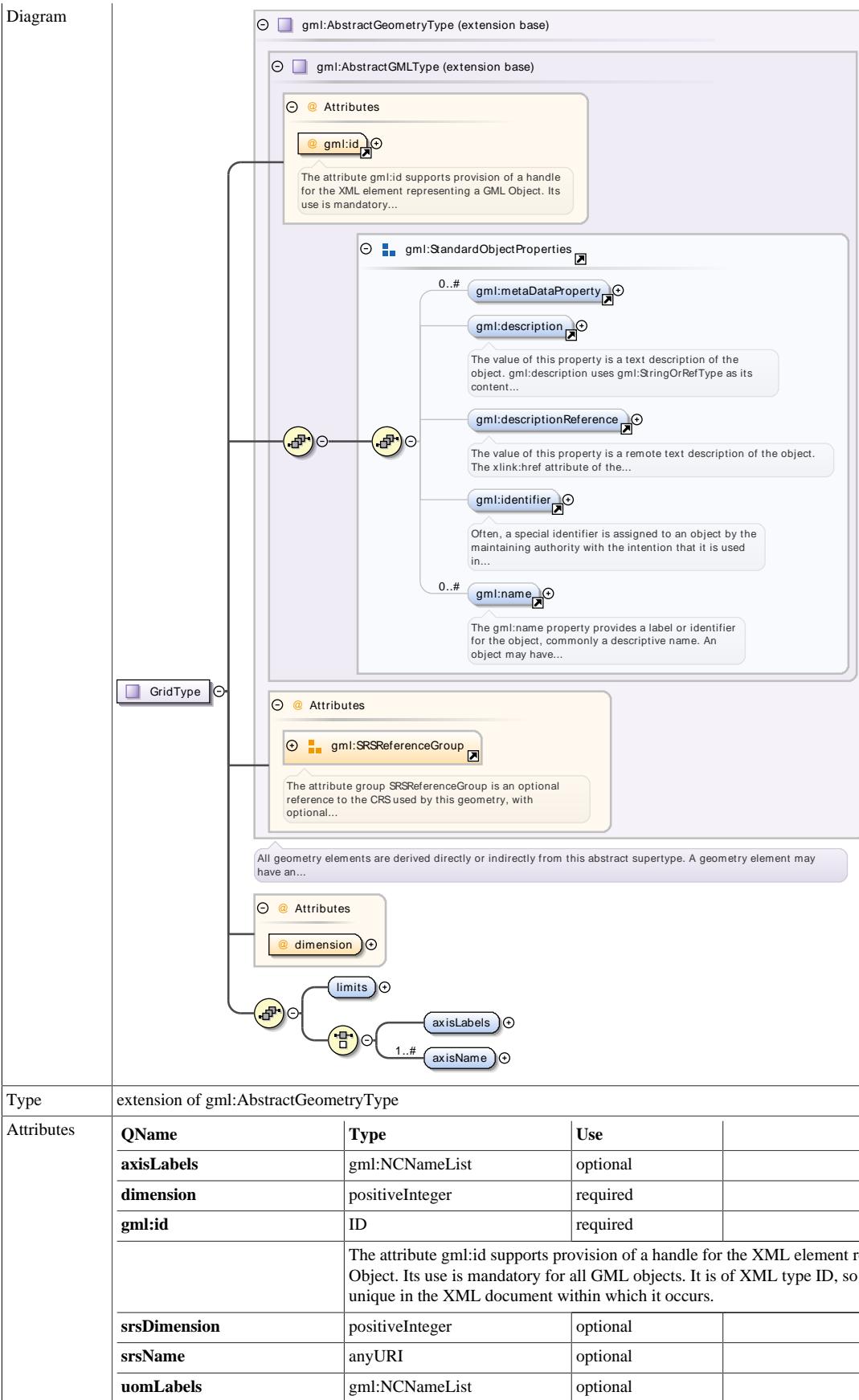
Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram	<p>The diagram shows a class named 'CountPropertyType' with an association to an 'Attributes' group. This group contains an 'AssociationAttributeGroup' named 'gml:AssociationAttributeGroup'. This group is annotated with a note: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'. A further association leads to a class named 'gml:Count'.</p>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td><td>anyURI</td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Complex Type **gml:GridType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of **gm1:AbstractGeometryType**

Type	Attributes	QName	Type	Use	
		axisLabels	gm1:NCNameList	optional	
		dimension	positiveInteger	required	
		gm1:id	ID	required	
			The attribute gm1:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
		srsDimension	positiveInteger	optional	
		srsName	anyURI	optional	
		uomLabels	gm1:NCNameList	optional	

Complex Type **gm1:GridLimitsType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------



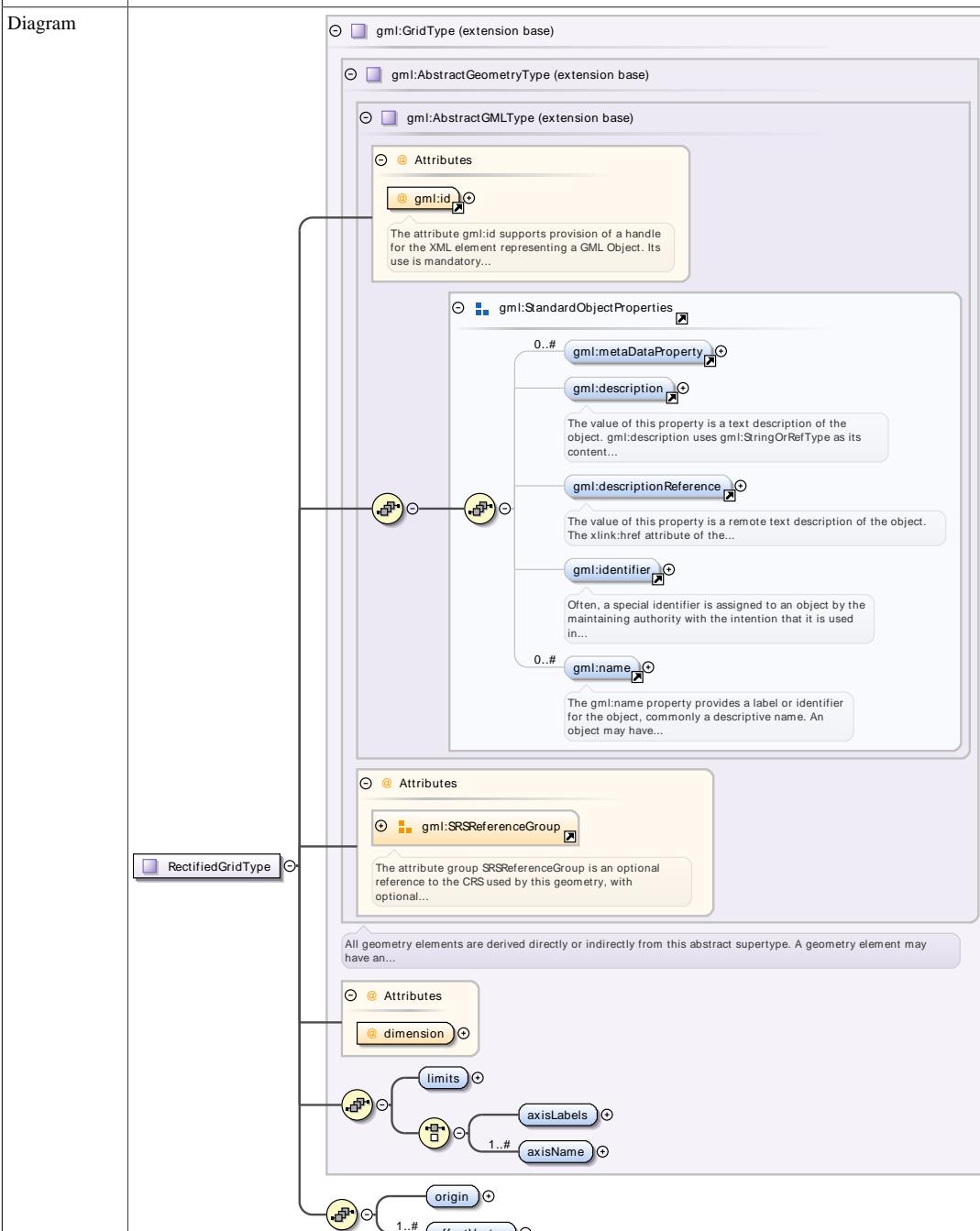
Complex Type `gml:GridEnvelopeType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------



Complex Type `gml:RectifiedGridType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------



Type	extension of <code>gml:GridType</code>
------	----------------------------------------

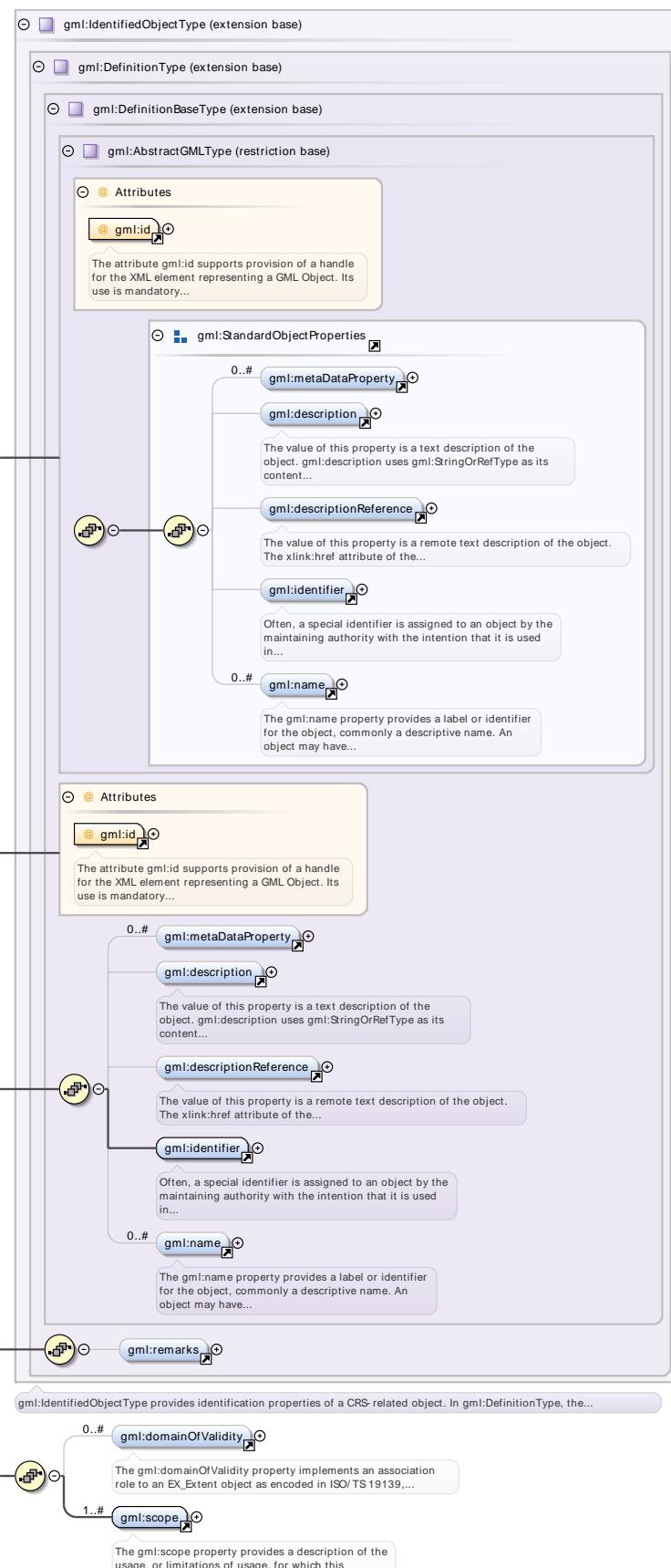
Attributes	QName	Type	Use
	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional

QName	Type	Use	
dimension	positiveInteger	required	
gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	

Complex Type **gml:AbstractCRSType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



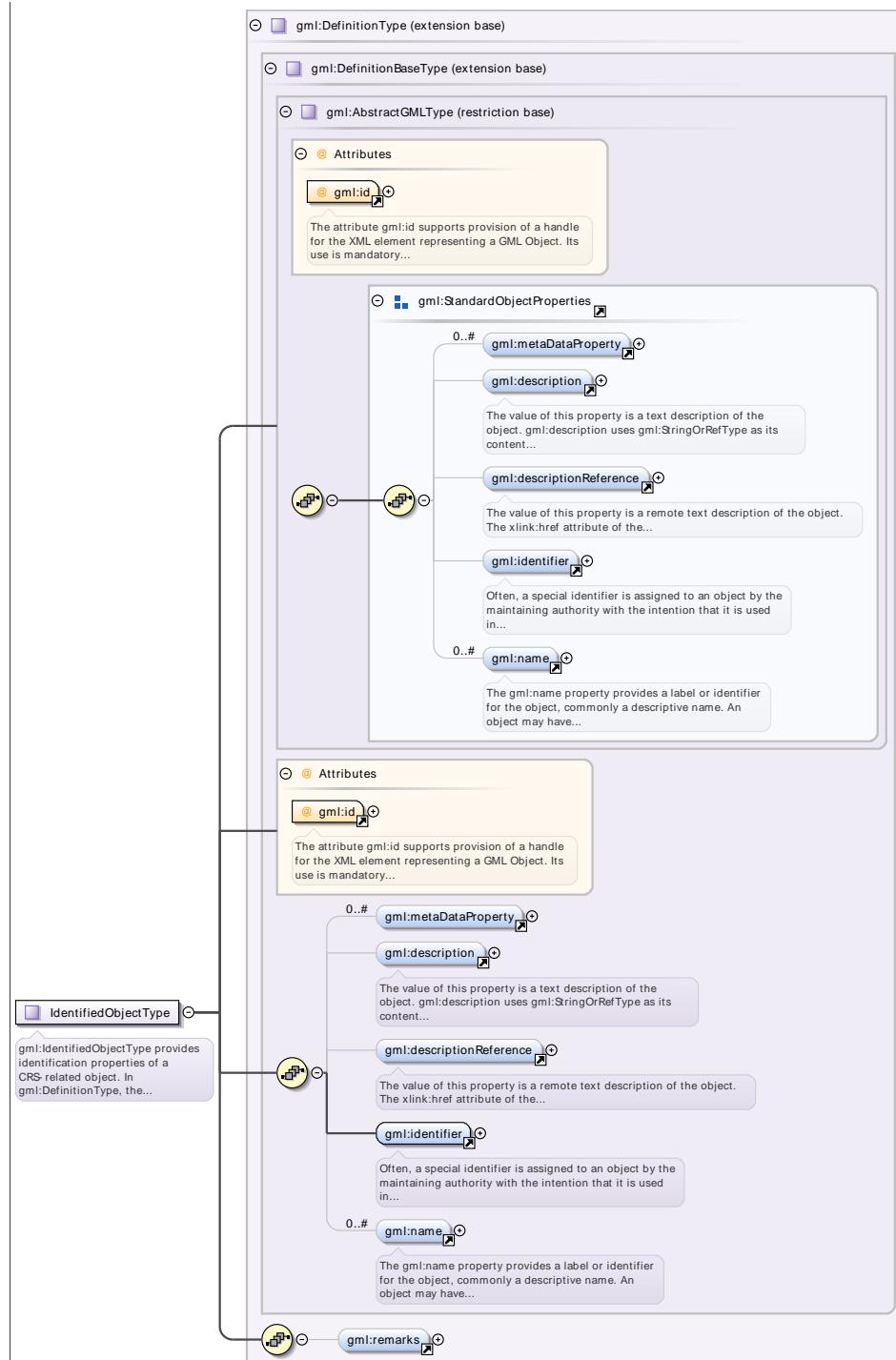
Type	extension of gml:IdentifiedObjectType
Properties	abstract: true

Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type **gml:IdentifiedObjectType**

Namespace	http://www.opengis.net/gml/3.2
Annotations	<p>gml:IdentifiedObjectType provides identification properties of a CRS-related object. In gml:DefinitionType, the gml:identifier element shall be the primary name by which this object is identified, encoding the "name" attribute in the UML model. Zero or more of the gml:name elements can be an unordered set of "identifiers", encoding the "identifier" attribute in the UML model. Each of these gml:name elements can reference elsewhere the object's defining information or be an identifier by which this object can be referenced. Zero or more other gml:name elements can be an unordered set of "alias" alternative names by which this CRS related object is identified, encoding the "alias" attributes in the UML model. An object may have several aliases, typically used in different contexts. The context for an alias is indicated by the value of its (optional) codeSpace attribute. Any needed version information shall be included in the codeSpace attribute of a gml:identifier and gml:name elements. In this use, the gml:remarks element in the gml:DefinitionType shall contain comments on or information about this object, including data source information.</p>

Diagram



Type	extension of gml:DefinitionType		
Properties	abstract: true		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type gml:SingleCRSPROPERTYType

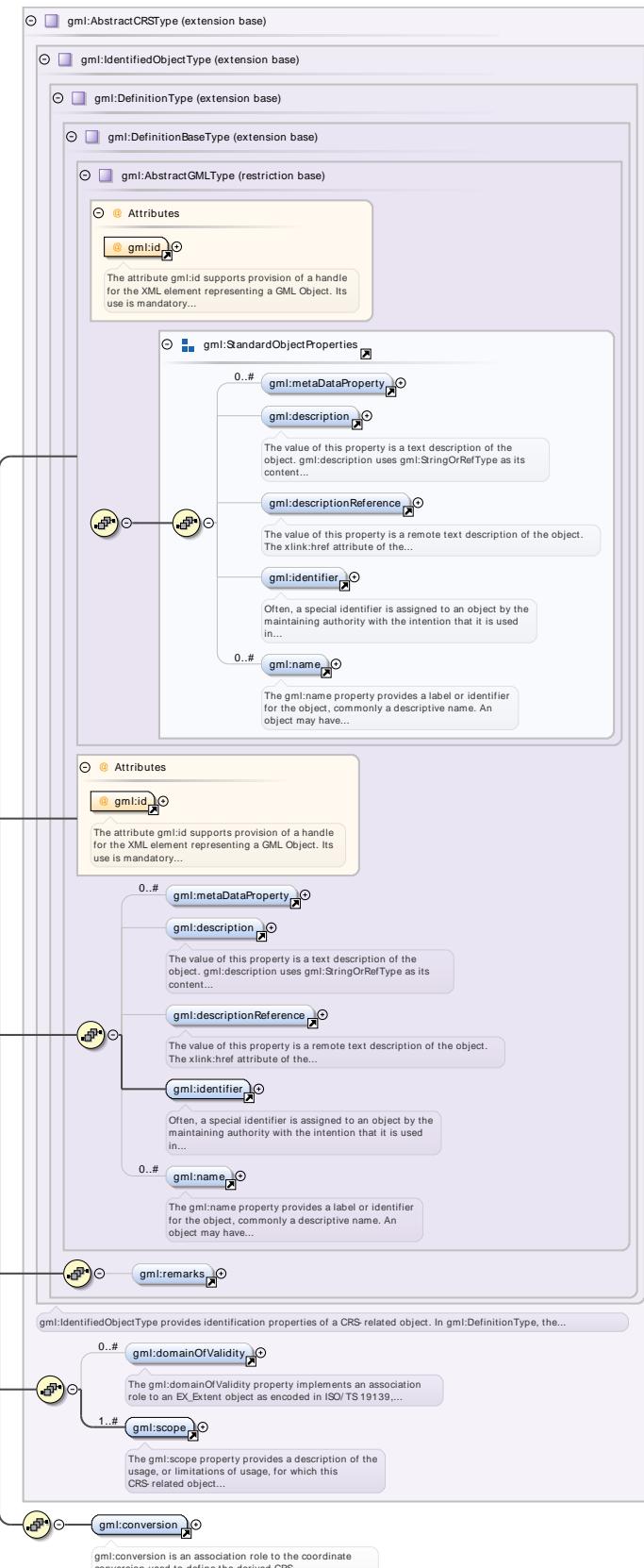
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	gml:SingleCRSPROPERTYType is a property type for association roles to a single coordinate reference system, either referencing or containing the definition of that coordinate reference system.																																								
Diagram	<pre> classDiagram class SingleCRSPROPERTYType class gml class gml:AssociationAttributeGroup class gml:AbstractSingleCRS SingleCRSPROPERTYType "1" -- "1" gml:AssociationAttributeGroup gml:AssociationAttributeGroup "*" -- "*" gml:AbstractSingleCRS </pre> <p>gml:SingleCRSPROPERTYType is a property type for association roles to a single coordinate reference system, either...</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p> <p>gml:AbstractSingleCRS</p> <p>gml:AbstractSingleCRS implements a coordinate reference system consisting of one coordinate system and one datum (as...)</p>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Complex Type gml:AbstractGeneralDerivedCRSType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of gml:AbstractCRSType		
Properties	abstract: true		
Attributes	QName	Type	Use
	gml:id	ID	required

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

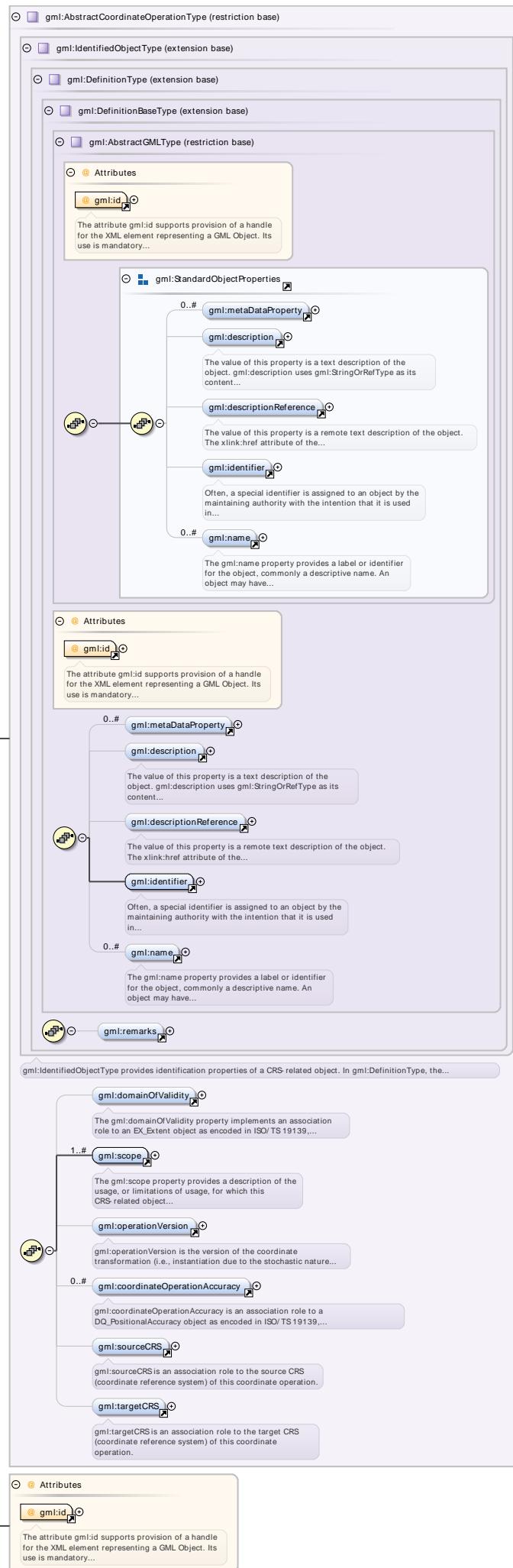
Complex Type **gml:GeneralConversionPropertyType**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:GeneralConversionPropertyType is a property type for association roles to a general conversion, either referencing or containing the definition of that conversion.			
Diagram				
Attributes				
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Complex Type **gml:AbstractGeneralConversionType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	restriction of <code>gml:AbstractCoordinateOperationType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:AbstractCoordinateOperationType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:IdentifiedObjectType</code>		
Properties	abstract: true		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

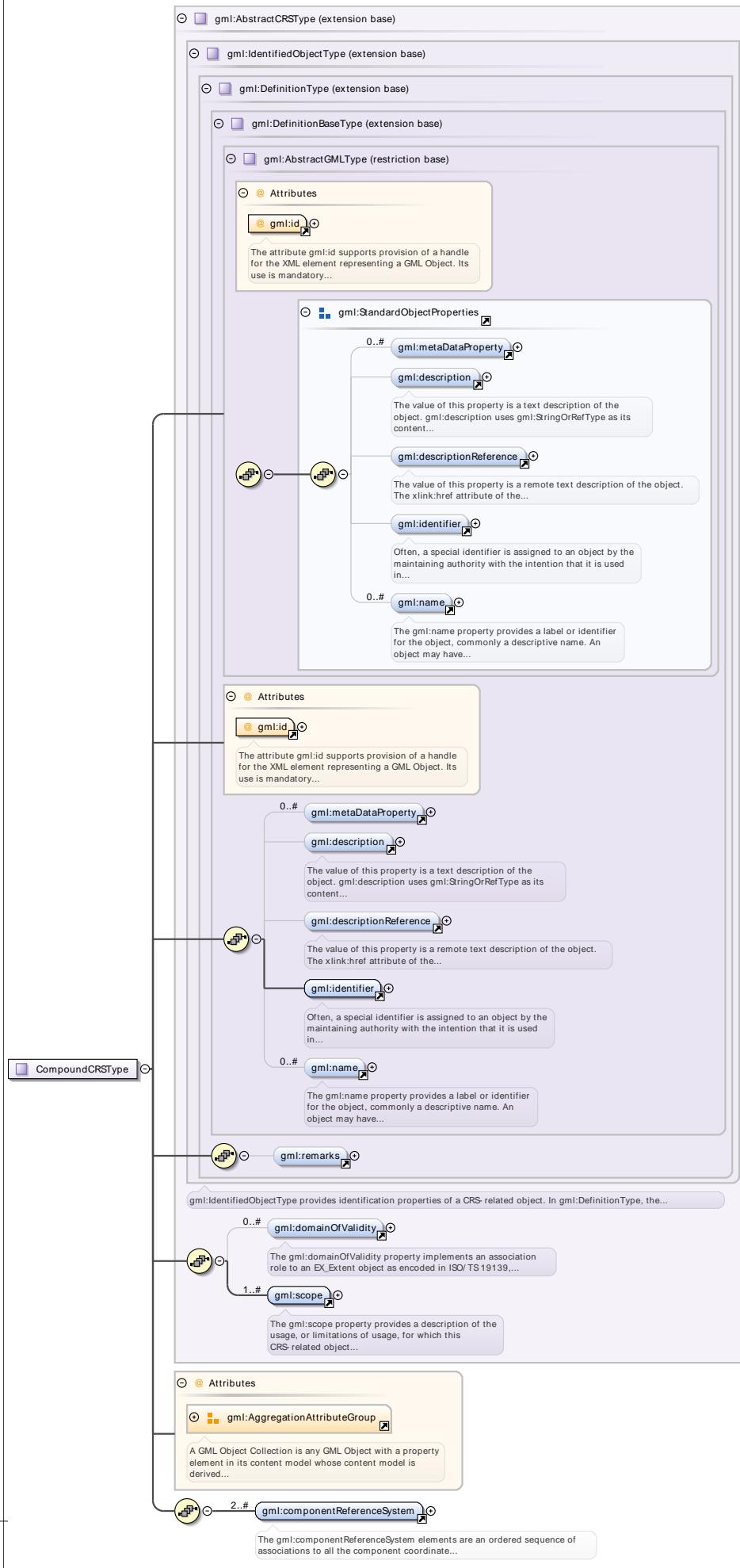
Complex Type `gml:CRSPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:CRSPropertyType is a property type for association roles to a CRS abstract coordinate reference system, either referencing or containing the definition of that CRS.			
Diagram				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:CompoundCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



gml:IdentifiedObjectType provides identification properties of a CRS-related object. In gml:DefinitionType, the...

- 0..# gml:domainOfValidity**

The gml:domainOfValidity property implements an association role to an EX_Extent object as encoded in ISO/TS 19139...
- 1..# gml:scope**

The gml:scope property provides a description of the usage, or limitations of usage, for which this CRS-related object...

Attributes

gml:AggregationAttributeGroup

A GML Object Collection is any GML Object with a property element in its content model whose content model is derived...

2..# gml:componentReferenceSystem

The gml:componentReferenceSystem elements are an ordered sequence of associations to all the component coordinate...

Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

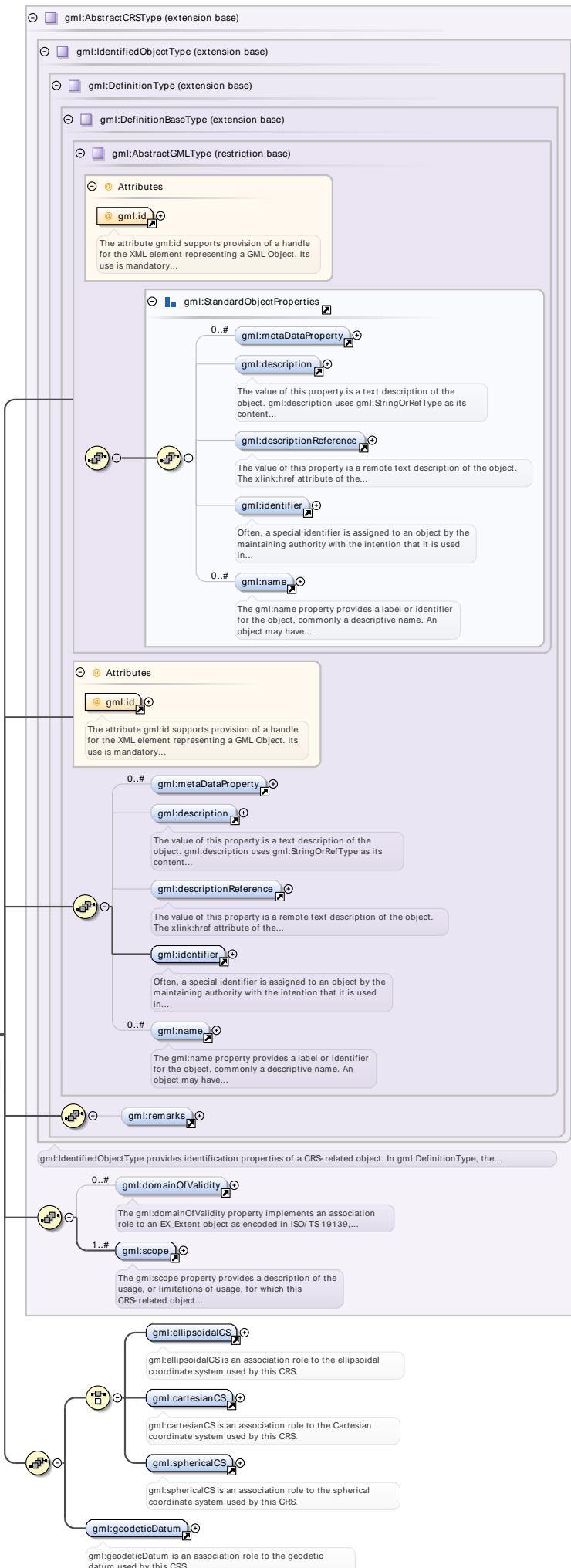
Complex Type `gml:CompoundCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:CompoundCRSPROPERTYType</code> is a property type for association roles to a compound coordinate reference system, either referencing or containing the definition of that reference system.		
Diagram	<pre> classDiagram class CompoundCRSPROPERTYType class gml { class AssociationAttributeGroup class CompoundCRS } CompoundCRSPROPERTYType "0..1" -- "2..*" gml::AssociationAttributeGroup gml::AssociationAttributeGroup "0..1" -- "2..*" gml::CompoundCRS note over gml::AssociationAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group.... note over gml::CompoundCRS: gml:CompoundCRS is a coordinate reference system describing the position of points through two or more independent... </pre>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:GeodeticCRSType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:GeodeticCRS</code> is a coordinate reference system based on a geodetic datum.

Diagram



Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

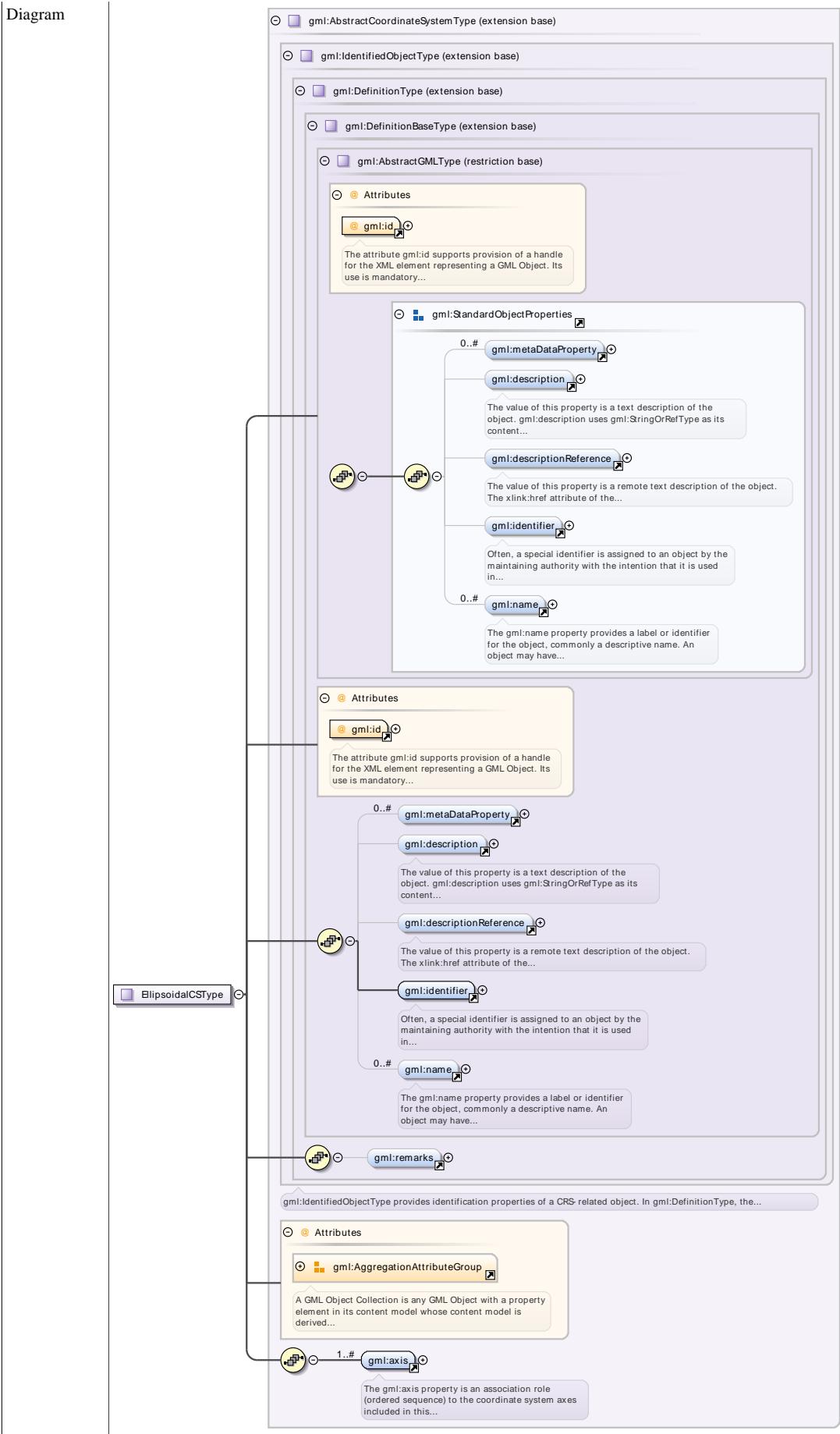
Complex Type `gml:EllipsoidalCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:EllipsoidalCSPropertyType</code> is a property type for association roles to an ellipsoidal coordinate system, either referencing or containing the definition of that coordinate system.		
Diagram	<p>The diagram illustrates the structure of <code>gml:EllipsoidalCSPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled <code>gml:AssociationAttributeGroup</code> is shown, with a note explaining XLink components support hypertext referencing in XML. Elements: A box labeled <code>gml:EllipsoidalCS</code> is shown, with a note explaining it is a two- or three-dimensional coordinate system. Associations: The type is associated with <code>gml:EllipsoidalCS</code>. 		
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:EllipsoidalCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

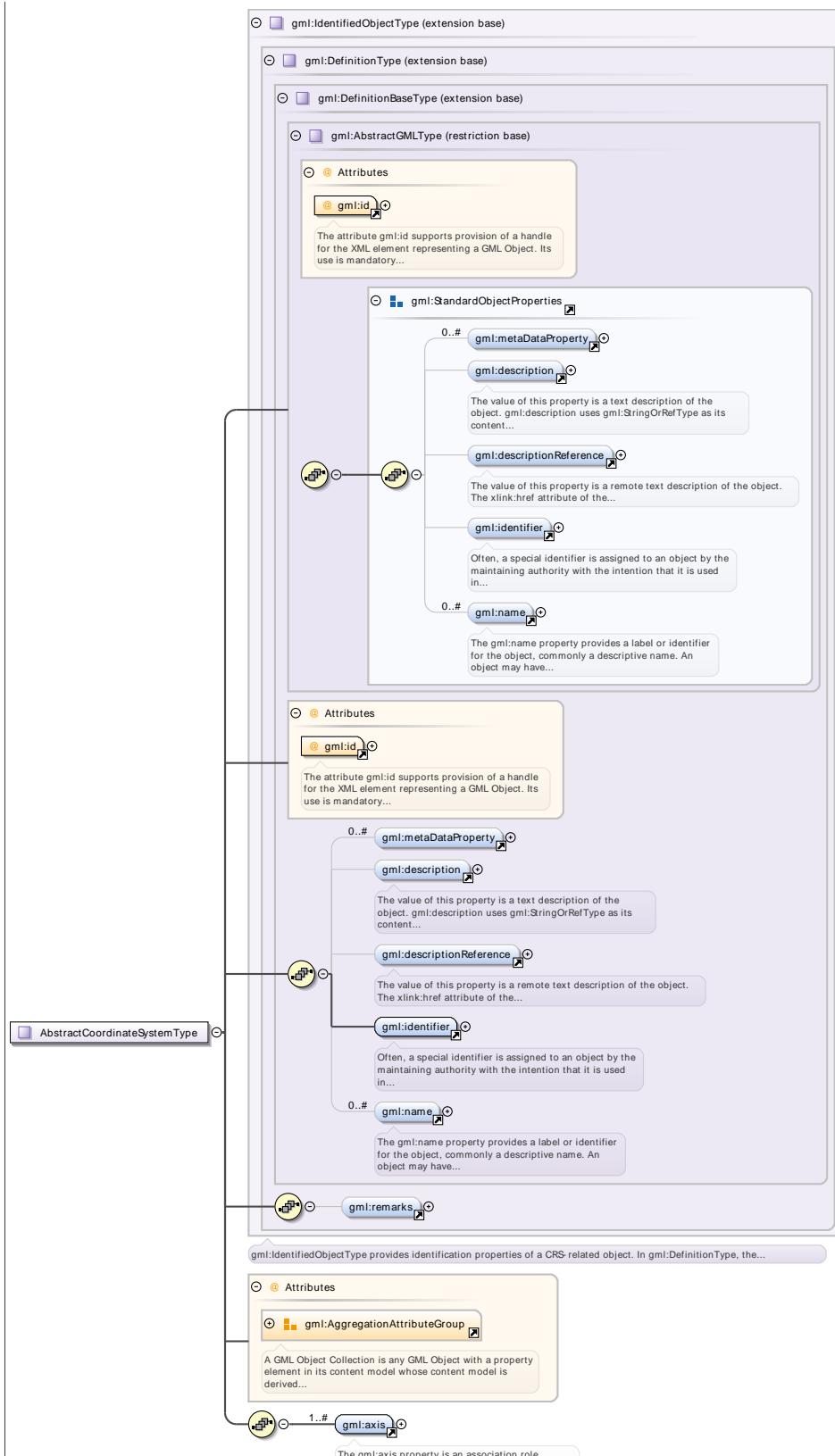


Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:AbstractCoordinateSystemType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of gml:IdentifiedObjectType		
Properties	abstract: true		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional

QName	Type	Use
gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

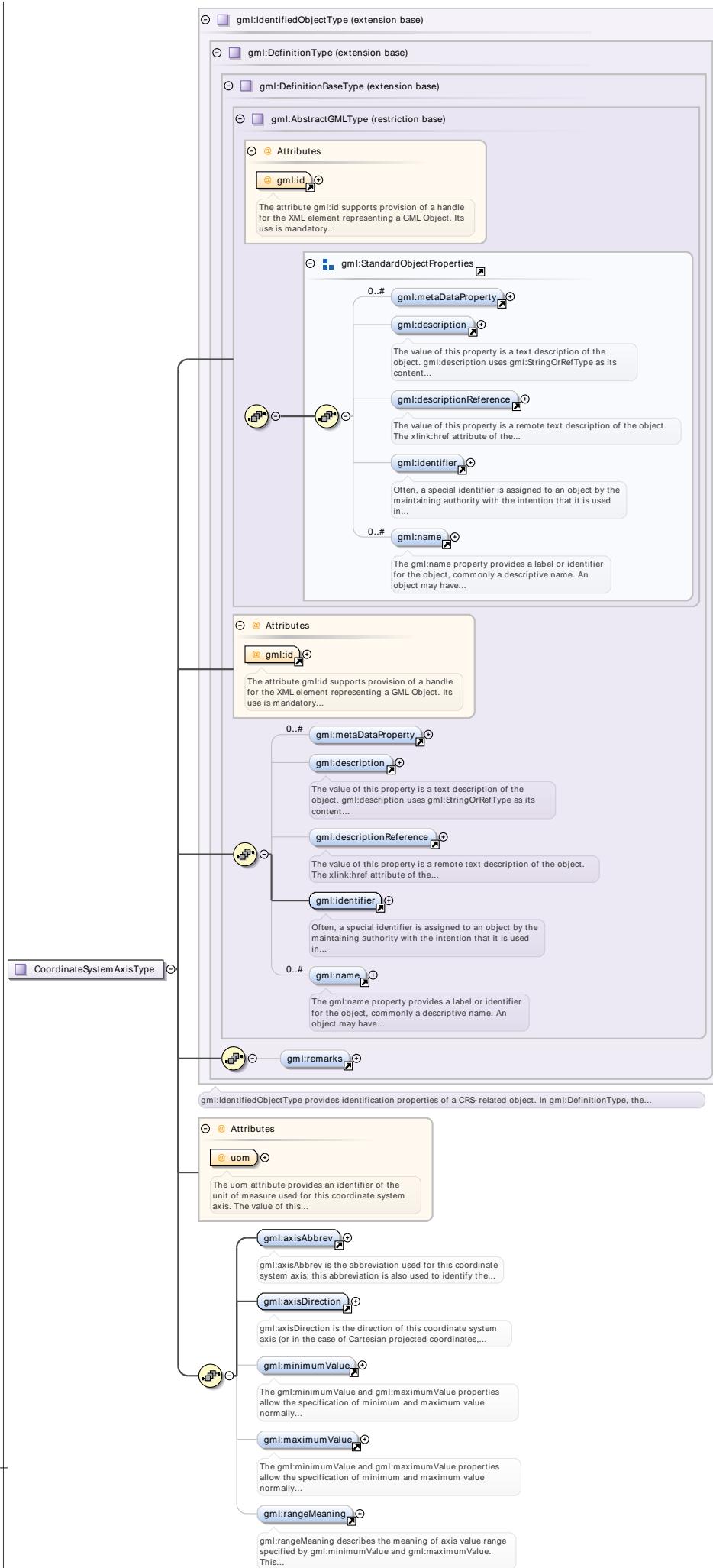
Complex Type **gml:CoordinateSystemAxisPropertyType**

Namespace	http://www.opengis.net/gml/3.2																																										
Annotations	gml:CoordinateSystemAxisPropertyType is a property type for association roles to a coordinate system axis, either referencing or containing the definition of that axis.																																										
Diagram																																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>			QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																								
gml:remoteSchema	anyURI		optional																																								
nilReason	gml:NilReasonType		optional																																								
xlink:actuate	xlink:actuateType		optional																																								
xlink:arcrole	xlink:arcroleType		optional																																								
xlink:href	xlink:hrefType		optional																																								
xlink:role	xlink:roleType		optional																																								
xlink:show	xlink:showType		optional																																								
xlink:title	xlink:titleAttrType		optional																																								
xlink:type	xlink:typeType	simple	optional																																								

Complex Type **gml:CoordinateSystemAxisType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:IdentifiedObjectType</code>			
Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			
	uom	<code>gml:UomIdentifier</code>	required	
	The <code>uom</code> attribute provides an identifier of the unit of measure used for this coordinate system axis. The value of this coordinate in a coordinate tuple shall be recorded using this unit of measure, whenever those coordinates use a coordinate reference system that uses a coordinate system that uses this axis.			

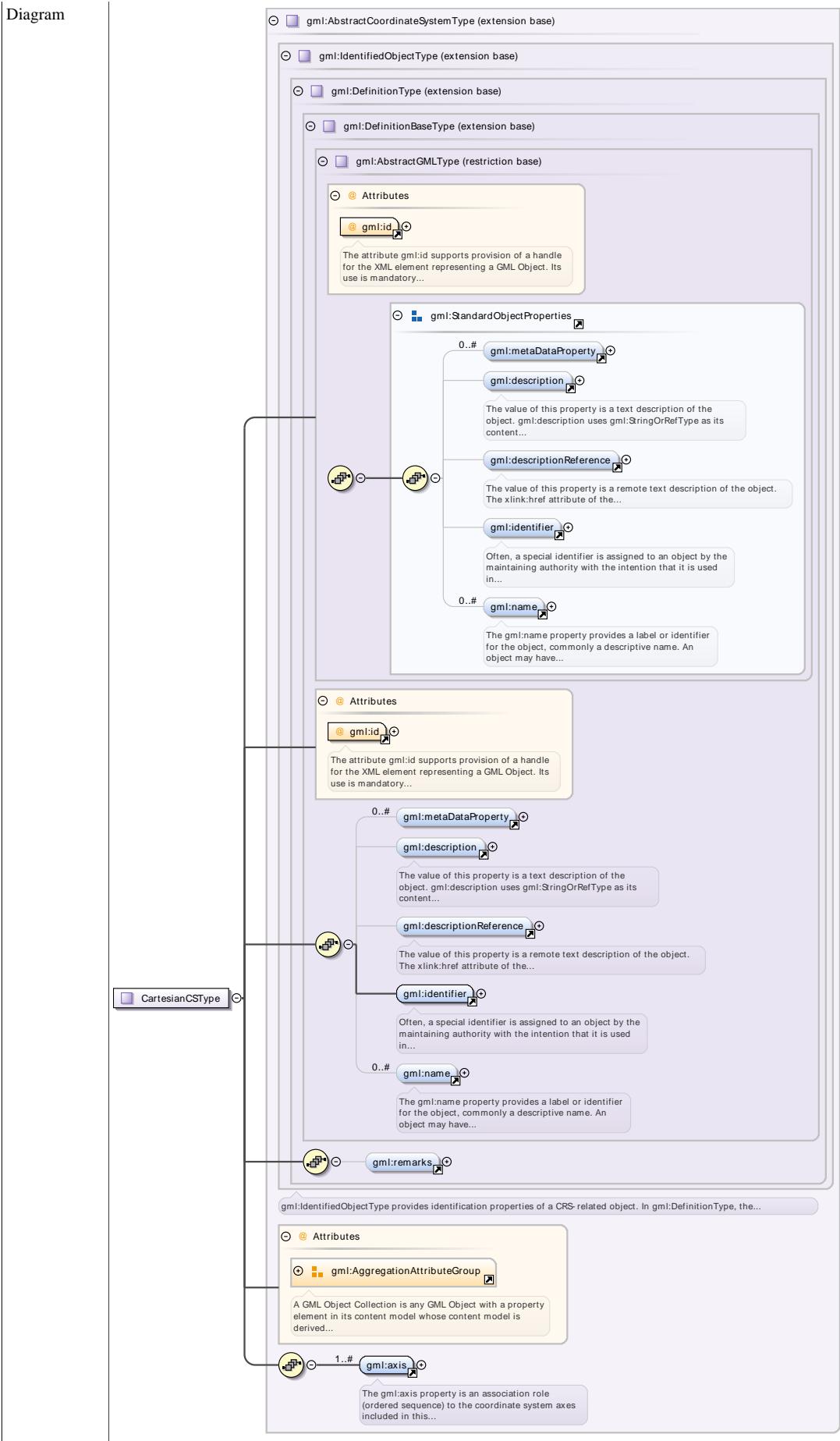
Complex Type `gml:CartesianCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:CartesianCSPropertyType</code> is a property type for association roles to a Cartesian coordinate system, either referencing or containing the definition of that coordinate system.			
Diagram	<p>The diagram illustrates the structure of the <code>gml:CartesianCSPropertyType</code>. It is a property type for association roles to a Cartesian coordinate system. It inherits from the <code>gml:AssociationAttributeGroup</code> and is associated with the <code>gml:CartesianCS</code> type. A callout box provides a detailed description of the <code>gml:CartesianCS</code> type.</p>			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	<code>gml:NilReasonType</code>		optional
	xlink:actuate	<code>xlink:actuateType</code>		optional
	xlink:arcrole	<code>xlink:arcroleType</code>		optional
	xlink:href	<code>xlink:hrefType</code>		optional
	xlink:role	<code>xlink:roleType</code>		optional
	xlink:show	<code>xlink:showType</code>		optional
	xlink:title	<code>xlink:titleAttrType</code>		optional
	xlink:type	<code>xlink:typeType</code>	simple	optional

Complex Type `gml:CartesianCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

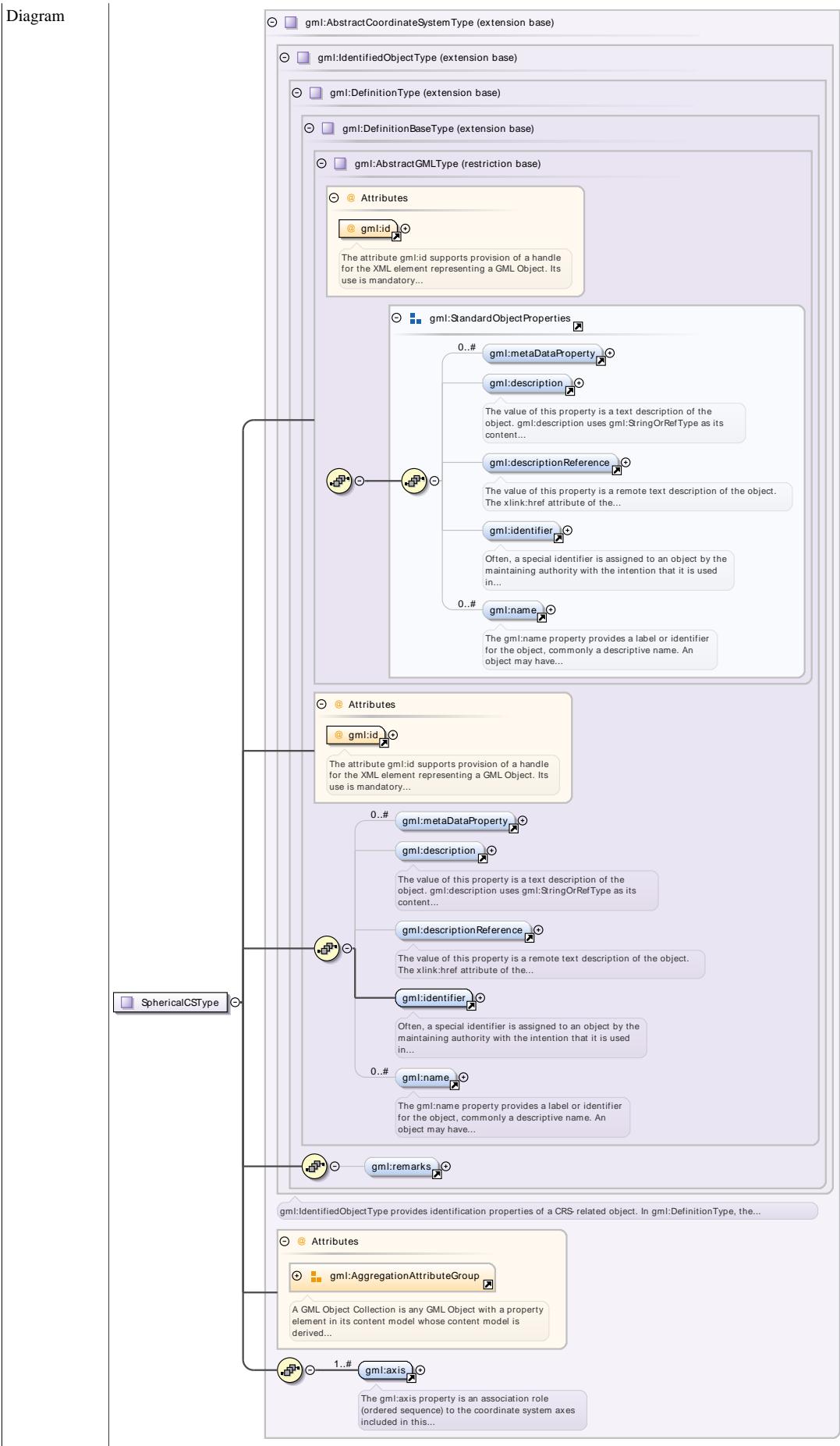
Complex Type `gml:SphericalCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<code>gml:SphericalCSPropertyType</code> is property type for association roles to a spherical coordinate system, either referencing or containing the definition of that coordinate system.				
Diagram	<p>The diagram illustrates the structure of <code>gml:SphericalCSPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A group of attributes is shown, with <code>gml:AssociationAttributeGroup</code> highlighted. Associations: The type is associated with <code>gml:SphericalCS</code>. Annotations: A note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." Definition: A note states: "gml:SphericalCS is a three-dimensional coordinate system with one distance measured from the origin and two angular..." 				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:SphericalCSType`

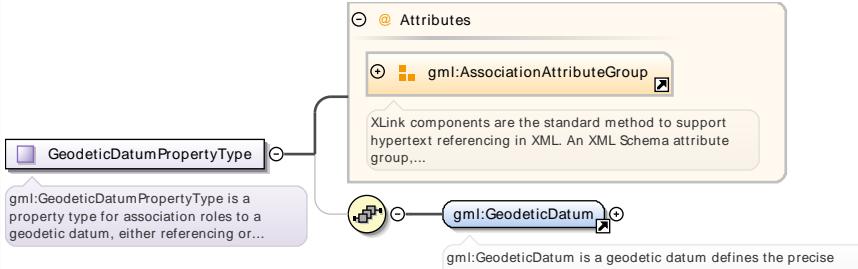
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

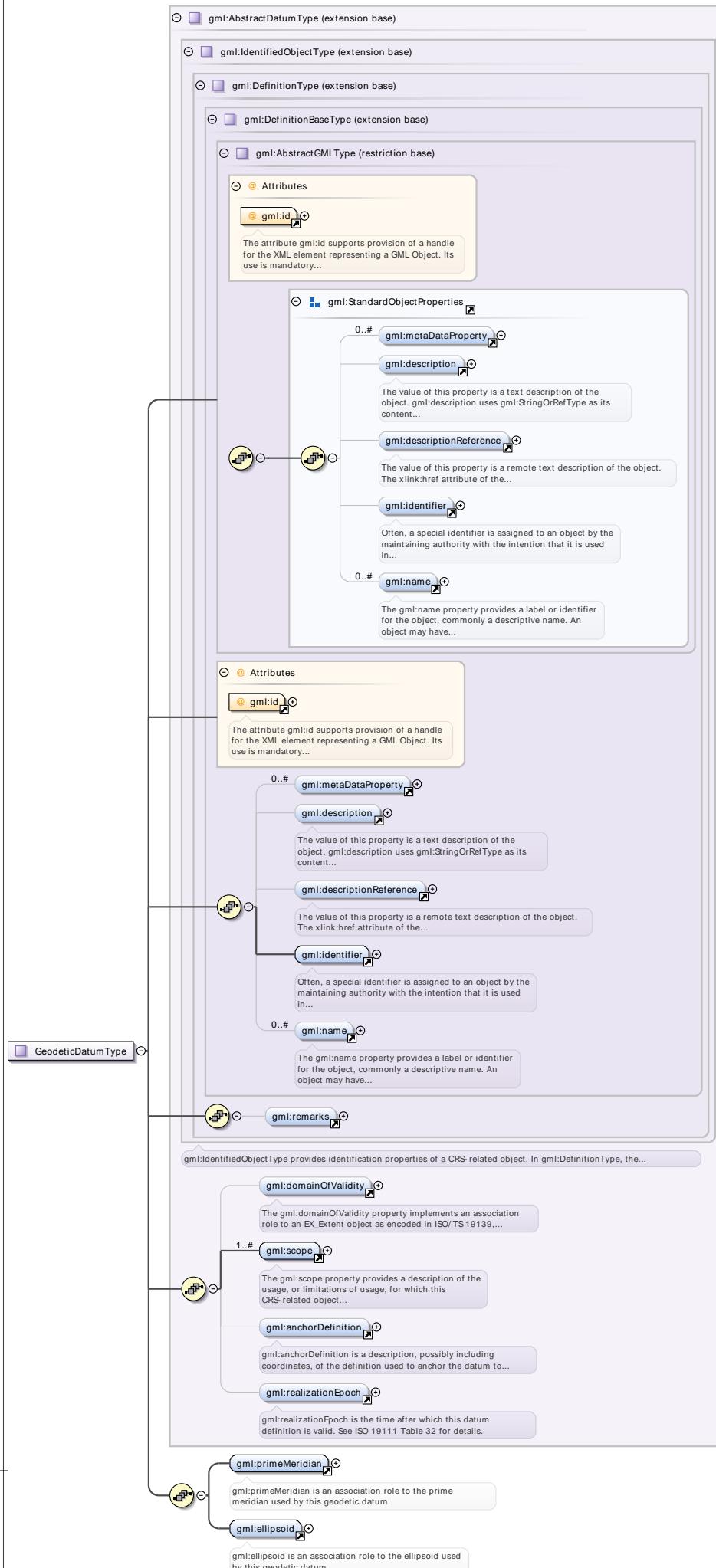
Complex Type `gml:GeodeticDatumPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:GeodeticDatumPropertyType</code> is a property type for association roles to a geodetic datum, either referencing or containing the definition of that datum.		
Diagram	 <p>The diagram illustrates the structure of <code>gml:GeodeticDatumPropertyType</code>. It is a property type for association roles to a geodetic datum. It contains an association attribute group (<code>gml:AssociationAttributeGroup</code>) which includes attributes for <code>xlink:href</code>, <code>xlink:type</code>, and <code>xlink:role</code>. It also contains a reference to <code>gml:GeodeticDatum</code>.</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:GeodeticDatumType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

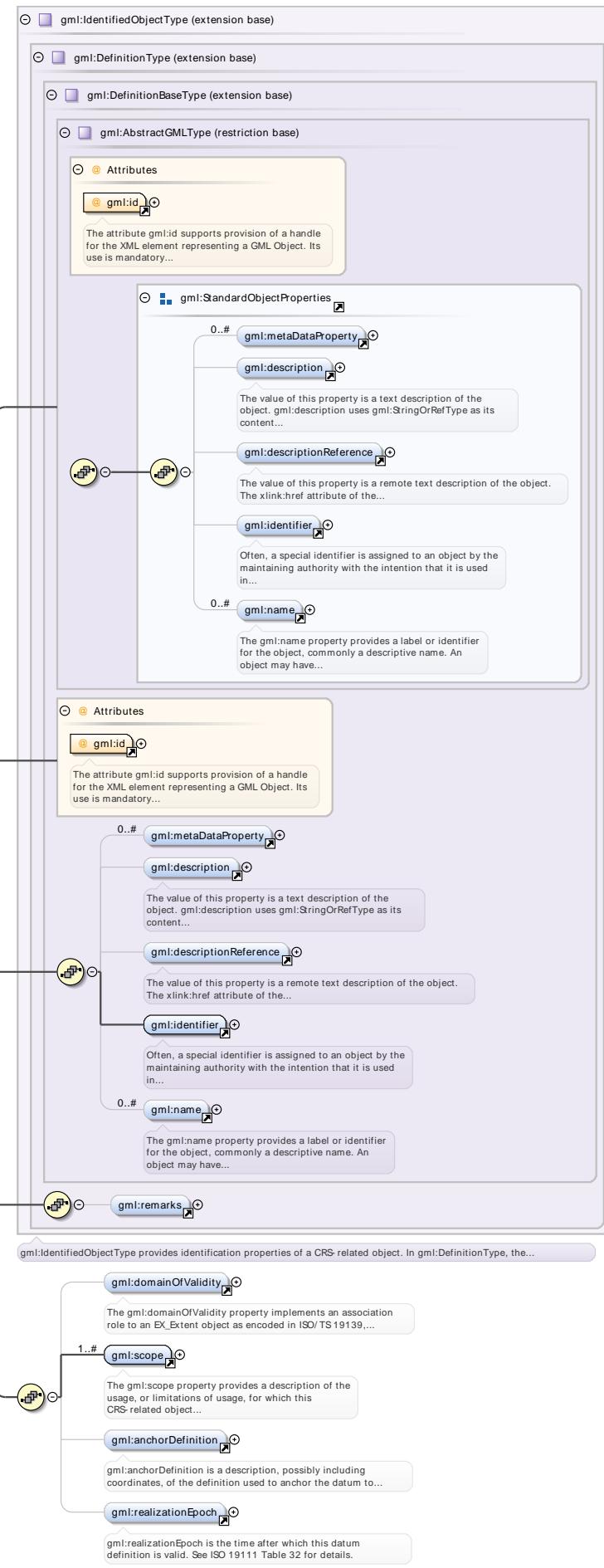


Type	extension of <code>gml:AbstractDatumType</code>		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:AbstractDatumType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:IdentifiedObjectType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

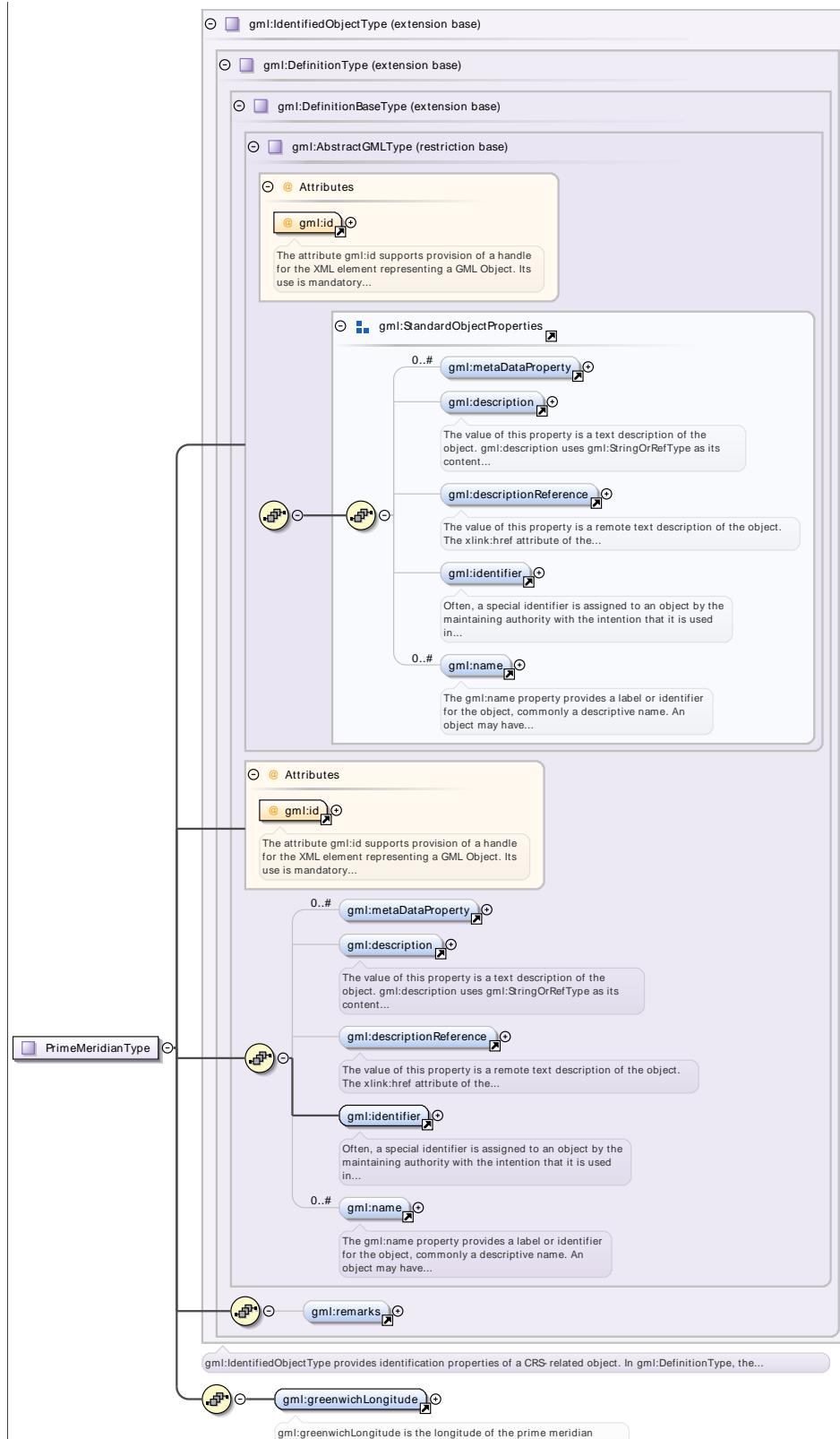
Complex Type `gml:PrimeMeridianPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:PrimeMeridianPropertyType</code> is a property type for association roles to a prime meridian, either referencing or containing the definition of that meridian.		
Diagram	<p>The diagram illustrates the structure of the <code>gml:PrimeMeridianPropertyType</code>. It is a complex type that inherits from <code>gml:AssociationAttributeGroup</code>. It has an association role named <code>gml:PrimeMeridian</code> pointing to a <code>gml:PrimeMeridian</code> type. A callout box provides a detailed description of the <code>gml:PrimeMeridian</code> type.</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	anyURI	optional
<code>gml:PrimeMeridianPropertyType</code>	<code>nilReason</code>	<code>gml:NilReasonType</code>	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>	optional
	<code>xlink:role</code>	<code>xlink:roleType</code>	optional
	<code>xlink:show</code>	<code>xlink:showType</code>	optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:PrimeMeridianType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

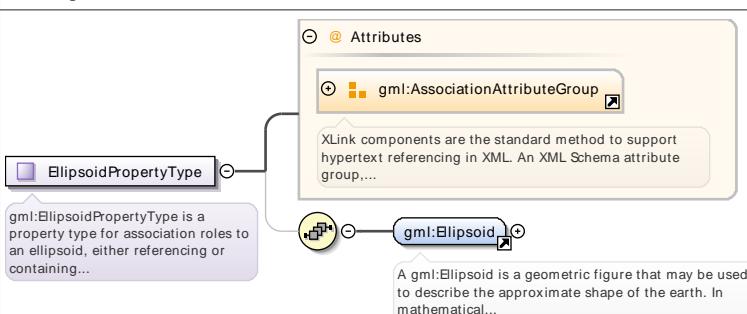
Diagram



Type	extension of gml:IdentifiedObjectType		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Type	extension of gml:IdentifiedObjectType			
Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

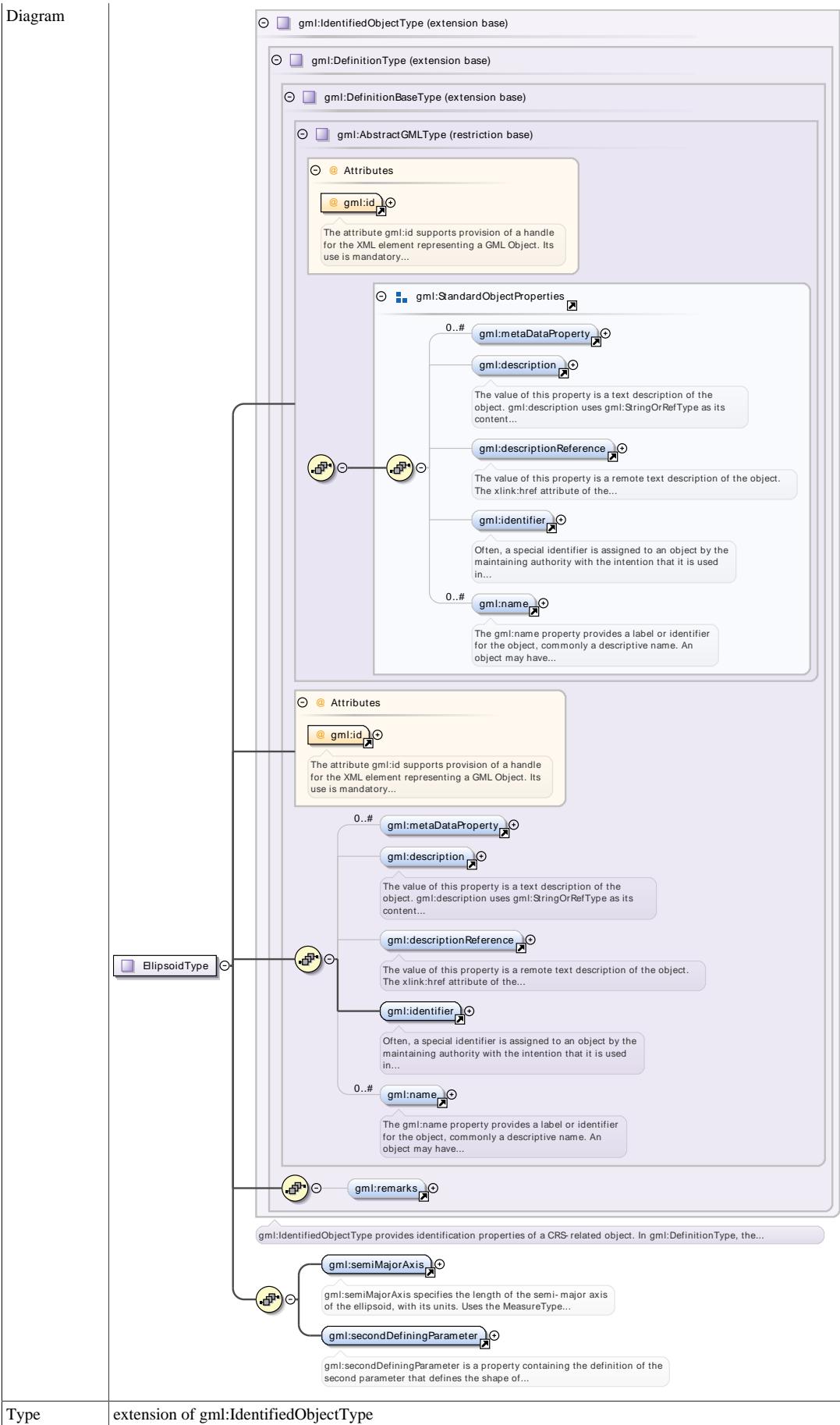
Complex Type `gml:EllipsoidPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:EllipsoidPropertyType is a property type for association roles to an ellipsoid, either referencing or containing the definition of that ellipsoid.				
Diagram					
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	anyURI		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:EllipsoidType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

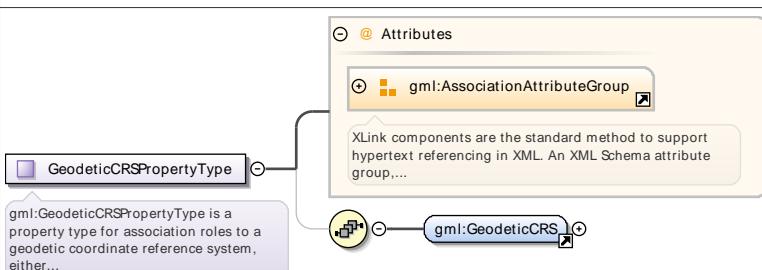
Diagram



Type	extension of gml:IdentifiedObjectType
------	---------------------------------------

Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

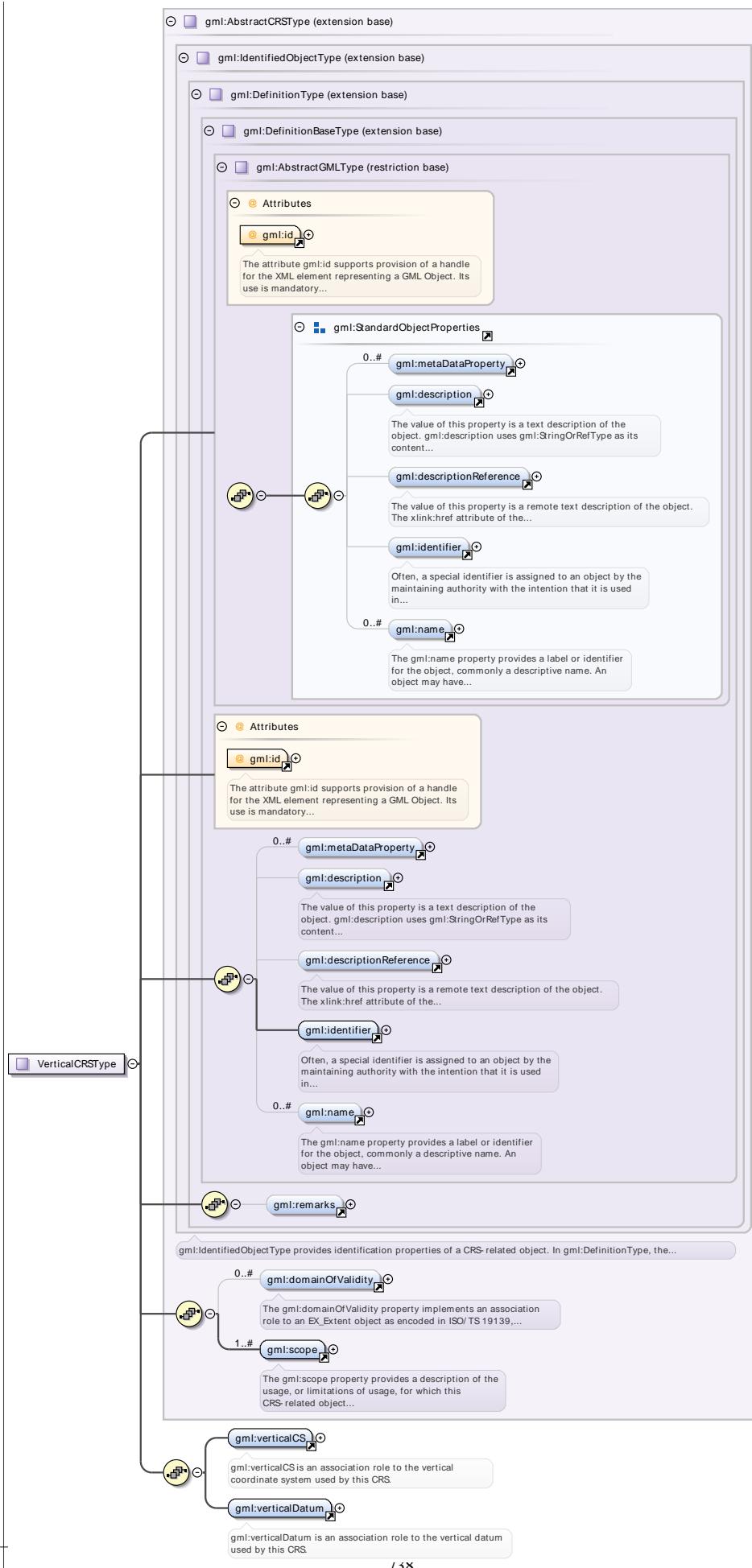
Complex Type **gml:GeodeticCRSPROPERTYType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:GeodeticCRSPROPERTYType is a property type for association roles to a geodetic coordinate reference system, either referencing or containing the definition of that reference system.				
Diagram	 <p>gml:GeodeticCRSPROPERTYType is a property type for association roles to a geodetic coordinate reference system, either...</p> <p>gml:AssociationAttributeGroup</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...</p>				
Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Complex Type **gml:VerticalCRSType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

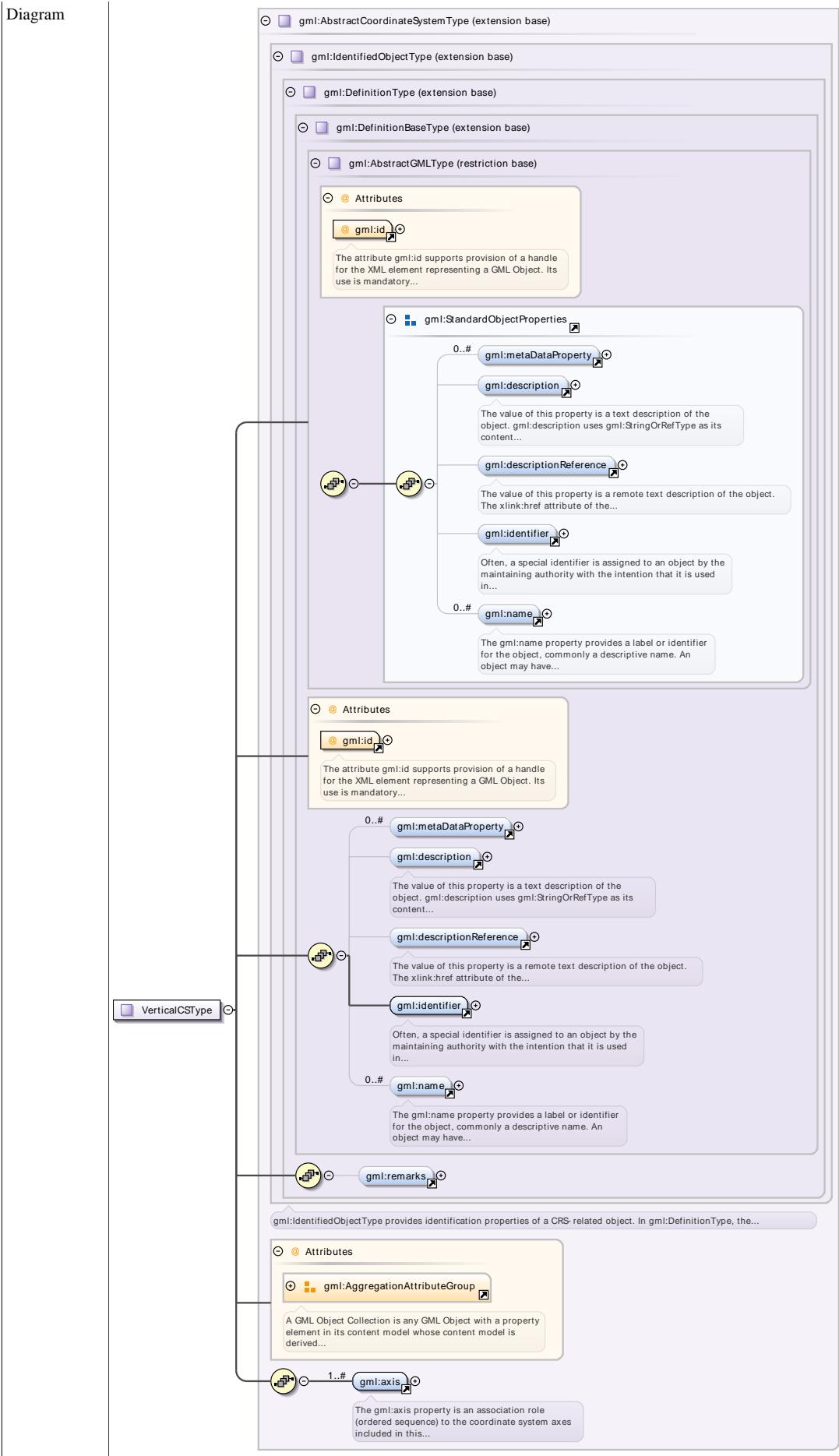
Complex Type `gml:VerticalCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:VerticalCSPropertyType</code> is a property type for association roles to a vertical coordinate system, either referencing or containing the definition of that coordinate system.			
Diagram	<p>The diagram illustrates the structure of <code>gml:VerticalCSPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled <code>gml:AssociationAttributeGroup</code> is shown, indicating that XLink components are used for hypertext referencing. Associations: The type is associated with <code>gml:VerticalCS</code>, which is described as a one-dimensional coordinate system for heights or depths. Annotations: A callout box provides a detailed description of <code>gml:VerticalCS</code> as a coordinate system. 			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:VerticalCSType`

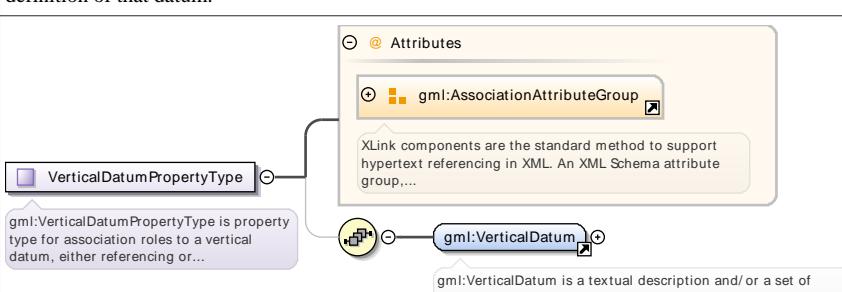
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

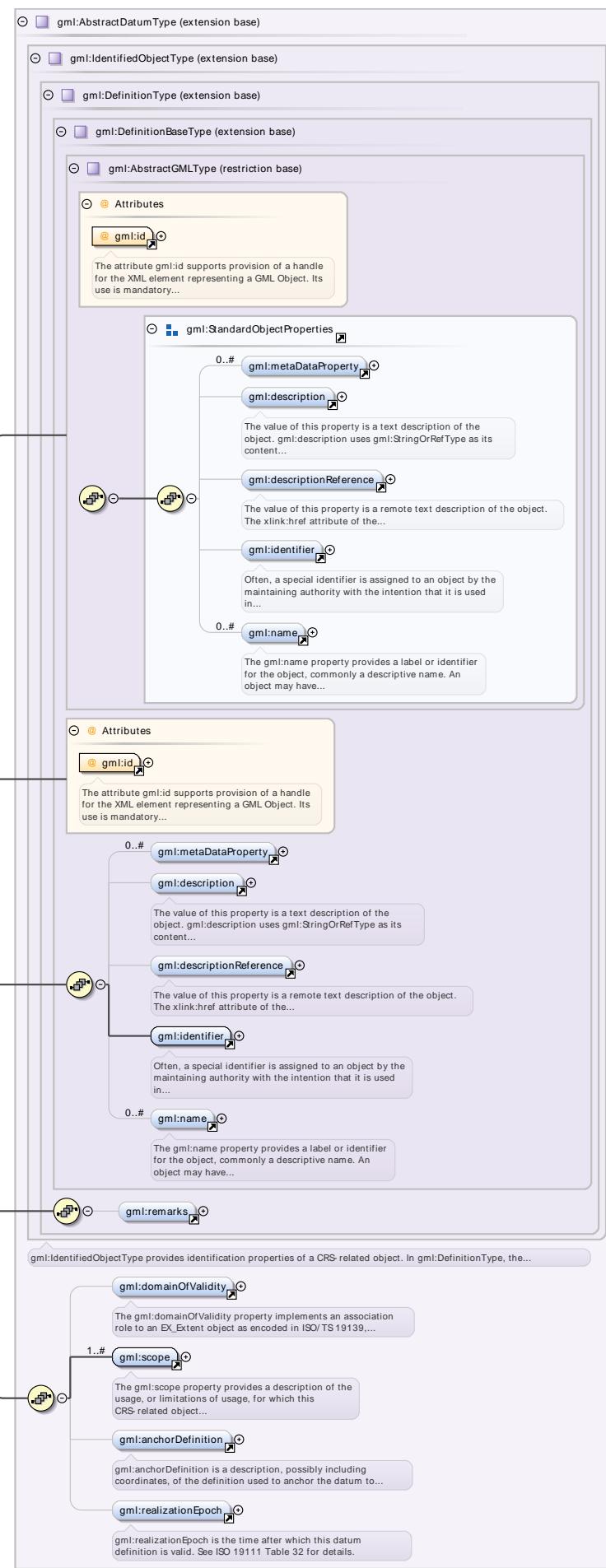
Complex Type `gml:VerticalDatumPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:VerticalDatumPropertyType</code> is property type for association roles to a vertical datum, either referencing or containing the definition of that datum.		
Diagram	 <p><code>gml:VerticalDatumPropertyType</code> is property type for association roles to a vertical datum, either referencing or...</p> <p><code>gml:VerticalDatum</code> is a textual description and/or a set of parameters identifying a particular reference level surface...</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:VerticalDatumType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractDatumType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

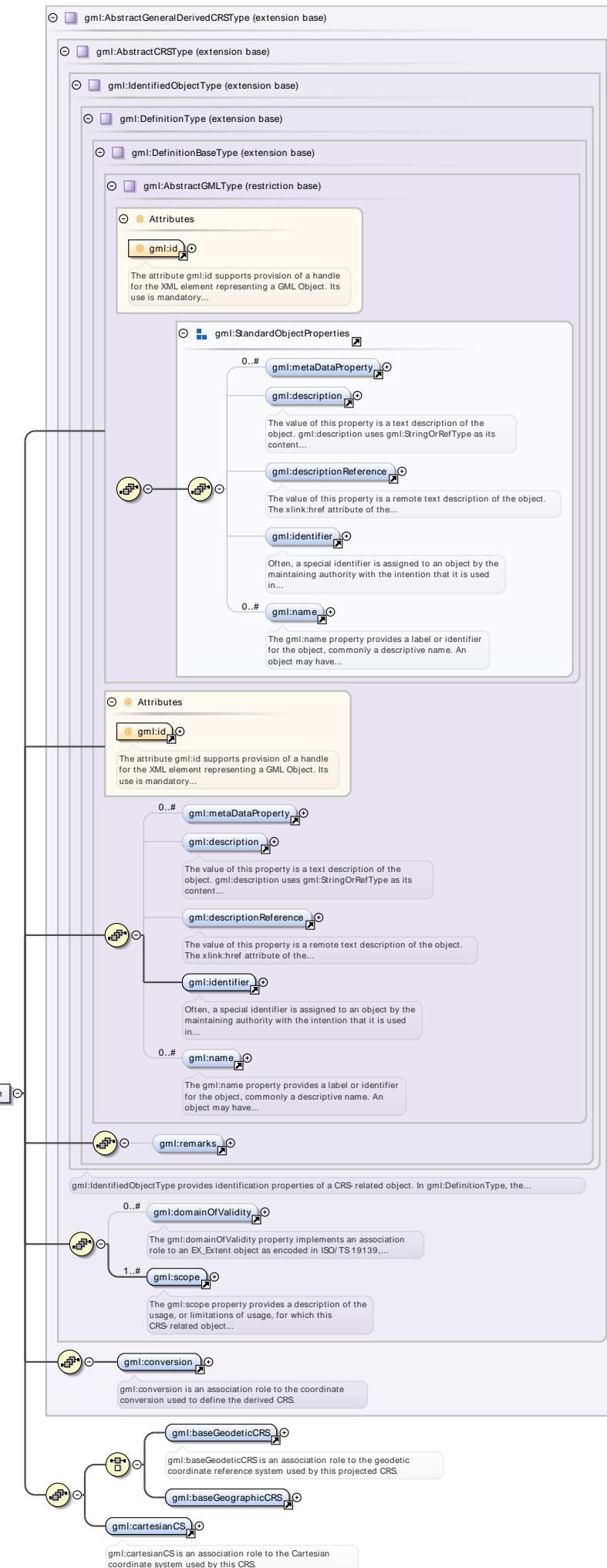
Complex Type `gml:VerticalCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:VerticalCRSPROPERTYType</code> is a property type for association roles to a vertical coordinate reference system, either referencing or containing the definition of that reference system.			
Diagram	<p>The diagram illustrates the structure of the <code>gml:VerticalCRSPROPERTYType</code> complex type. It features a central box labeled <code>gml:VerticalCRSPROPERTYType</code> with a circular connector on its right. A line connects this connector to a box labeled <code>gml:VerticalCRS</code>, which also has a circular connector. Above the main box, there is a box for the <code>gml:AssociationAttributeGroup</code> with a circular connector, connected by a line. A callout box provides a detailed description of the <code>gml:VerticalCRS</code> element. Another callout box describes the <code>gml:AssociationAttributeGroup</code>. A note at the bottom left states: "gml:VerticalCRSPROPERTYType is a property type for association roles to a vertical coordinate reference system, either..."</p>			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:ProjectedCRSType`

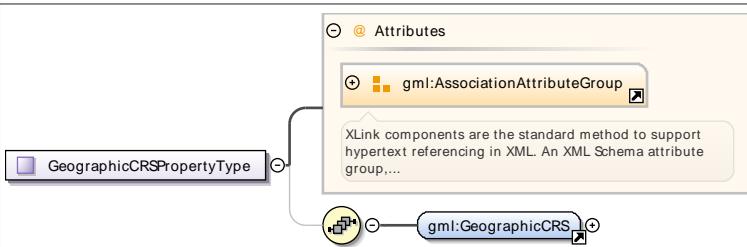
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractGeneralDerivedCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

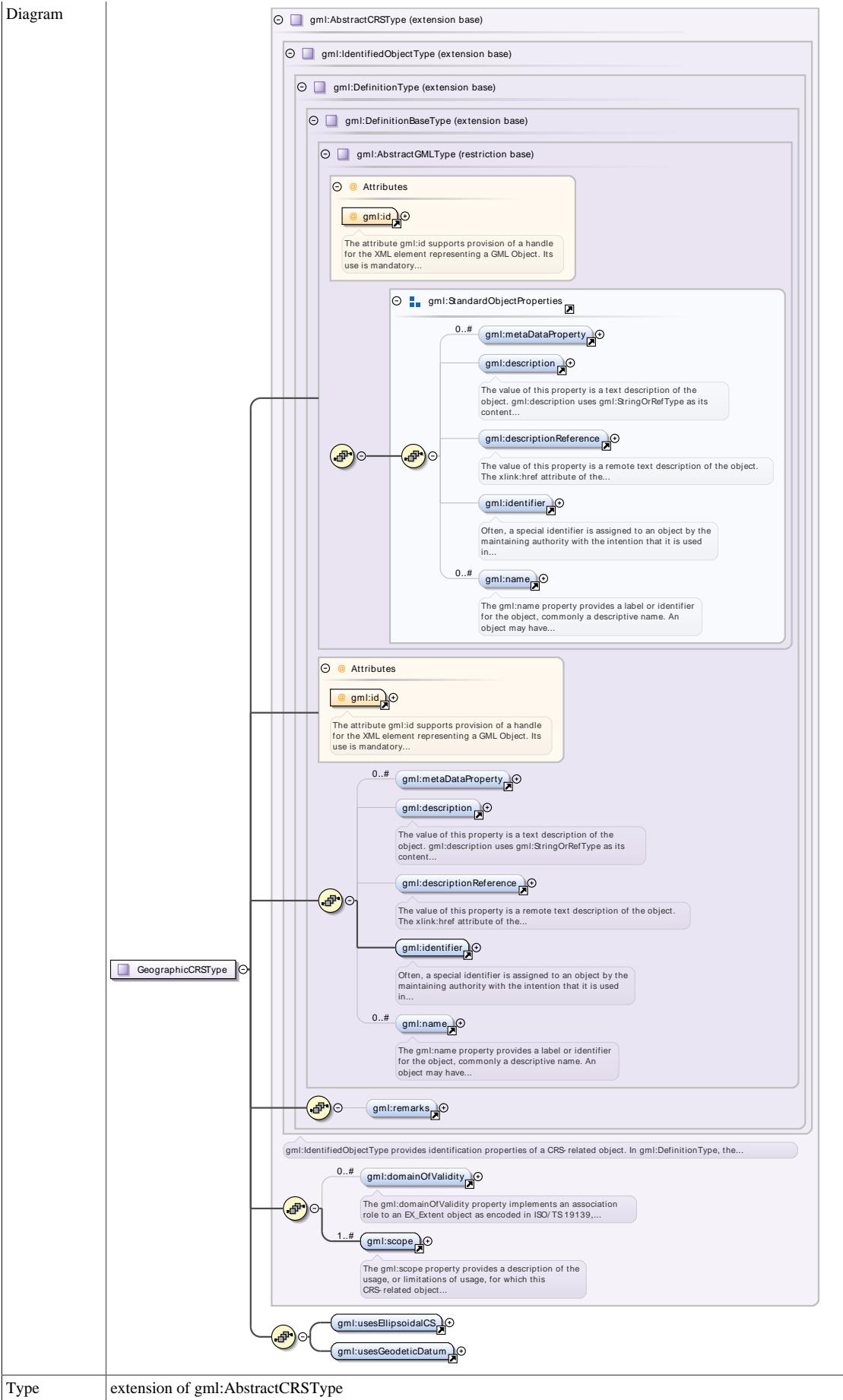
Complex Type `gml:GeographicCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:GeographicCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Attributes	QName	Type	Use	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

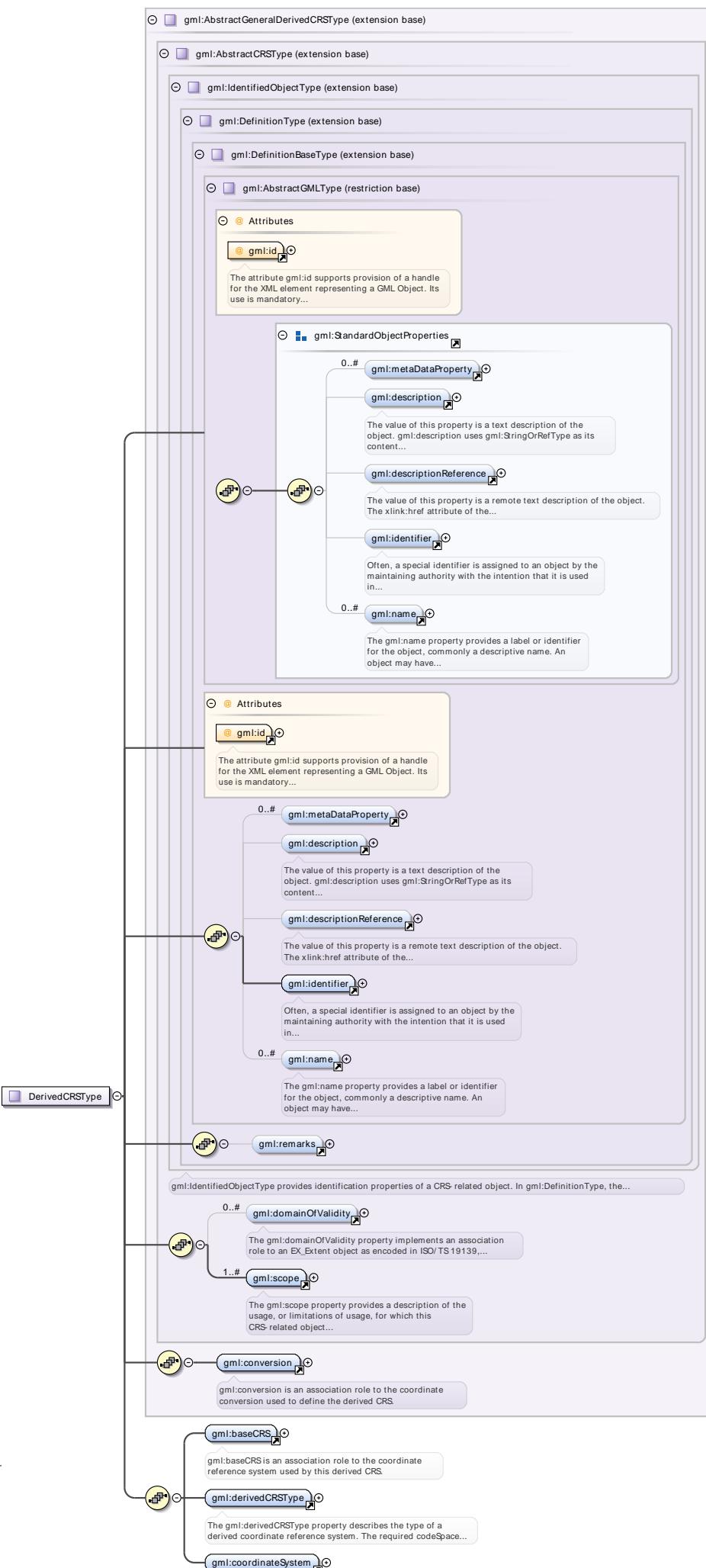
Complex Type **gml:ProjectedCRSPropertyType**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:ProjectedCRSPropertyType is a property type for association roles to a projected coordinate reference system, either referencing or containing the definition of that reference system.			
Diagram				
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Complex Type **gml:DerivedCRSType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractGeneralDerivedCRSType</code>			
Attributes	QName <code>gml:id</code>	Type ID	Use required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type `gml:CoordinateSystemPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:CoordinateSystemPropertyType</code> is a property type for association roles to a coordinate system, either referencing or containing the definition of that coordinate system.			
Diagram	<p>The diagram illustrates the structure of <code>gml:CoordinateSystemPropertyType</code>. It is a complex type that extends <code>gml:AbstractCoordinateSystem</code>. It contains an <code>gml:AssociationAttributeGroup</code> element, which is part of the <code>gml:AssociationAttributeGroup</code> group. The diagram also includes annotations for the <code>gml:CoordinateSystemPropertyType</code> and <code>gml:AbstractCoordinateSystem</code> elements.</p>			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional

Complex Type `gml:DerivedCRSPROPERTYType`

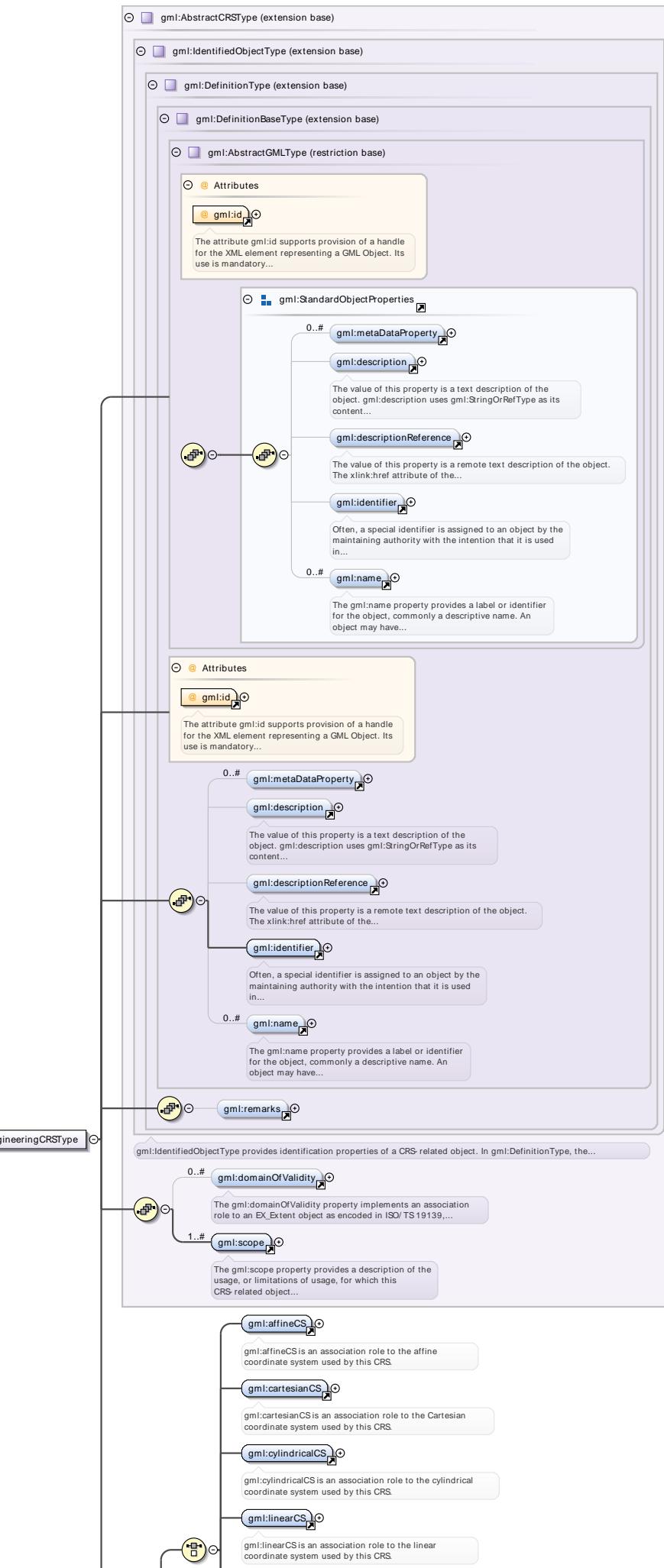
Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:DerivedCRSPROPERTYType</code> is a property type for association roles to a non-projected derived coordinate reference system, either referencing or containing the definition of that reference system.			
Diagram	<p>The diagram illustrates the structure of <code>gml:DerivedCRSPROPERTYType</code>. It is a complex type that extends <code>gml:DerivedCRS</code>. It contains an <code>gml:AssociationAttributeGroup</code> element, which is part of the <code>gml:AssociationAttributeGroup</code> group. The diagram also includes annotations for the <code>gml:DerivedCRSPROPERTYType</code> and <code>gml:DerivedCRS</code> elements.</p>			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code>	Fixed 	Use optional optional optional optional

QName	Type	Fixed	Use	
xlink:role	xlink:roleType		optional	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Complex Type `gml:EngineeringCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

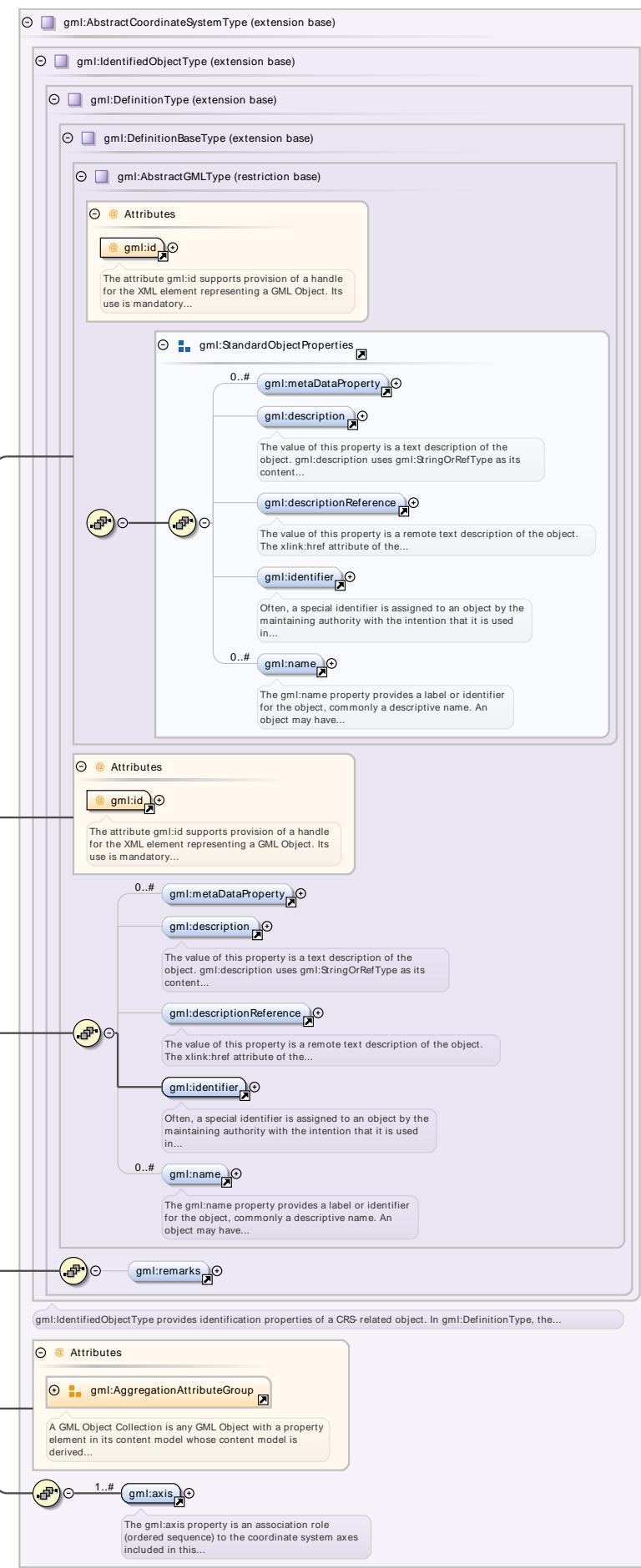
Complex Type `gml:AffineCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:AffineCSPropertyType</code> is a property type for association roles to an affine coordinate system, either referencing or containing the definition of that coordinate system.		
Diagram	<p>The diagram illustrates the structure of <code>gml:AffineCSPropertyType</code>. It is a complex type that inherits from <code>gml:AbstractCRSType</code> (indicated by a generalization arrow). It contains an <code>gml:AssociationAttributeGroup</code> (indicated by a composition arrow) and is associated with <code>gml:AffineCS</code> (indicated by a composition arrow). A callout box provides a detailed description of <code>gml:AffineCS</code> as a two- or three-dimensional coordinate system with straight axes that are not necessarily orthogonal.</p>		
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:AffineCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

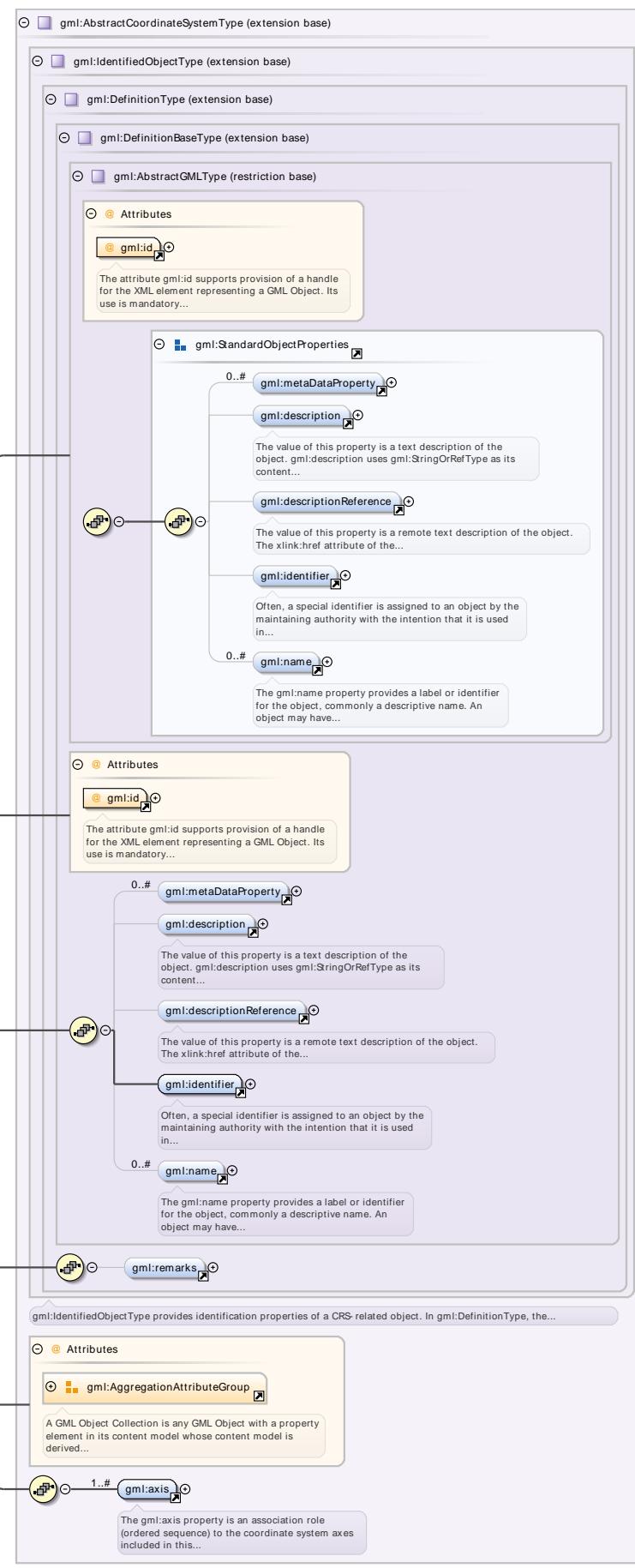
Complex Type `gml:CylindricalCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:CylindricalCSPropertyType</code> is a property type for association roles to a cylindrical coordinate system, either referencing or containing the definition of that coordinate system.		
Diagram	<p>The diagram illustrates the inheritance of <code>gml:CylindricalCSPropertyType</code> from <code>gml:AbstractCoordinateSystemType</code>. It shows a box for <code>gml:AbstractCoordinateSystemType</code> with an association to <code>gml:CylindricalCS</code>. A callout box provides a detailed description of <code>gml:CylindricalCS</code> as a three-dimensional coordinate system. Another callout box describes the <code>gml:AssociationAttributeGroup</code> for XLink components.</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:CylindricalCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

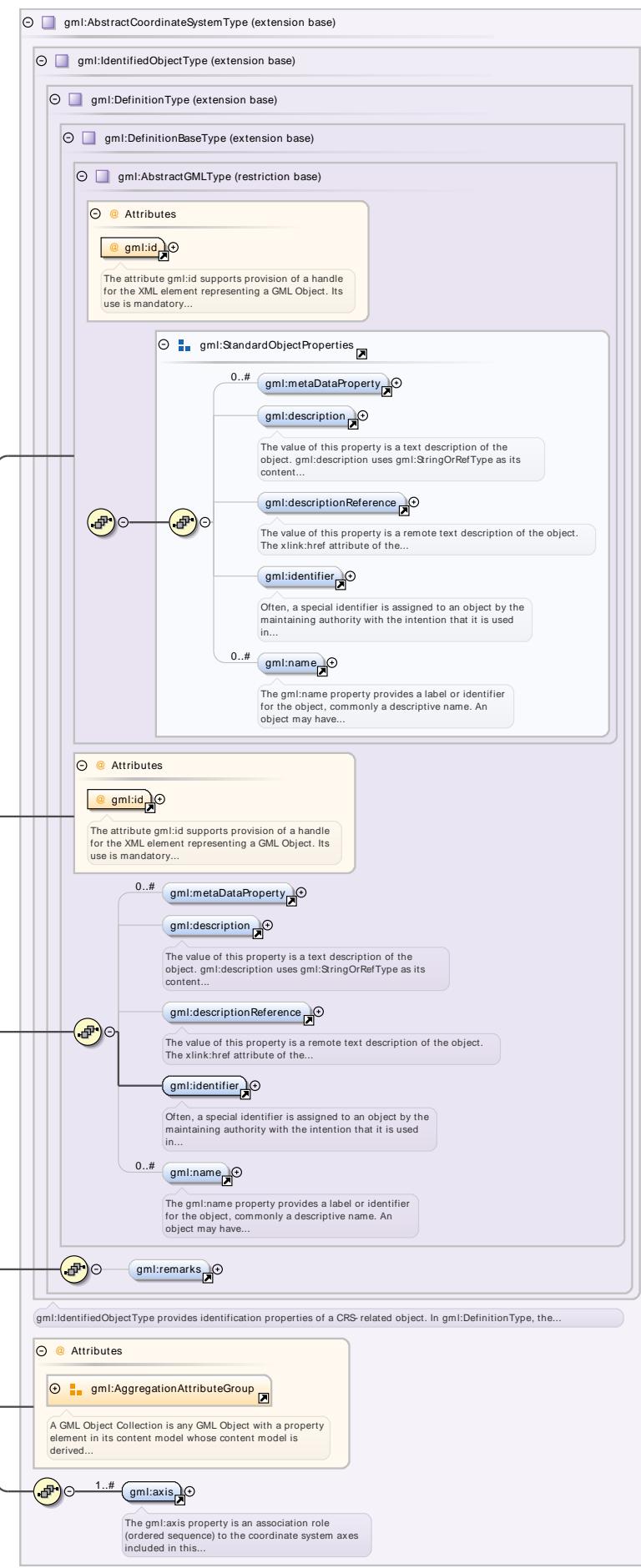
Complex Type `gml:LinearCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<code>gml:LinearCSPropertyType</code> is a property type for association roles to a linear coordinate system, either referencing or containing the definition of that coordinate system.				
Diagram	<p>The diagram illustrates the structure of <code>gml:LinearCSPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled "Attributes" contains a "gml:AssociationAttributeGroup". A callout notes: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." Elements: A box labeled "gml:LinearCS" contains a callout: "gml:LinearCS is a one-dimensional coordinate system that consists of the points that lie on the single axis described...." Relationships: <code>gml:LinearCSPropertyType</code> is associated with <code>gml:LinearCS</code> via a line with a circular arrow symbol. Annotations: A callout for <code>gml:LinearCSPropertyType</code> states: "gml:LinearCSPropertyType is a property type for association roles to a linear coordinate system, either referencing or..." 				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:LinearCSType`

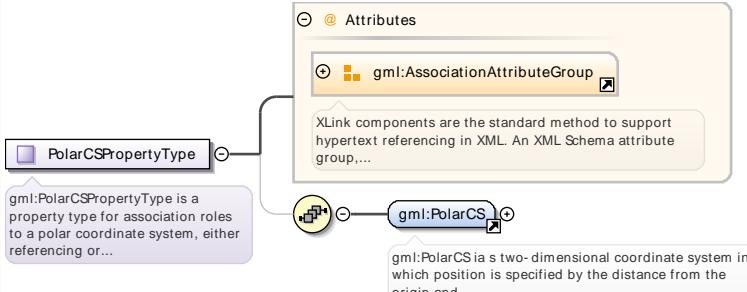
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

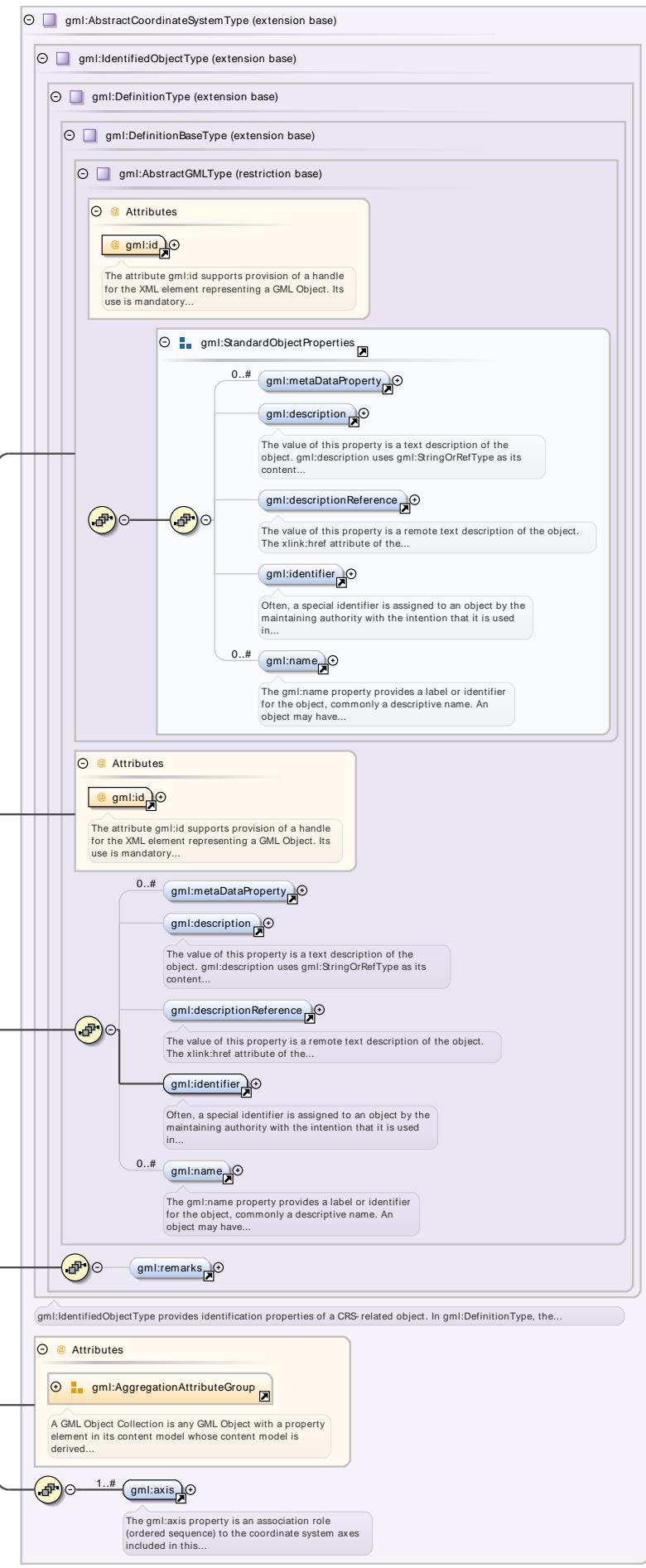
Complex Type `gml:PolarCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:PolarCSPropertyType</code> is a property type for association roles to a polar coordinate system, either referencing or containing the definition of that coordinate system.		
Diagram	 <p>The diagram illustrates the structure of the <code>gml:PolarCSPropertyType</code> complex type. It shows the type itself, which contains an <code>gml:AssociationAttributeGroup</code> and a <code>gml:PolarCS</code> element. The <code>gml:PolarCS</code> element is described as a two-dimensional coordinate system where position is specified by the distance from the origin and...</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	anyURI	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:PolarCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

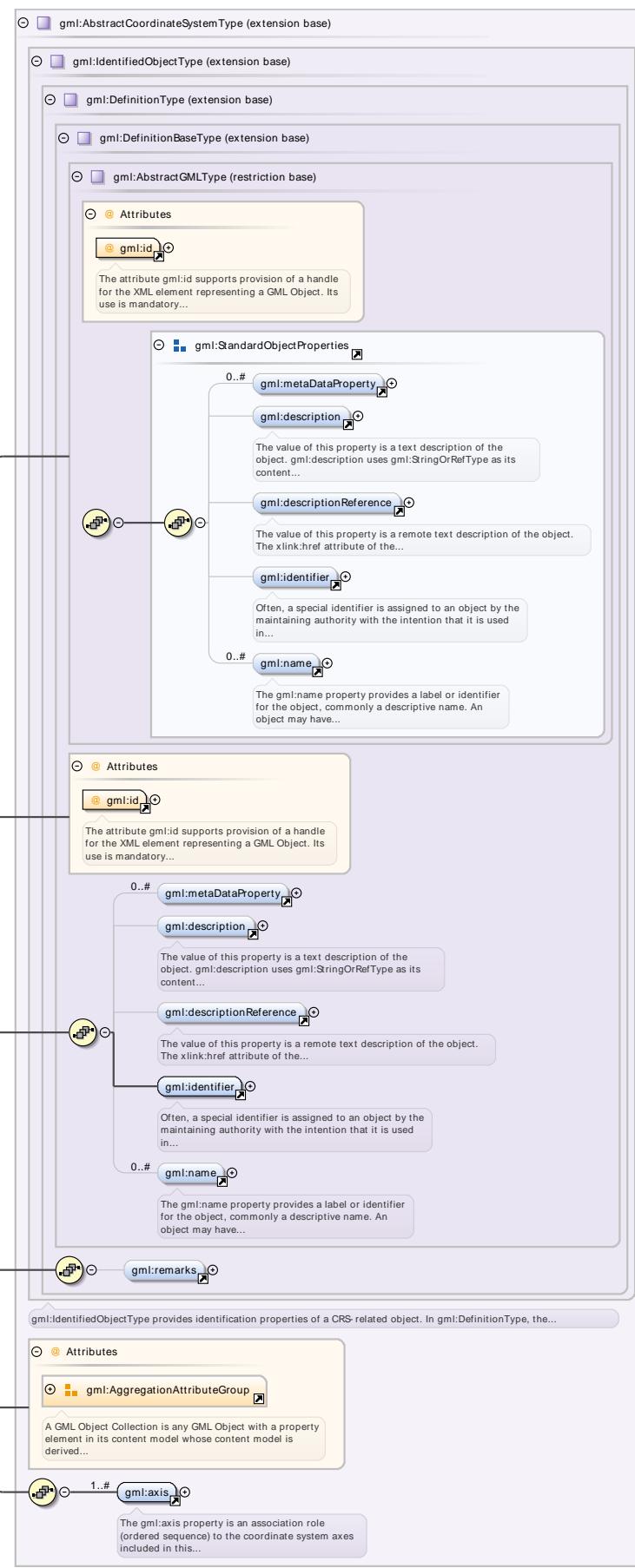
Complex Type `gml:UserDefinedCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:UserDefinedCSPropertyType</code> is a property type for association roles to a user-defined coordinate system, either referencing or containing the definition of that coordinate system.		
Diagram			
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:UserDefinedCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gm:AbstractCoordinateSystemType</code>
------	-----------------------------------------------------------

Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

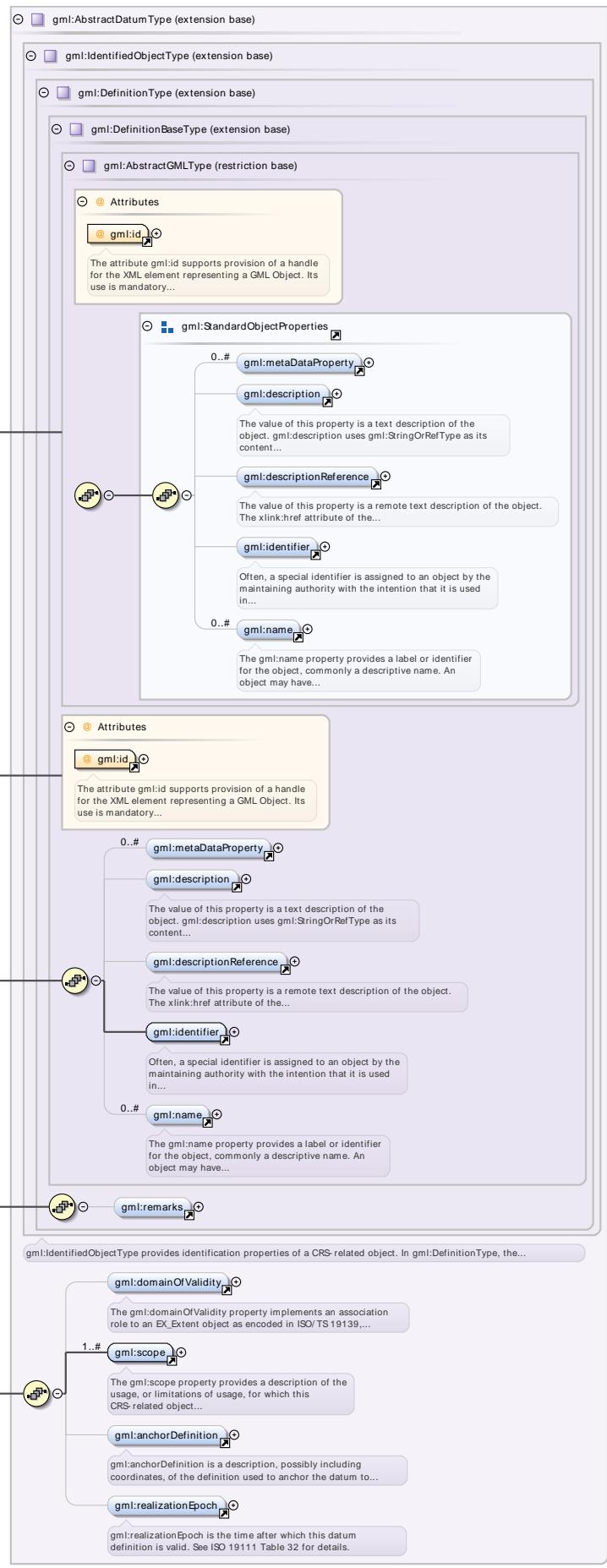
Complex Type **gml:EngineeringDatumPropertyType**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:EngineeringDatumPropertyType is a property type for association roles to an engineering datum, either referencing or containing the definition of that datum.			
Diagram	<p>The diagram illustrates the structure of the gml:EngineeringDatumPropertyType complex type. It features a central box labeled 'EngineeringDatumPropertyType' with a circled '0' to its right, indicating it is a property type. A callout box below it states: 'gml:EngineeringDatumPropertyType is a property type for association roles to an engineering datum, either referencing...'. A large bracket on the right side of the central box points to a box labeled 'Attributes' which contains a 'gml:AssociationAttributeGroup' (indicated by a circled '1'). A callout box associated with this group states: 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'. Another bracket on the right side points to a 'gml:EngineeringDatum' element (indicated by a circled '1'). A callout box associated with this element states: 'gml:EngineeringDatum defines the origin of an engineering coordinate reference system, and is used in a region around...'. The entire diagram is enclosed in a light gray border.</p>			
Attributes	QName	Type	Fixed	Use
	gml:remoteSchema	anyURI		optional
	nilReason	gml:NilReasonType		optional
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Complex Type **gml:EngineeringDatumType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractDatumType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

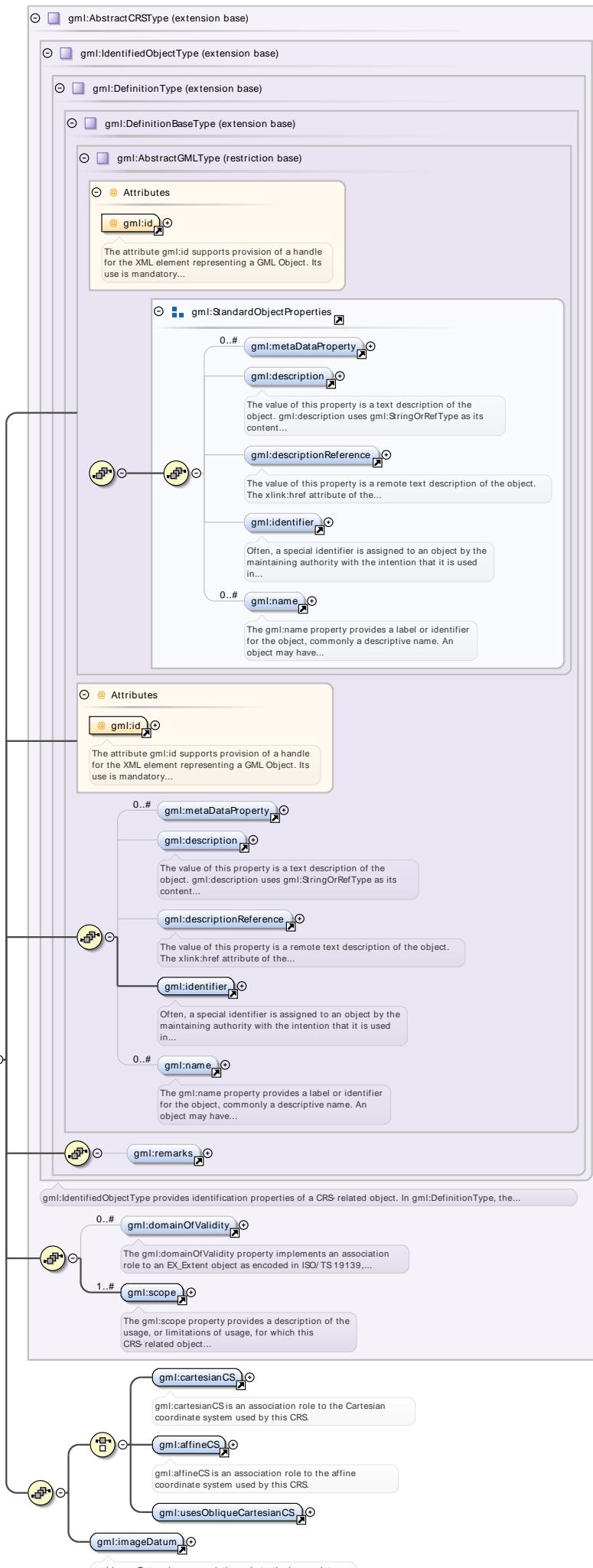
Complex Type `gml:EngineeringCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:EngineeringCRSPROPERTYType</code> is a property type for association roles to an engineering coordinate reference system, either referencing or containing the definition of that reference system.		
Diagram	<p>The diagram illustrates the structure of <code>gml:EngineeringCRSPROPERTYType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled <code>gml:AssociationAttributeGroup</code> is shown, indicating that XLink components are used for hypertext referencing. Associations: The type is associated with <code>gml:EngineeringCRS</code>, which is described as a contextually local coordinate reference system. Annotations: A callout box provides a detailed description of the type: "gml:EngineeringCRSPROPERTYType is a property type for association roles to an engineering coordinate reference system....". 		
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:ImageCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

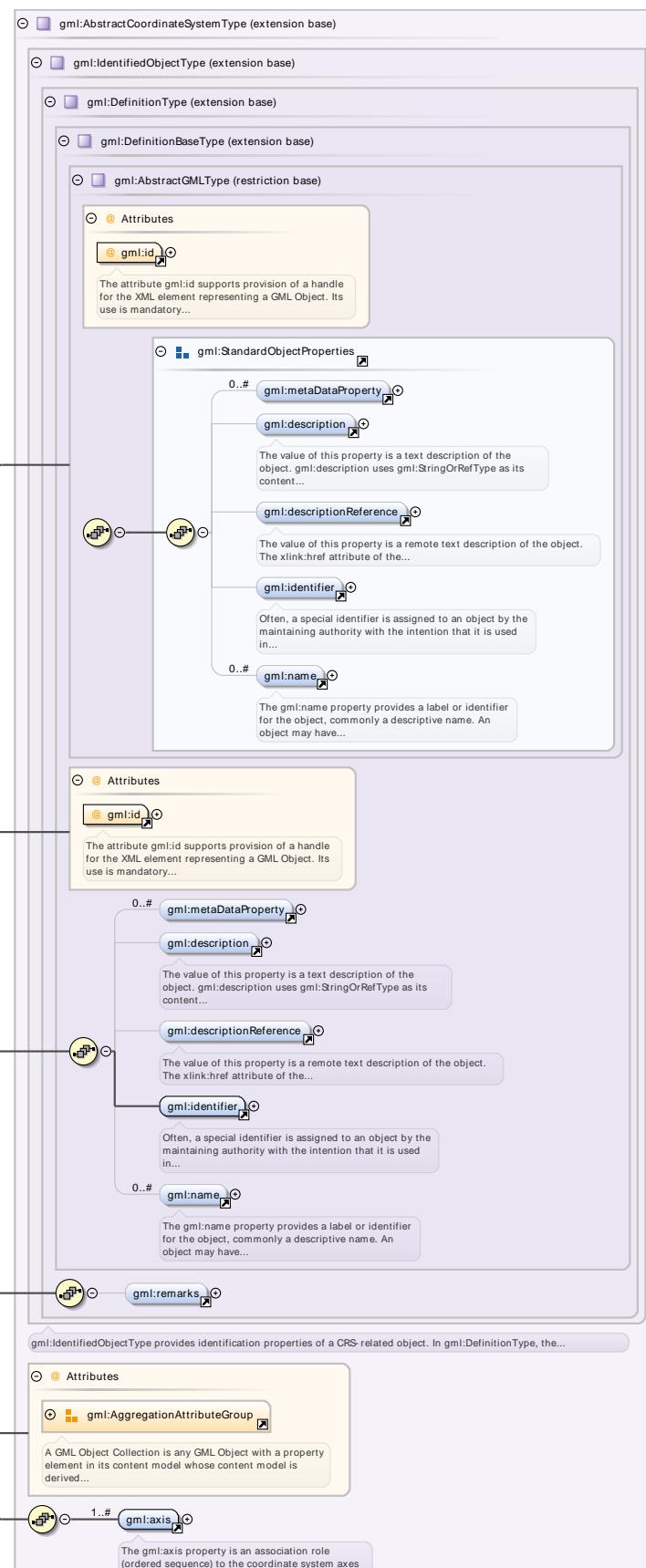
Complex Type `gml:ObliqueCartesianCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Diagram	<p>The diagram illustrates the structure of the <code>gml:ObliqueCartesianCSPropertyType</code>. It shows inheritance from <code>gml:AbstractCRSType</code> (represented by a purple box) and the addition of the <code>gml:AssociationAttributeGroup</code> (represented by an orange box). A callout box provides a detailed explanation of XLink components, stating: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...".</p>				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional	

Complex Type `gml:ObliqueCartesianCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

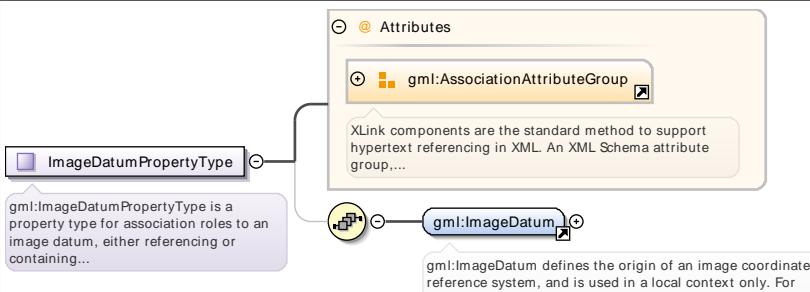
Diagram



Type	extension of gml:AbstractCoordinateSystemType
------	-----------------------------------------------

Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

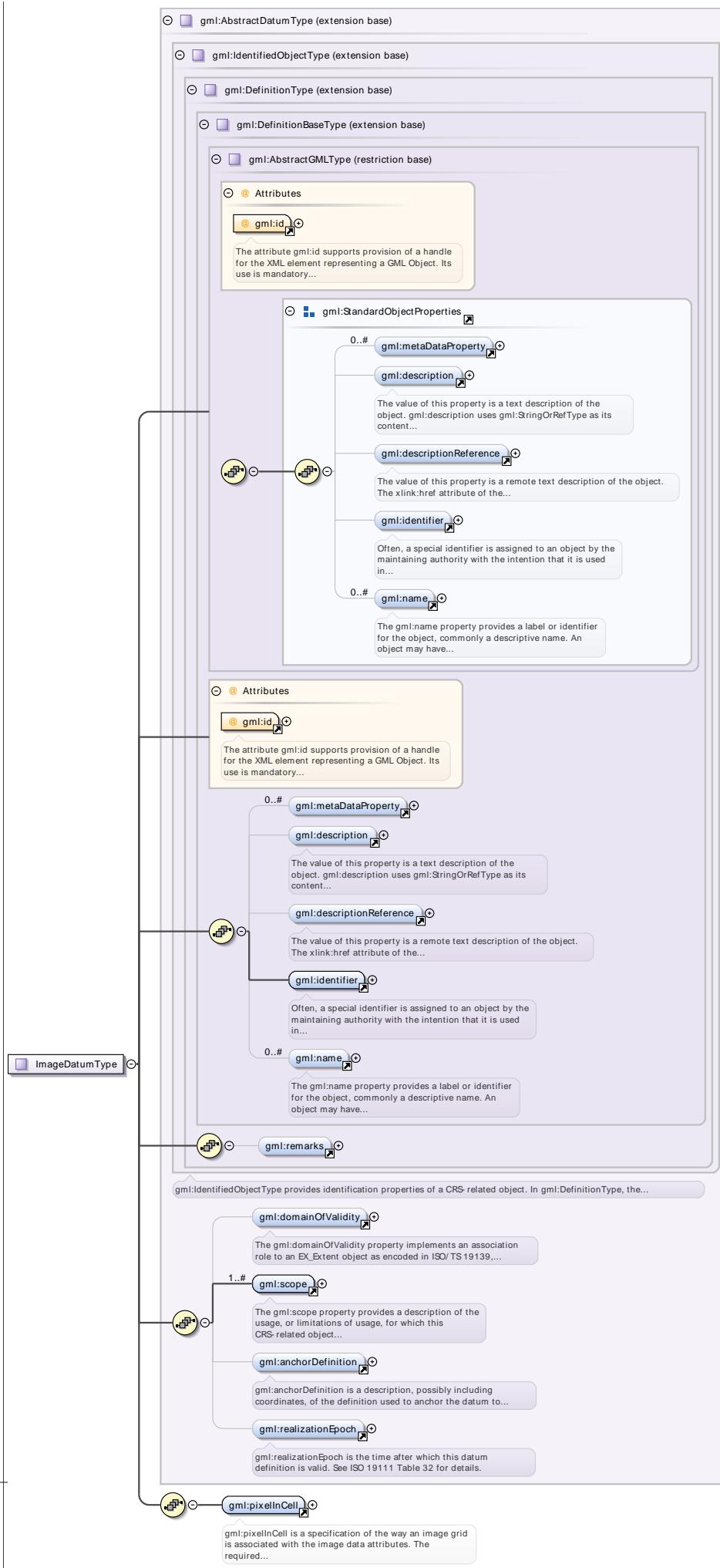
Complex Type **gml:ImageDatumPropertyType**

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:ImageDatumPropertyType is a property type for association roles to an image datum, either referencing or containing the definition of that datum.			
Diagram	 <p>gml:ImageDatumPropertyType is a property type for association roles to an image datum, either referencing or containing...</p> <p>gml:ImageDatum defines the origin of an image coordinate reference system, and is used in a local context only. For an...</p>			
Attributes				
QName	Type	Fixed	Use	
gml:remoteSchema	anyURI		optional	
nilReason	gml:NilReasonType		optional	
xlink:actuate	xlink:actuateType		optional	
xlink:arcrole	xlink:arcroleType		optional	
xlink:href	xlink:hrefType		optional	
xlink:role	xlink:roleType		optional	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Complex Type **gml:ImageDatumType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractDatumType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

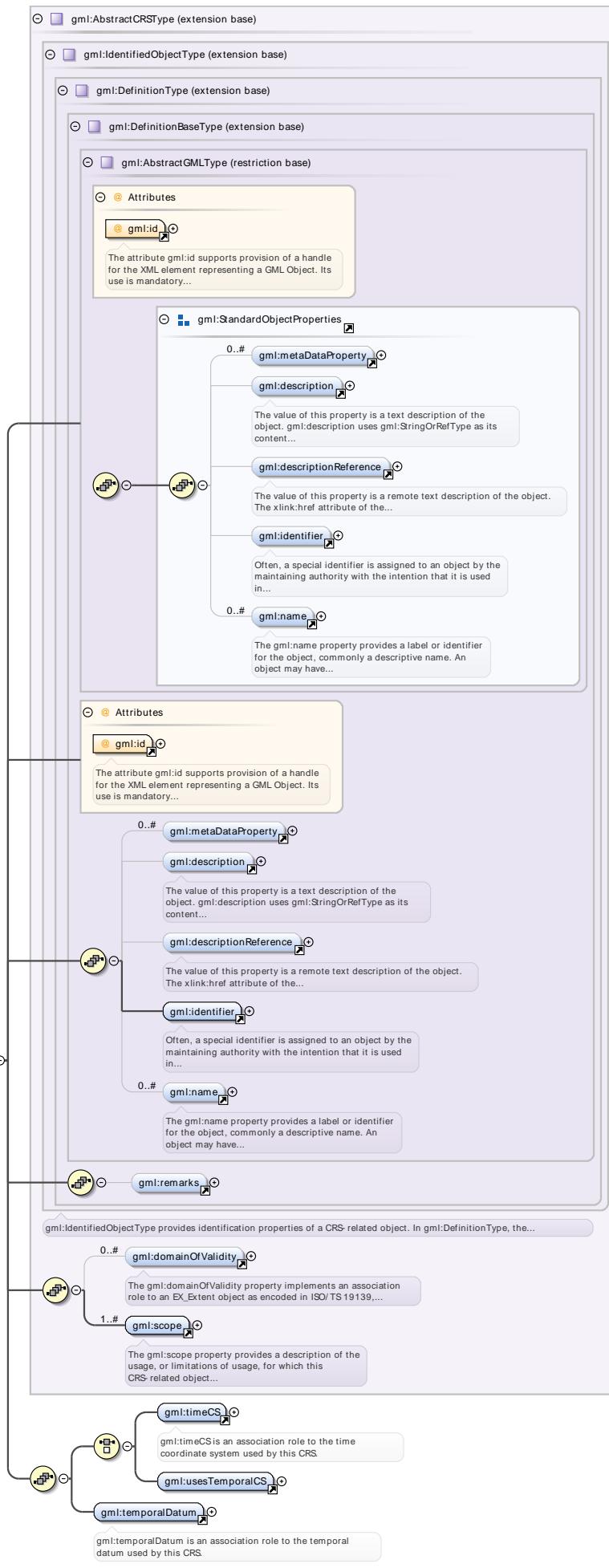
Complex Type `gml:ImageCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:ImageCRSPROPERTYType</code> is a property type for association roles to an image coordinate reference system, either referencing or containing the definition of that reference system.			
Diagram	<p>The diagram illustrates the structure of <code>gml:ImageCRSPROPERTYType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled <code>gml:AssociationAttributeGroup</code> is shown, indicating that attributes are grouped together. Associations: A line connects <code>gml:ImageCRSPROPERTYType</code> to <code>gml:ImageCRS</code>, representing an association role. Annotations: A callout box provides a detailed description of <code>gml:ImageCRS</code>, stating it is an engineering coordinate reference system applied to locations in images. Notes: A callout box notes that XLink components are used to support hypertext referencing in XML. 			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:TemporalCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCRSType</code>			
Attributes	QName <code>gml:id</code>	Type ID	Use required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

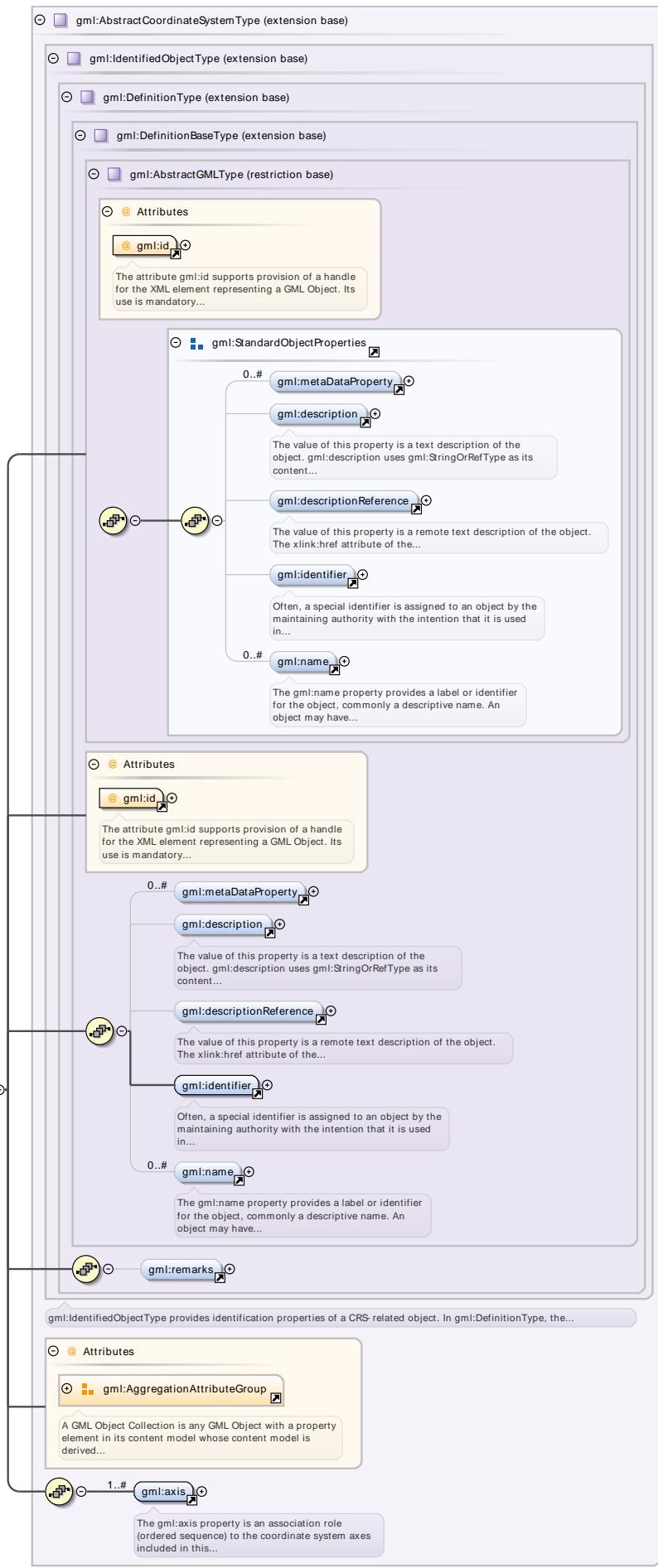
Complex Type `gml:TimeCSPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:TimeCSPropertyType</code> is a property type for association roles to a time coordinate system, either referencing or containing the definition of that coordinate system.			
Diagram				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:TimeCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

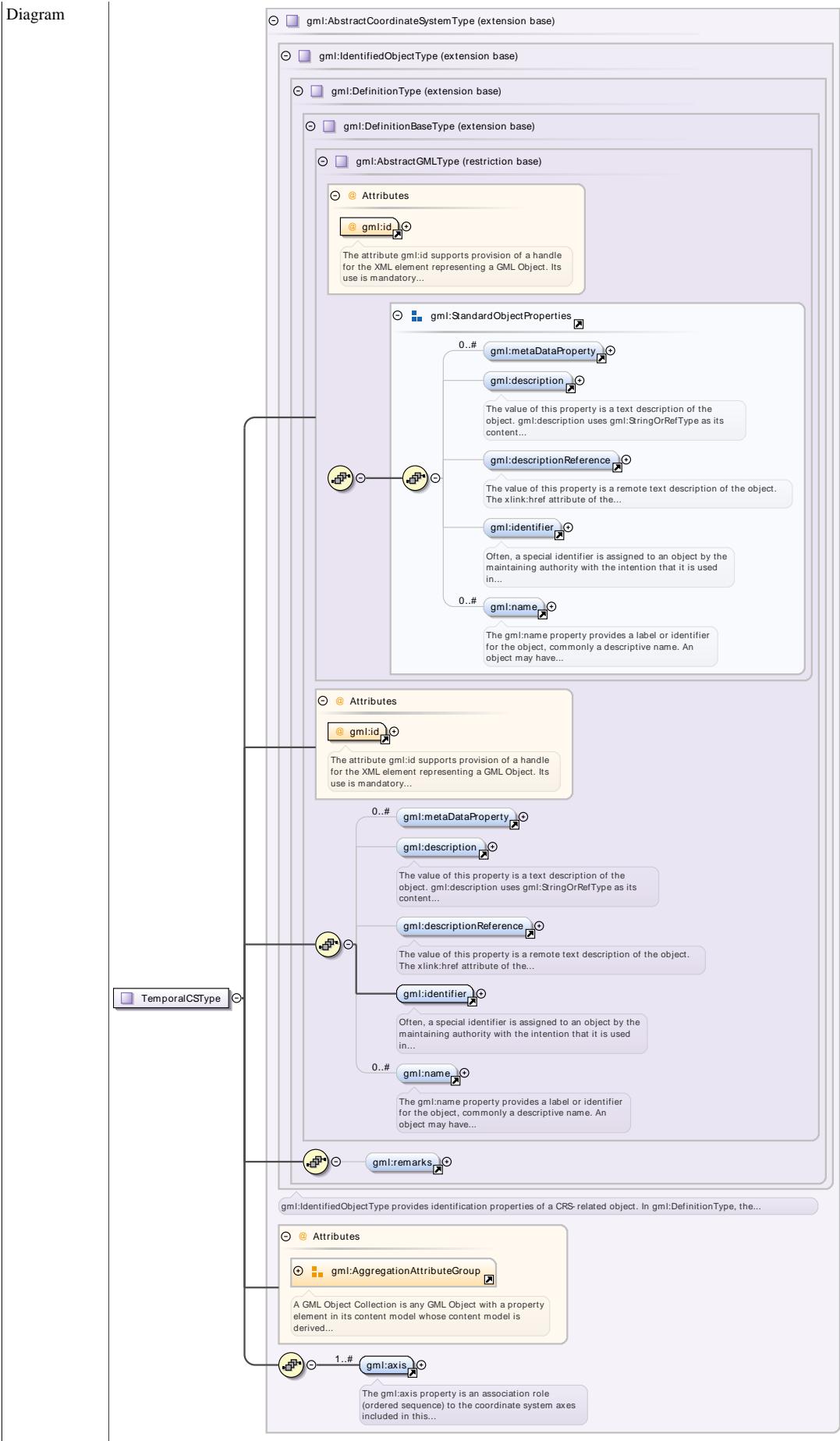
Complex Type `gml:TemporalCSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2		
Diagram	<p>The diagram illustrates the structure of the <code>gml:TemporalCSPROPERTYType</code> complex type. It features a central box labeled <code>TemporalCSPROPERTYType</code> with an association attribute group <code>gml:AssociationAttributeGroup</code> and a <code>gml:TemporalCS</code> element.</p>		
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	<code>anyURI</code>	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
	Use		
	optional		

Complex Type `gml:TemporalCSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractCoordinateSystemType</code>		
Attributes	QName	Type	Use
	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
	<code>gml:id</code>	<code>ID</code>	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type <code>ID</code> , so is constrained to be unique in the XML document within which it occurs.		

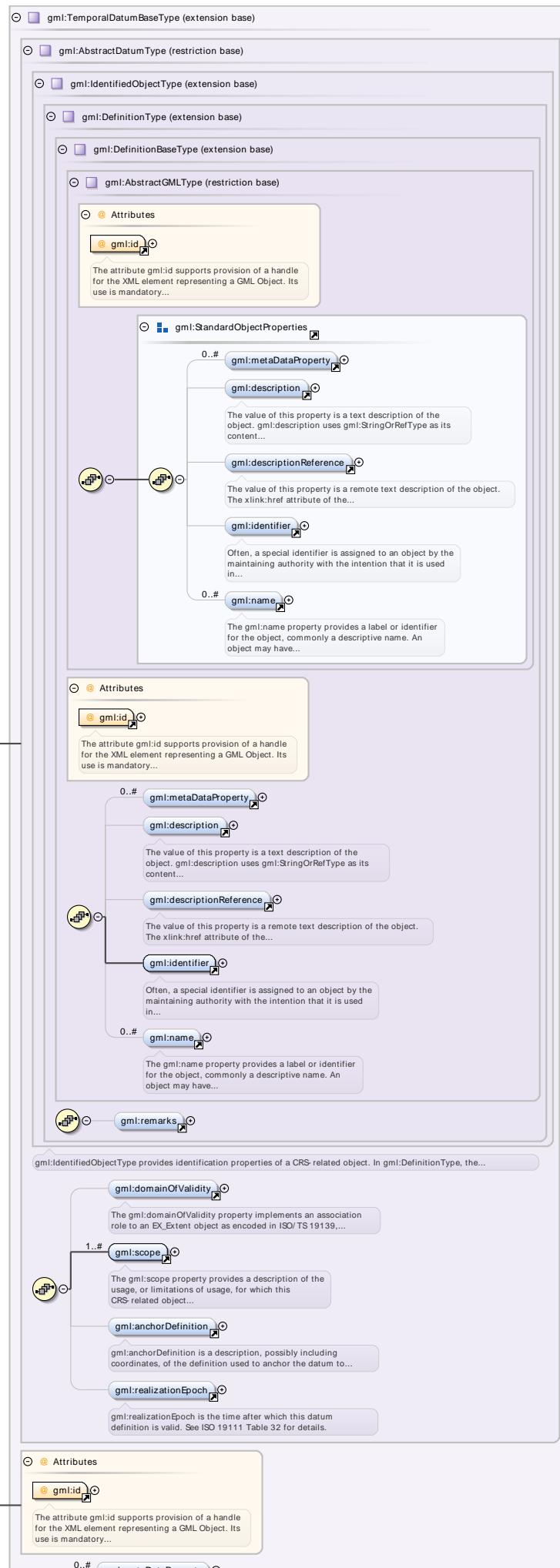
Complex Type `gml:TemporalDatumPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<code>gml:TemporalDatumPropertyType</code> is a property type for association roles to a temporal datum, either referencing or containing the definition of that datum.				
Diagram	<pre> classDiagram class TemporalDatumPropertyType { <<gml:TemporalDatumPropertyType is a property type for association roles to a temporal datum, either referencing or...>> <<XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...>> <<A gml:TemporalDatum defines the origin of a Temporal Reference System. This type omits the "anchorDefinition" and...>> } class gml:TemporalDatum gml:TemporalDatum < -- TemporalDatumPropertyType <<XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...>> <<A gml:TemporalDatum defines the origin of a Temporal Reference System. This type omits the "anchorDefinition" and...>> </pre>				
Attributes	QName	Type	Fixed	Use	
	<code>gml:remoteSchema</code>	<code>anyURI</code>		optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	
	<code>xlink:show</code>	<code>xlink:showType</code>		optional	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional	

Complex Type `gml:TemporalDatumType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

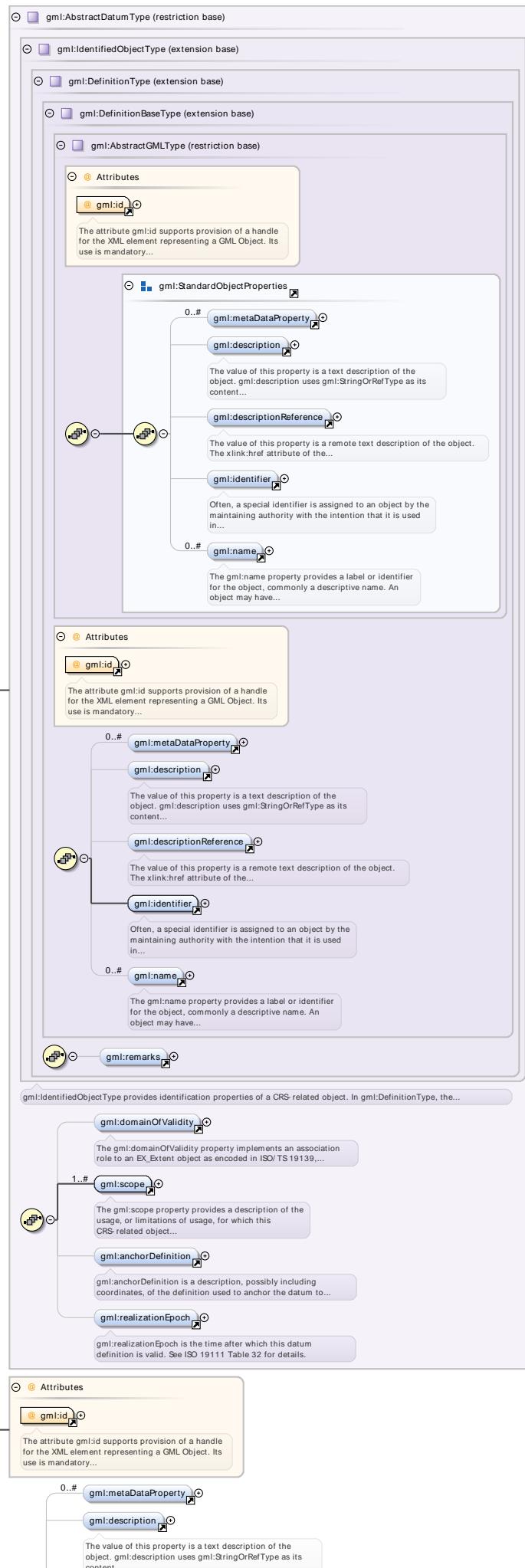


Type	extension of <code>gml:TemporalDatumBaseType</code>		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:TemporalDatumBaseType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The <code>TemporalDatumBaseType</code> partially defines the origin of a temporal coordinate reference system. This type restricts the <code>AbstractDatumType</code> to remove the "anchorDefinition" and "realizationEpoch" elements.

Diagram



Type	restriction of <code>gml:AbstractDatumType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	gml:id	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:TemporalCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:TemporalCRSPROPERTYType</code> is a property type for association roles to a temporal coordinate reference system, either referencing or containing the definition of that reference system.		
Diagram	<p>The diagram illustrates the structure of the <code>gml:TemporalCRSPROPERTYType</code> complex type. It is a property type for association roles to a temporal coordinate reference system. It contains an <code>gml:AssociationAttributeGroup</code> and a reference to <code>gml:TemporalCRS</code>. The <code>gml:TemporalCRS</code> is described as a 1D coordinate reference system used for the recording of time.</p>		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	optional
Attributes	nilReason	<code>gml:NilReasonType</code>	optional
	xlink:actuate	<code>xlink:actuateType</code>	optional
	xlink:arcrole	<code>xlink:arcroleType</code>	optional
	xlink:href	<code>xlink:hrefType</code>	optional
	xlink:role	<code>xlink:roleType</code>	optional
	xlink:show	<code>xlink:showType</code>	optional
	xlink:title	<code>xlink:titleAttrType</code>	optional
	xlink:type	<code>xlink:typeType</code>	simple
Attributes	Use		

Complex Type `gml:DatumPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:DatumPROPERTYType</code> is a property type for association roles to a datum, either referencing or containing the definition of that datum.		
Diagram	<p>The diagram illustrates the structure of the <code>gml:DatumPROPERTYType</code> complex type. It is a property type for association roles to a datum, either referencing or containing the definition of that datum. It contains an <code>gml:AssociationAttributeGroup</code> and a reference to <code>gml:AbstractDatum</code>. The <code>gml:AbstractDatum</code> is described as specifying the relationship of a coordinate system to the earth, thus creating a coordinate...</p>		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	optional
Attributes	nilReason	<code>gml:NilReasonType</code>	optional
	xlink:actuate	<code>xlink:actuateType</code>	optional
	xlink:arcrole	<code>xlink:arcroleType</code>	optional
	Use		

QName	Type	Fixed	Use
xlink:href	xlink:hrefType		optional
xlink:role	xlink:roleType		optional
xlink:show	xlink:showType		optional
xlink:title	xlink:titleAttrType		optional
xlink:type	xlink:typeType	simple	optional

Complex Type **gml:CoordinateOperationPropertyType**

Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:CoordinateOperationPropertyType is a property type for association roles to a coordinate operation, either referencing or containing the definition of that coordinate operation.		
Diagram	<p>The diagram illustrates the structure of the gml:CoordinateOperationPropertyType complex type. It is derived from gml:AbstractCoordinateOperation (indicated by a yellow circle with a plus sign). The type is annotated with a box stating: "gml:CoordinateOperationPropertyType is a property type for association roles to a coordinate operation, either referencing or containing the definition of that coordinate operation...". A callout box for the gml:AssociationAttributeGroup attribute points to a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....".</p>		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	
	xlink:show	xlink:showType	
	xlink:title	xlink:titleAttrType	
	xlink:type	xlink:typeType	simple
			optional

Complex Type **gml:SingleOperationPropertyType**

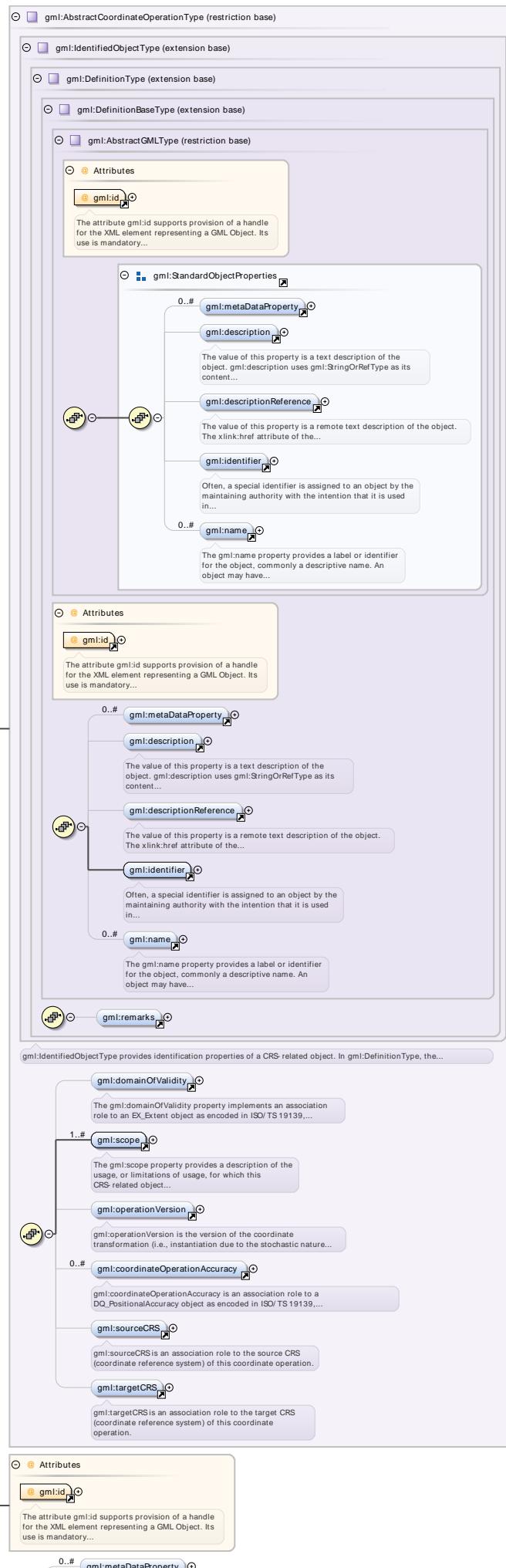
Namespace	http://www.opengis.net/gml/3.2		
Annotations	gml:SingleOperationPropertyType is a property type for association roles to a single operation, either referencing or containing the definition of that single operation.		
Diagram	<p>The diagram illustrates the structure of the gml:SingleOperationPropertyType complex type. It is derived from gml:AbstractSingleOperation (indicated by a yellow circle with a plus sign). The type is annotated with a box stating: "gml:SingleOperationPropertyType is a property type for association roles to a single operation, either referencing or containing the definition of that single operation...". A callout box for the gml:AssociationAttributeGroup attribute points to a note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....".</p>		
Attributes	QName	Type	Fixed
	gml:remoteSchema	anyURI	
	nilReason	gml:NilReasonType	
	xlink:actuate	xlink:actuateType	
	xlink:arcrole	xlink:arcroleType	
	xlink:href	xlink:hrefType	
	xlink:role	xlink:roleType	

QName	Type	Fixed	Use	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Complex Type `gml:AbstractGeneralTransformationType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	restriction of <code>gml:AbstractCoordinateOperationType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

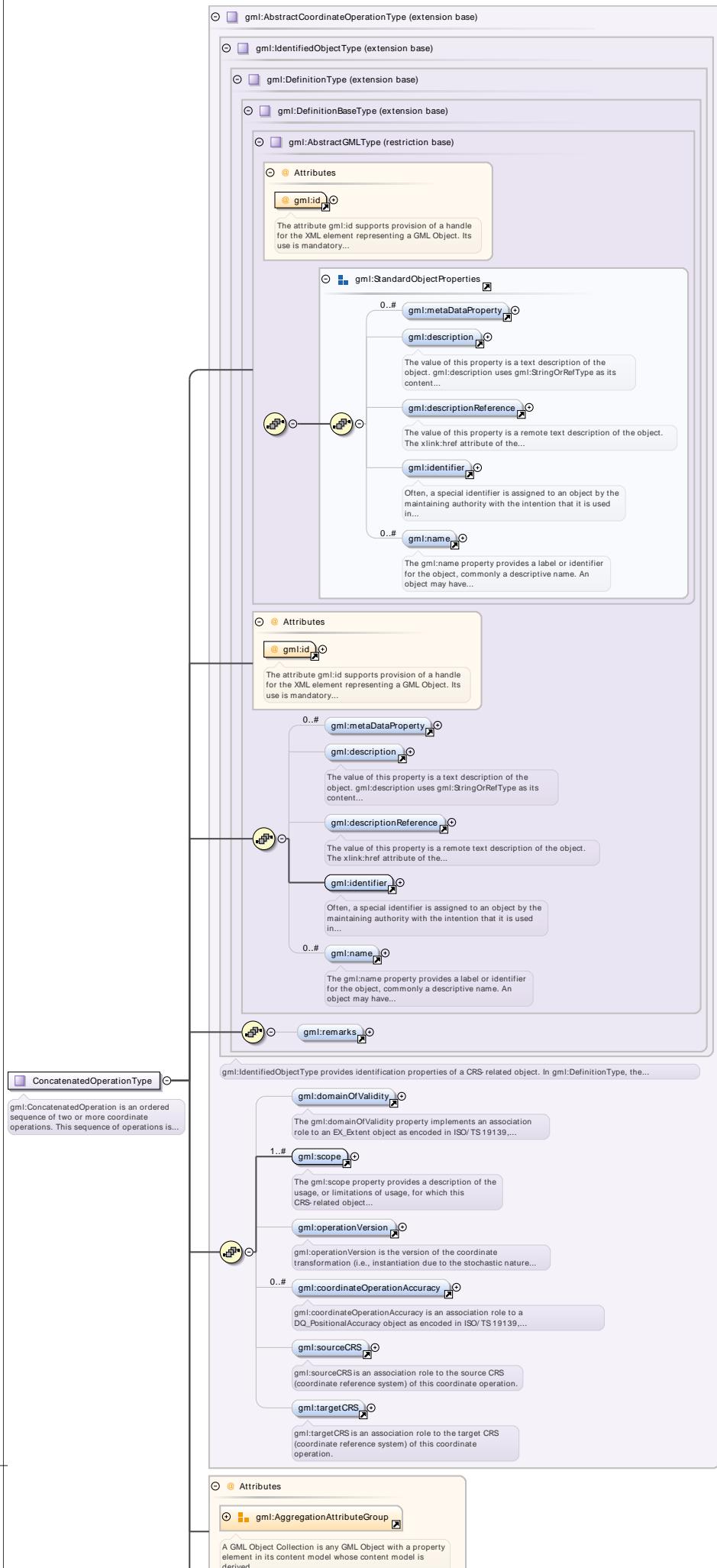
Complex Type `gml:GeneralTransformationPropertyType`

Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:GeneralTransformationPropertyType</code> is a property type for association roles to a general transformation, either referencing or containing the definition of that transformation.		
Diagram			
Attributes	QName	Type	Fixed
	<code>gml:remoteSchema</code>	anyURI	
	<code>nilReason</code>	<code>gml:NilReasonType</code>	
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>	
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>	
	<code>xlink:href</code>	<code>xlink:hrefType</code>	
	<code>xlink:role</code>	<code>xlink:roleType</code>	
	<code>xlink:show</code>	<code>xlink:showType</code>	
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>	
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple
			optional

Complex Type `gml:ConcatenatedOperationType`

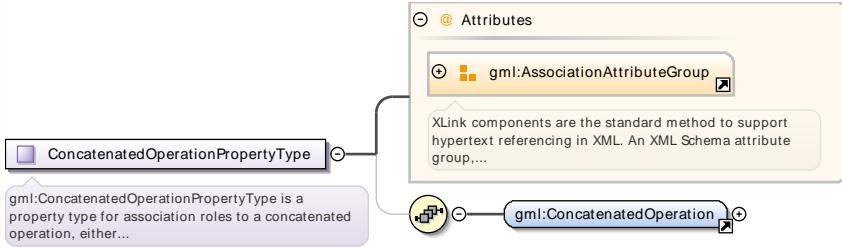
Namespace	http://www.opengis.net/gml/3.2		
Annotations	<code>gml:ConcatenatedOperation</code> is an ordered sequence of two or more coordinate operations. This sequence of operations is constrained by the requirement that the source coordinate reference system of step (n+1) must be the same as the target coordinate reference system of step (n). The source coordinate reference system of the first step and the target coordinate reference system of the last step are the source and target coordinate reference system associated with the concatenated operation. Instead of a forward operation, an inverse operation may be used for one or more of the operation steps mentioned above, if the inverse operation is uniquely defined by the forward operation. The <code>gml:coordOperation</code> property elements are an ordered sequence of associations to the two or more operations used by this concatenated operation. The <code>AggregationAttributeGroup</code> should be used to specify that the <code>coordOperation</code> associations are ordered.		

Diagram



Type	extension of gml:AbstractCoordinateOperationType		
Attributes	QName	Type	Use
	aggregationType	gml:AggregationType	optional
	gml:id	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

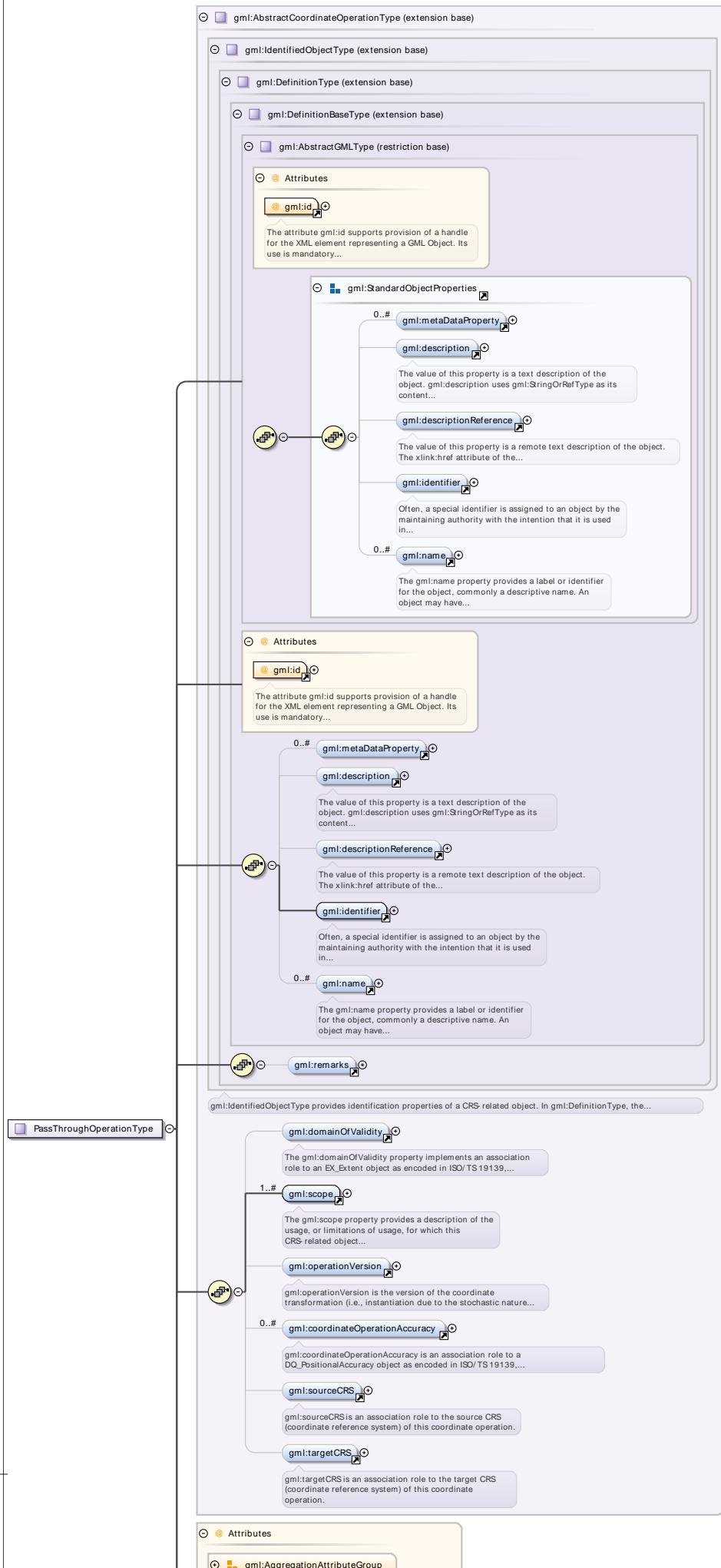
Complex Type gml:ConcatenatedOperationPropertyType

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:ConcatenatedOperationPropertyType is a property type for association roles to a concatenated operation, either referencing or containing the definition of that concatenated operation.				
Diagram	 <p>gml:ConcatenatedOperationPropertyType is a property type for association roles to a concatenated operation, either...</p>				
Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Complex Type gml:PassThroughOperationType

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram



Type	extension of gml:AbstractCoordinateOperationType			
Attributes	QName	Type	Use	
	aggregationType	gml:AggregationType	optional	
	gml:id	ID	required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

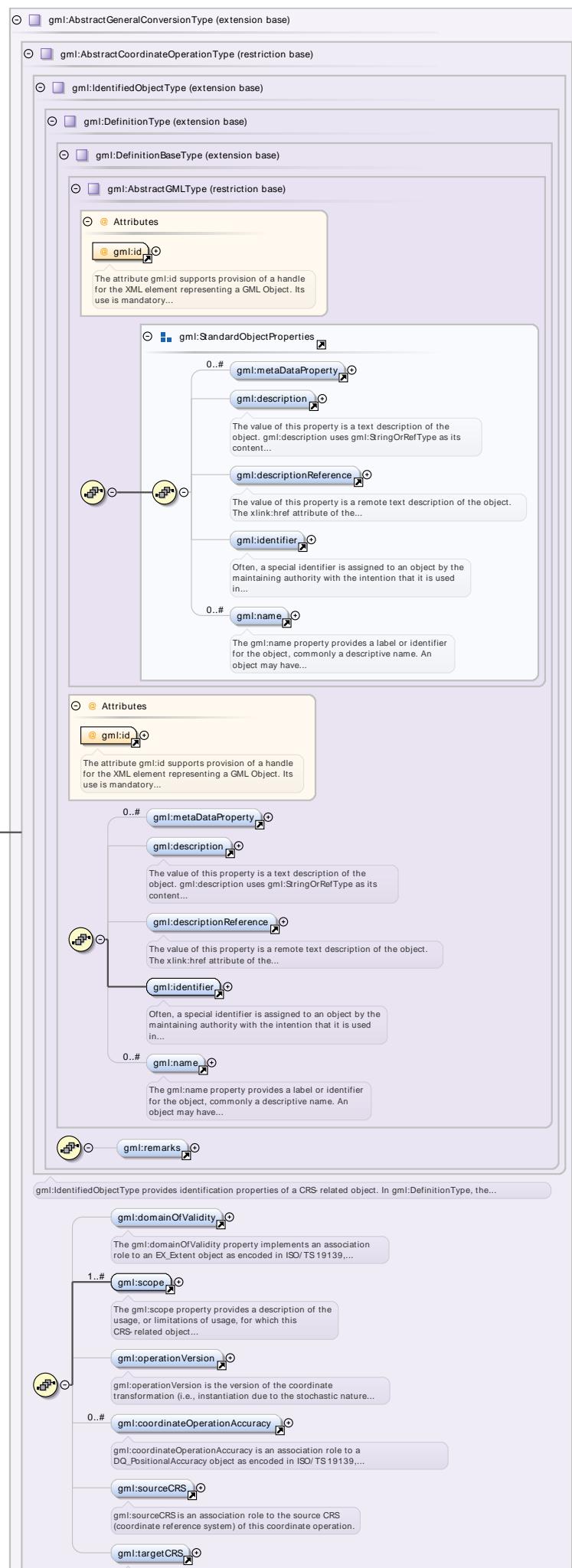
Complex Type gml:PassThroughOperationPropertyType

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:PassThroughOperationPropertyType is a property type for association roles to a pass through operation, either referencing or containing the definition of that pass through operation.				
Diagram	<p>The diagram illustrates the inheritance of gml:PassThroughOperationPropertyType from gml:AbstractCoordinateOperationType. It also shows the association of gml:PassThroughOperationPropertyType with gml:PassThroughOperation. A callout box provides a detailed description of the XLink components used for hypertext referencing.</p>				
Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Complex Type gml:ConversionType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractGeneralConversionType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

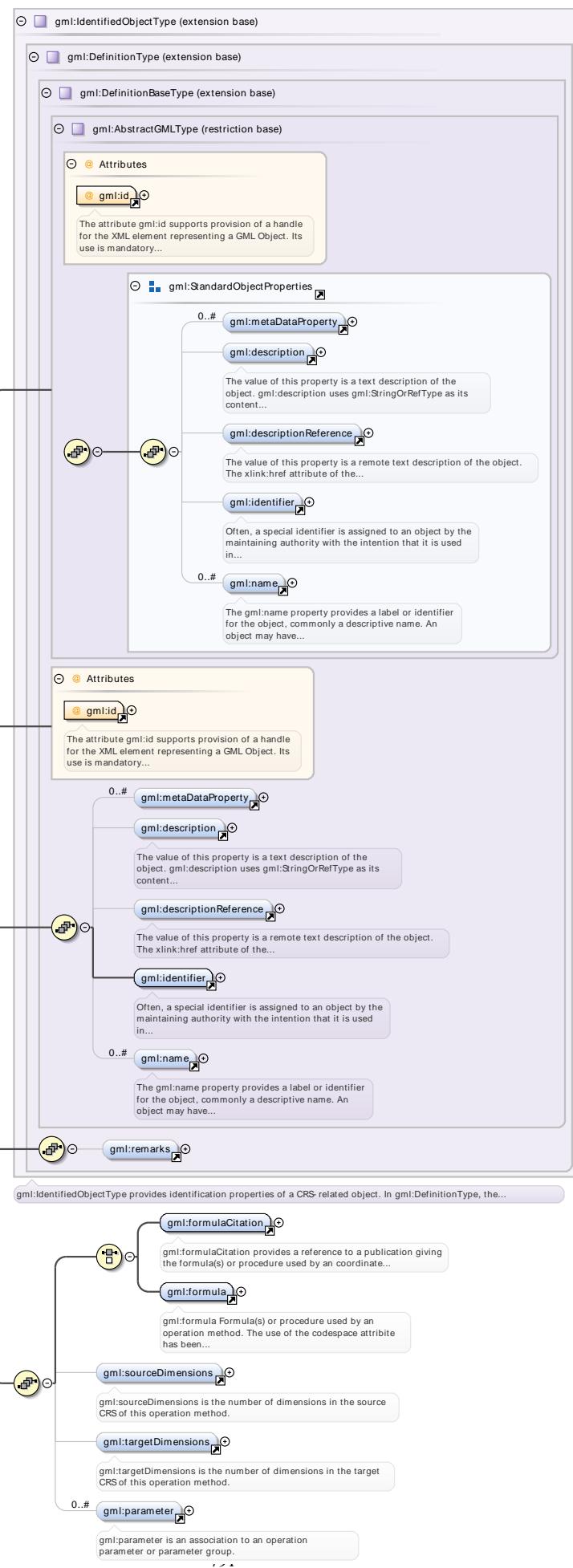
Complex Type `gml:OperationMethodPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:OperationMethodPropertyType</code> is a property type for association roles to a concrete general-purpose operation method, either referencing or containing the definition of that method.			
Diagram	<p>The diagram illustrates the structure of <code>gml:OperationMethodPropertyType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: A box labeled <code>gml:AssociationAttributeGroup</code> is shown, with a note explaining that XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group is mentioned. Relationships: A line connects <code>gml:OperationMethodPropertyType</code> to <code>gml:OperationMethod</code>. A callout box for <code>gml:OperationMethod</code> states: "gml:OperationMethod is a method (algorithm or procedure) used to perform a coordinate operation. Most operation methods..." 			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:OperationMethodType`

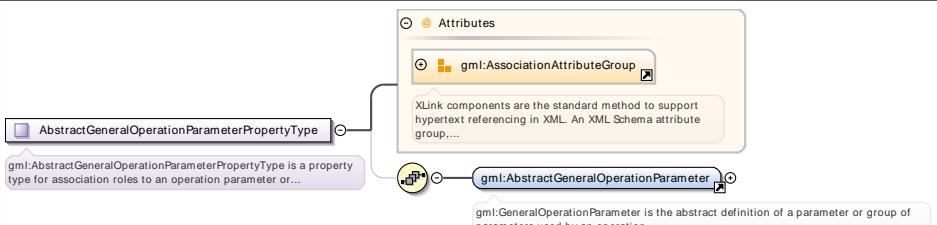
Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:IdentifiedObjectType</code>			
Attributes	QName <code>gml:id</code>	Type ID	Use required	
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

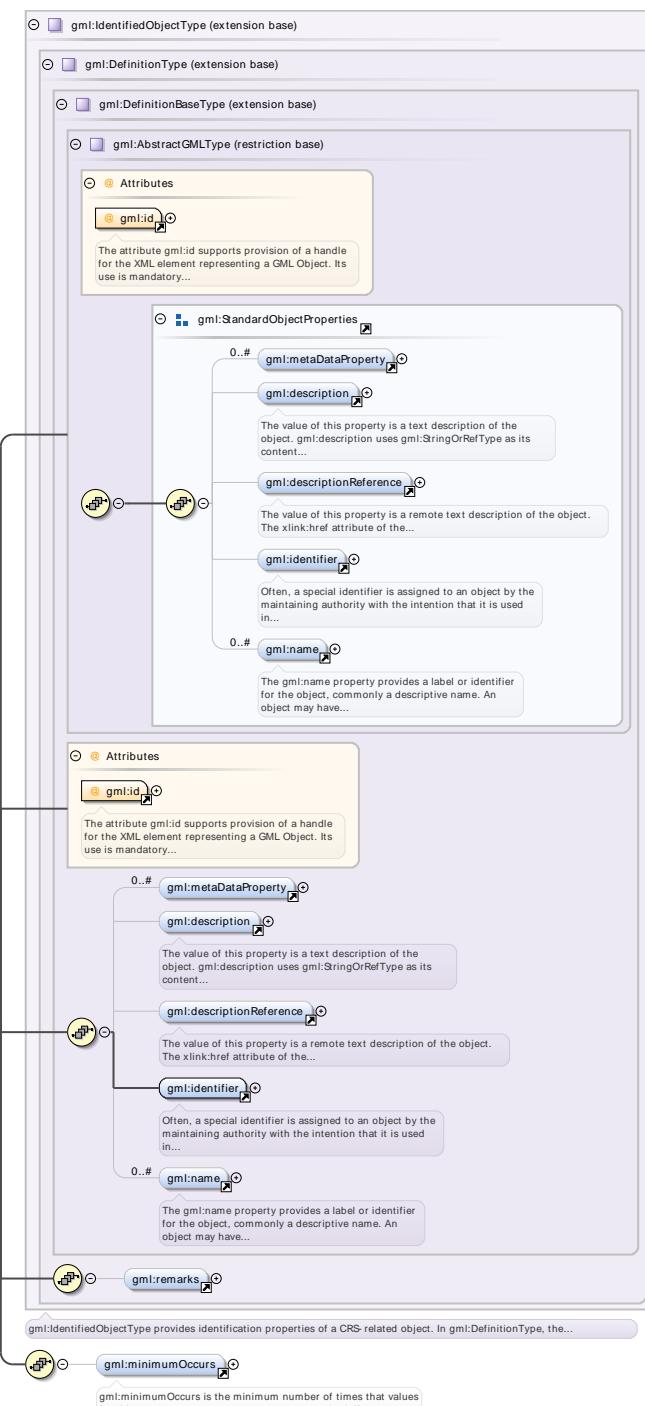
Complex Type `gml:AbstractGeneralOperationParameterPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	<code>gml:AbstractGeneralOperationParameterPropertyType</code> is a property type for association roles to an operation parameter or group, either referencing or containing the definition of that parameter or group.				
Diagram	 <p><code>gml:AbstractGeneralOperationParameterPropertyType</code> is a property type for association roles to an operation parameter or group...</p> <p>gml:AbstractGeneralOperationParameterPropertyType is a property type for association roles to an operation parameter or group...</p> <p>gml:GeneralOperationParameter is the abstract definition of a parameter or group of parameters used by an operation...</p>				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed 	Use optional optional optional optional optional optional optional optional optional optional	

Complex Type `gml:AbstractGeneralOperationParameterType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

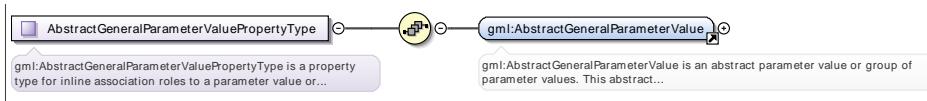


Type	extension of <code>gml:IdentifiedObjectType</code>		
Properties	abstract: true		
Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:AbstractGeneralParameterValuePropertyType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:AbstractGeneralParameterValuePropertyType</code> is a property type for inline association roles to a parameter value or group of parameter values, always containing the values.

Diagram

**Complex Type gml:AbstractGeneralParameterValueType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Properties	abstract: true

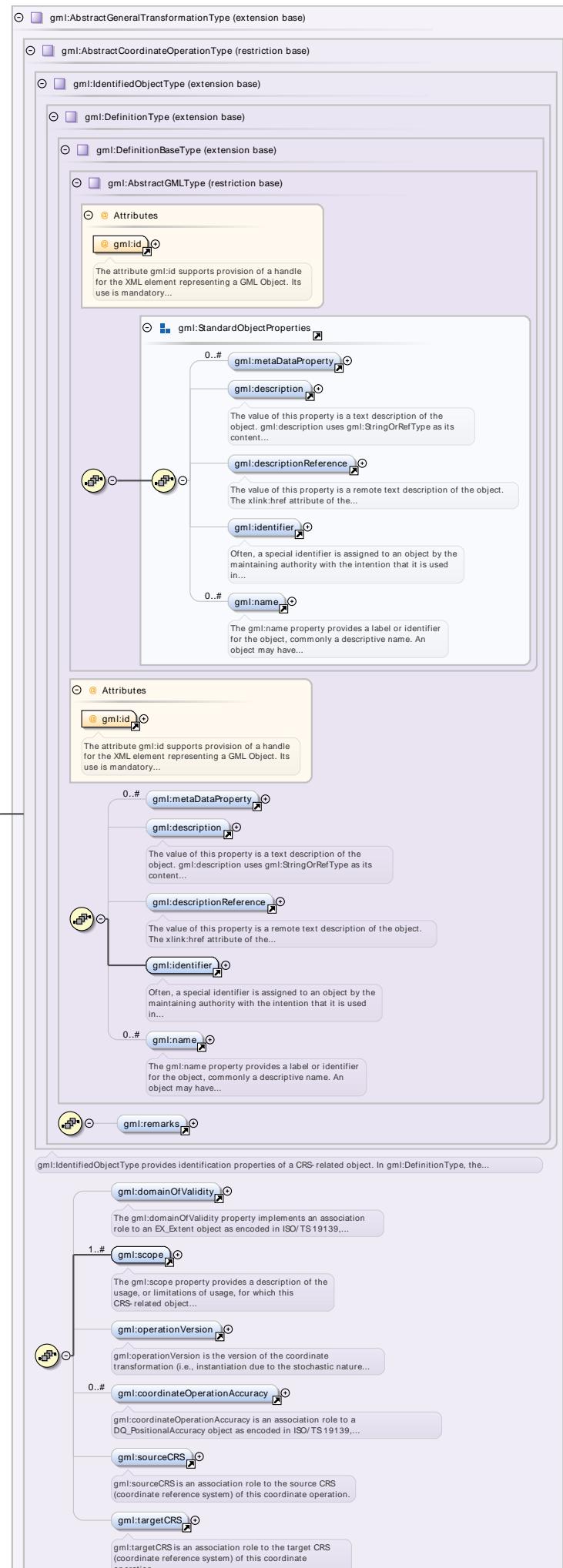
Complex Type gml:Conversion.PropertyType

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:Conversion.PropertyType is a property type for association roles to a concrete general-purpose conversion, either referencing or containing the definition of that conversion.				
Diagram	<p>Conversion.PropertyType is a property type for association roles to a concrete general-purpose conversion, either...</p> <p>gml:Conversion is a concrete operation on coordinates that does not include any change of Datum. The best-known example...</p>				
Attributes	QName	Type	Fixed	Use	
	gml:remoteSchema	anyURI		optional	
	nilReason	gml:NilReasonType		optional	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Complex Type gml:TransformationType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractGeneralTransformationType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:TransformationPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	<code>gml:TransformationPropertyType</code> is a property type for association roles to a transformation, either referencing or containing the definition of that transformation.			
Diagram	<p>The diagram illustrates the structure of the <code>gml:TransformationPropertyType</code>. It is a complex type that extends <code>gml:AbstractGeneralTransformationType</code>. It has an association with the <code>gml:Transformation</code> element, indicated by a line with a diamond symbol. A callout box provides a detailed description of this association: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." and "gml:Transformation is a concrete object element derived from gml:GeneralTransformation (13.6.2.13). This concrete...".</p>			
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:ParameterValueType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram	<pre> classDiagram class gml:AbstractGeneralParameterValueType { <<extension base>> } class gml:value class gml:dmsAngleValue class gml:stringValue class gml:integerValue class gml:booleanValue class gml:valueList class gml:integerValueList class gml:valueFile class gml:operationParameter gml:AbstractGeneralParameterValueType < -- gml:value gml:AbstractGeneralParameterValueType < -- gml:dmsAngleValue gml:AbstractGeneralParameterValueType < -- gml:stringValue gml:AbstractGeneralParameterValueType < -- gml:integerValue gml:AbstractGeneralParameterValueType < -- gml:booleanValue gml:AbstractGeneralParameterValueType < -- gml:valueList gml:AbstractGeneralParameterValueType < -- gml:integerValueList gml:AbstractGeneralParameterValueType < -- gml:valueFile gml:AbstractGeneralParameterValueType < -- gml:operationParameter </pre>
Type	extension of gml:AbstractGeneralParameterValueType

Complex Type gml:DMSAngleType

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram class gml:DMSAngleType class gml:degrees class gml:decimalMinutes class gml:minutes class gml:seconds gml:DMSAngleType < -- gml:degrees gml:DMSAngleType < -- gml:decimalMinutes gml:DMSAngleType < -- gml:minutes gml:DMSAngleType < -- gml:seconds </pre>

Complex Type gml:DegreesType

Namespace	http://www.opengis.net/gml/3.2						
Diagram	<pre> classDiagram class gml:DegreesType class gml:DegreeValueType class Attributes class @direction gml:DegreesType < -- gml:DegreeValueType gml:DegreesType < -- Attributes gml:DegreesType < -- @direction </pre>						
Type	extension of gml:DegreeValueType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>direction</td> <td>restriction of string</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	direction	restriction of string	optional
QName	Type	Use					
direction	restriction of string	optional					

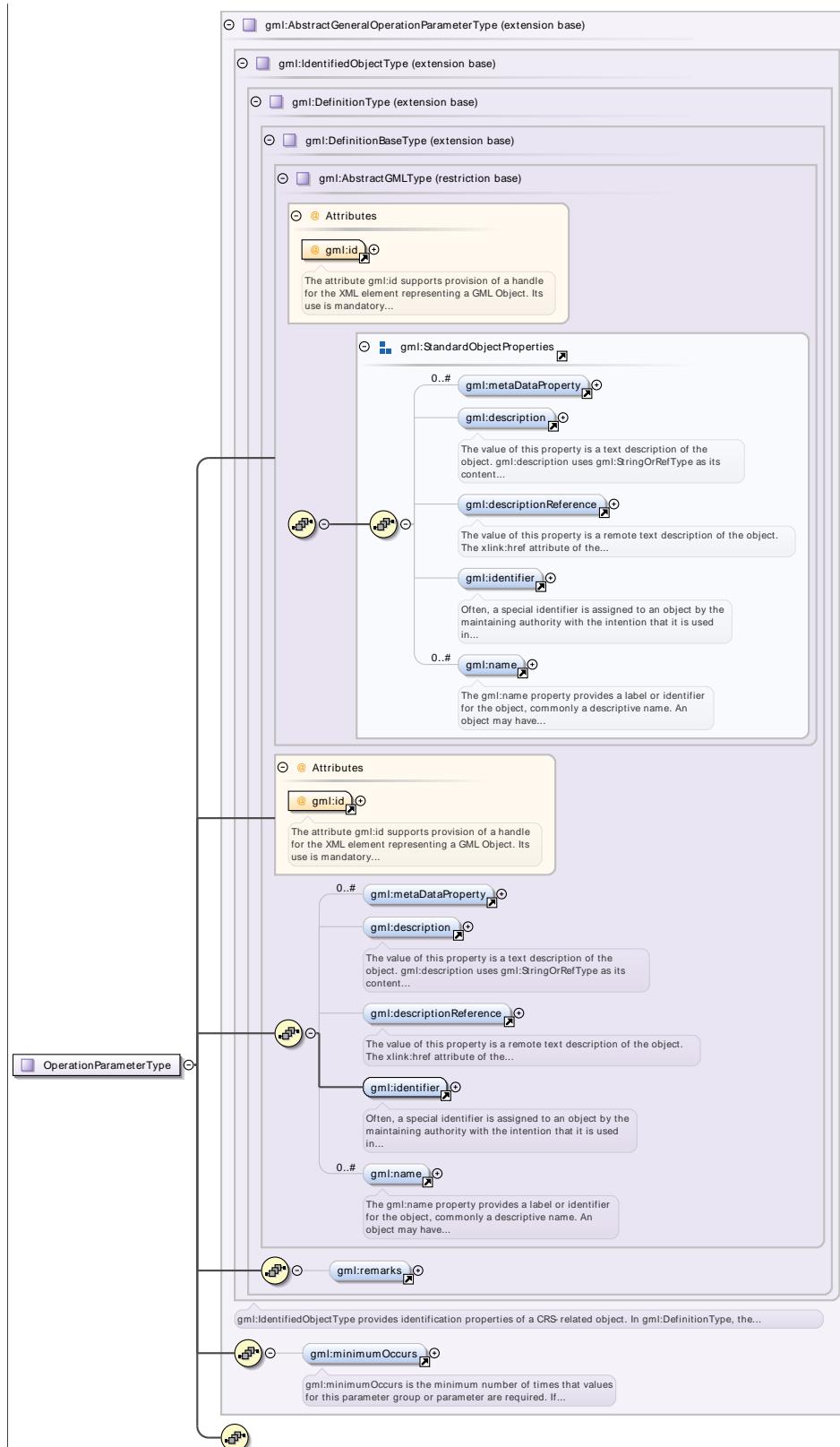
Complex Type `gml:OperationParameterPropertyType`

Namespace	http://www.opengis.net/gml/3.2			
Annotations	gml:OperationParameterPropertyType is a property type for association roles to an operation parameter, either referencing or containing the definition of that parameter.			
Diagram	<p>The diagram illustrates the structure of the <code>gml:OperationParameterPropertyType</code> complex type. It is a property type for association roles to an operation parameter. The type is defined by the <code>gml:AssociationAttributeGroup</code> and contains the <code>gml:OperationParameter</code>. The <code>gml:OperationParameter</code> is the definition of a parameter used by an operation method. Most parameter values are numeric. XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group, <code>gml:AssociationAttributeGroup</code>, is also shown.</p>			
Attributes	QName	Type	Fixed	Use
	<code>gml:remoteSchema</code>	anyURI		optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional
	<code>xlink:role</code>	<code>xlink:roleType</code>		optional
	<code>xlink:show</code>	<code>xlink:showType</code>		optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional

Complex Type `gml:OperationParameterType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

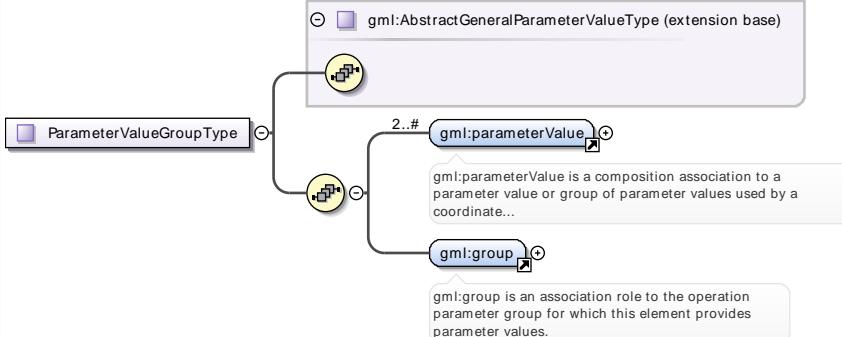


Type	extension of gml:AbstractGeneralOperationParameterType		
------	--------------------------------------------------------	--	--

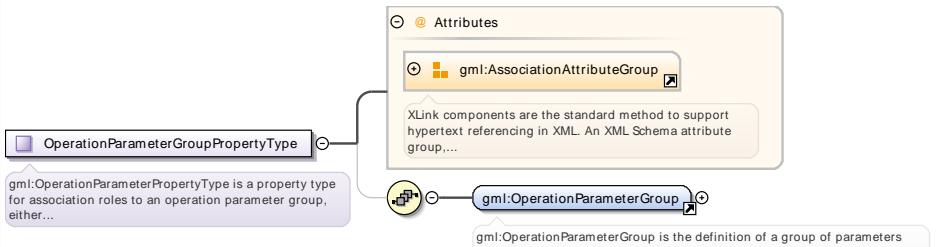
Attributes	QName	Type	Use
	gml:id	ID	required

The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:ParameterValueGroupType`

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>gml:parameterValue is a composition association to a parameter value or group of parameter values used by a coordinate...</p> <p>gml:group is an association role to the operation parameter group for which this element provides parameter values.</p>
Type	extension of <code>gml:AbstractGeneralParameterValueType</code>

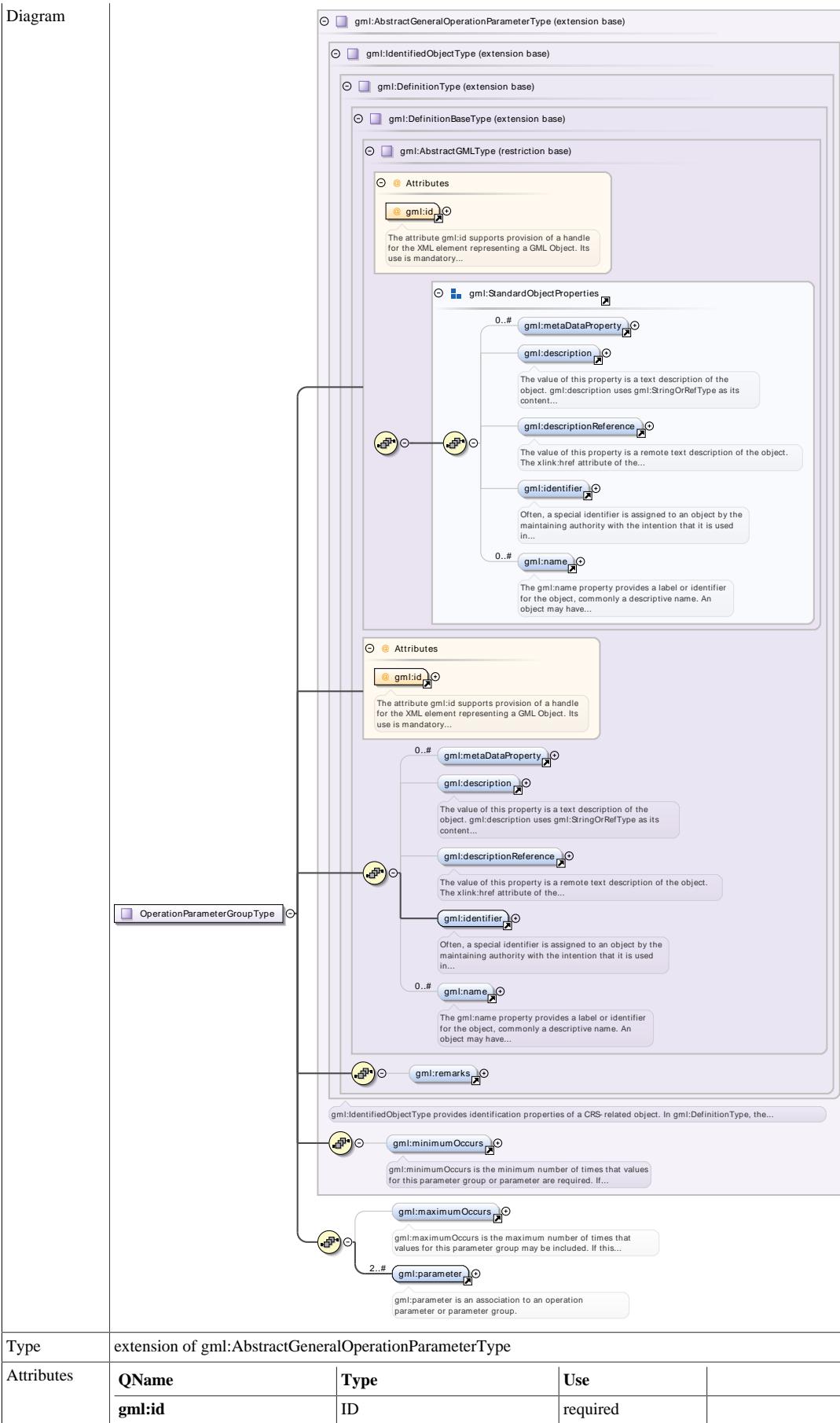
Complex Type `gml:OperationParameterGroupPropertyType`

Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	<p><code>gml:OperationParameterPropertyType</code> is a property type for association roles to an operation parameter group, either referencing or containing the definition of that parameter group.</p>																																								
Diagram	 <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...</p> <p>gml:OperationParameterGroup is the definition of a group of parameters used by an operation method. This complex type...</p>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:remoteSchema</code></td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>gml:remoteSchema</code>	anyURI		optional	<code>nilReason</code>	<code>gml:NilReasonType</code>		optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional	<code>xlink:href</code>	<code>xlink:hrefType</code>		optional	<code>xlink:role</code>	<code>xlink:roleType</code>		optional	<code>xlink:show</code>	<code>xlink:showType</code>		optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional
QName	Type	Fixed	Use																																						
<code>gml:remoteSchema</code>	anyURI		optional																																						
<code>nilReason</code>	<code>gml:NilReasonType</code>		optional																																						
<code>xlink:actuate</code>	<code>xlink:actuateType</code>		optional																																						
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>		optional																																						
<code>xlink:href</code>	<code>xlink:hrefType</code>		optional																																						
<code>xlink:role</code>	<code>xlink:roleType</code>		optional																																						
<code>xlink:show</code>	<code>xlink:showType</code>		optional																																						
<code>xlink:title</code>	<code>xlink:titleAttrType</code>		optional																																						
<code>xlink:type</code>	<code>xlink:typeType</code>	simple	optional																																						

Complex Type `gml:OperationParameterGroupType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



QName	Type	Use
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

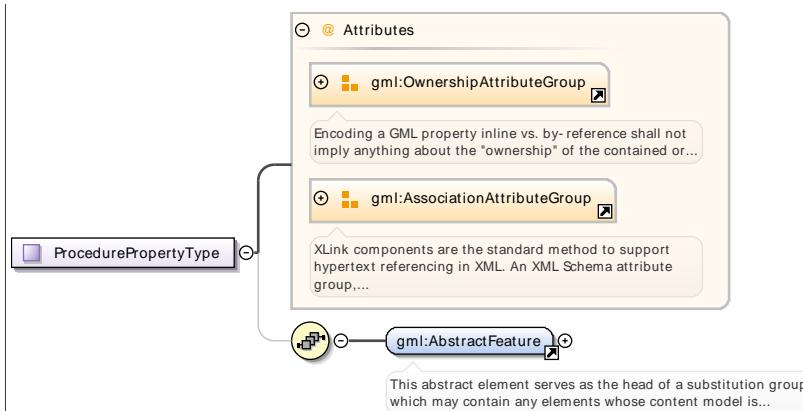
Complex Type `gml:ObservationType`

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<p>The diagram illustrates the structure of the <code>gml:ObservationType</code> complex type. It is an extension of <code>gml:AbstractFeatureType</code> (extension base). <code>gml:ObservationType</code> has an association with <code>gml:ProcedurePropertyType</code> (multiplicity 0..1). The <code>gml:StandardObjectProperties</code> block contains attributes: <code>gml:id</code> (mandatory), <code>gml:metaDataProperty</code> (0..#), <code>gml:description</code>, <code>gml:descriptionReference</code>, <code>gml:identifier</code>, and <code>gml:name</code> (0..#). The <code>gml:metaDataProperty</code> block contains <code>gml:location</code> and <code>gml:boundedBy</code>. The <code>gml:location</code> block contains <code>gml:validTime</code>, <code>gml:using</code>, <code>gml:target</code>, and <code>gml:resultOf</code>.</p>									
Type	extension of <code>gml:AbstractFeatureType</code>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> <td></td> </tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<code>gml:id</code>	ID	required								
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Complex Type `gml:Procedure.PropertyType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Attributes

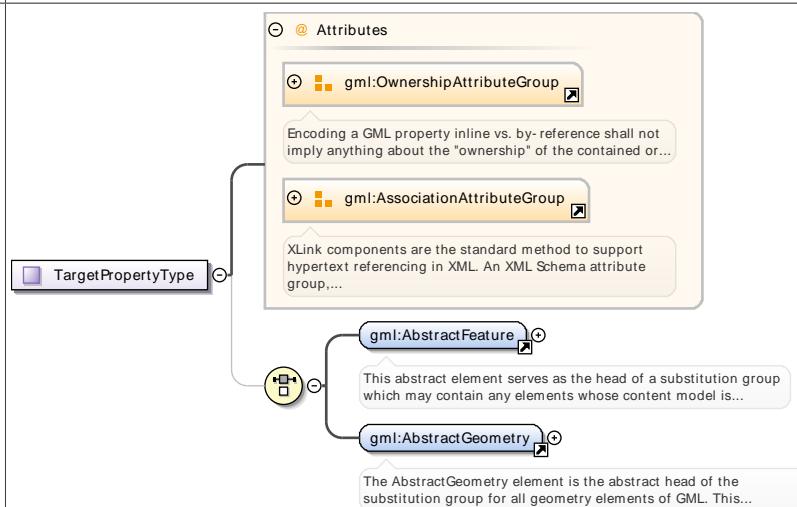
QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:TargetPropertyType`

Namespace

http://www.opengis.net/gml/3.2

Diagram



Attributes

QName	Type	Fixed	Default	Use
<code>gml:remoteSchema</code>	anyURI			optional
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
<code>owns</code>	boolean		false	optional
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
<code>xlink:role</code>	<code>xlink:roleType</code>			optional
<code>xlink:show</code>	<code>xlink:showType</code>			optional

QName	Type	Fixed	Default	Use
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

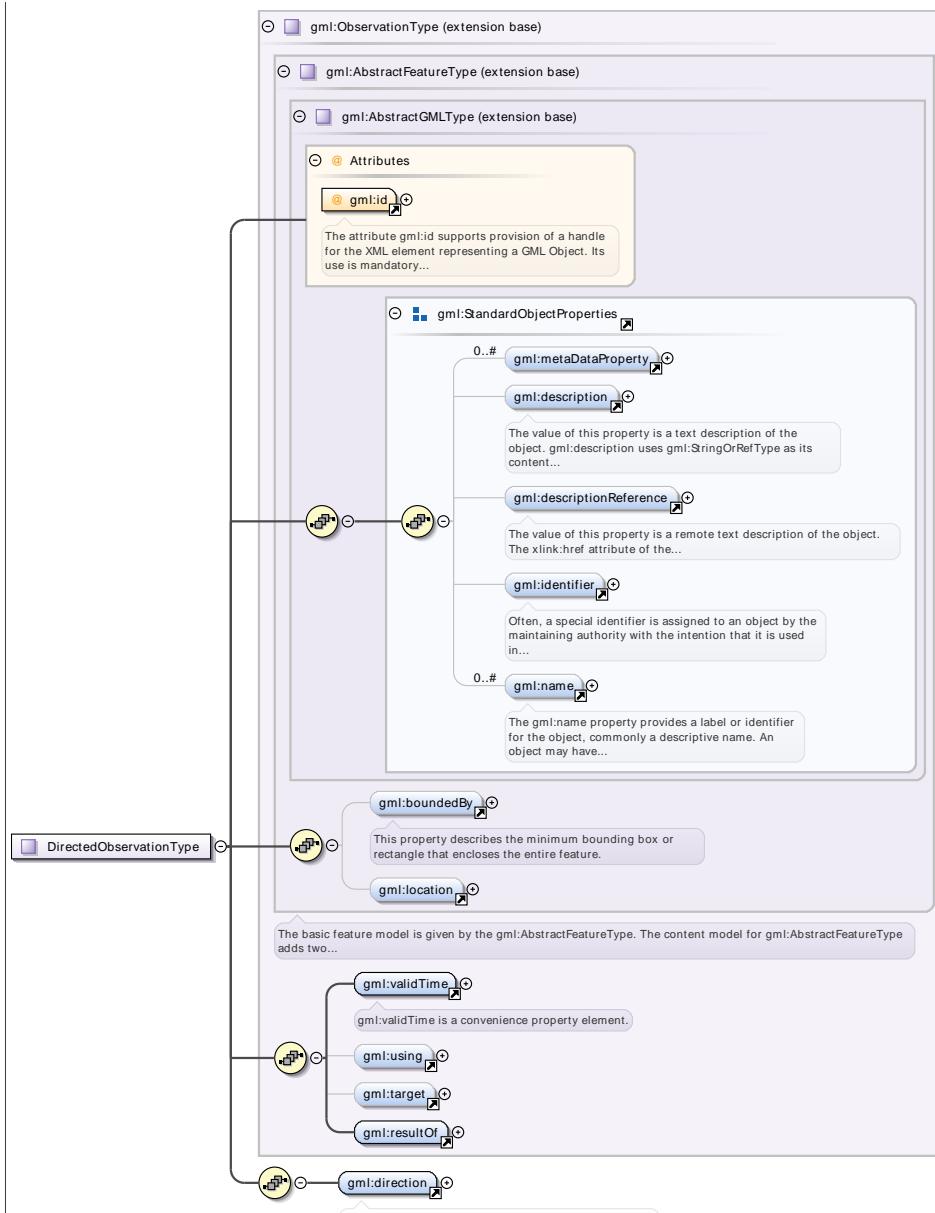
Complex Type **gml:ResultType**

Namespace	http://www.opengis.net/gml/3.2																																																											
Diagram	<p>The diagram illustrates the structure of the gml:ResultType complex type. It starts with a box for ResultType, which is derived from gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. Both of these groups inherit from gml:#any. A callout box provides a note about the difference between inline and by-reference encoding of GML properties. Another callout box explains the use of XLink components for hypertext referencing.</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																								
gml:remoteSchema	anyURI			optional																																																								
nilReason	gml:NilReasonType			optional																																																								
owns	boolean		false	optional																																																								
xlink:actuate	xlink:actuateType			optional																																																								
xlink:arcrole	xlink:arcroleType			optional																																																								
xlink:href	xlink:hrefType			optional																																																								
xlink:role	xlink:roleType			optional																																																								
xlink:show	xlink:showType			optional																																																								
xlink:title	xlink:titleAttrType			optional																																																								
xlink:type	xlink:typeType	simple		optional																																																								

Complex Type **gml:DirectedObservationType**

Namespace	http://www.opengis.net/gml/3.2				
-----------	--------------------------------	--	--	--	--

Diagram



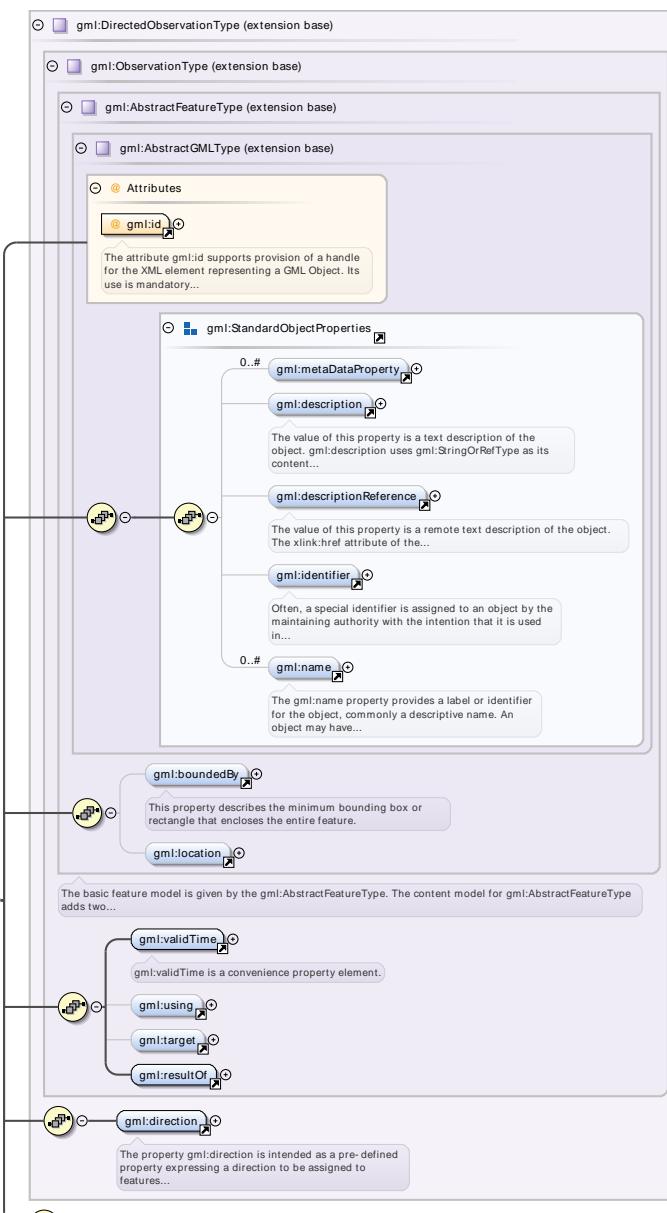
Type extension of `gml:ObservationType`

Attributes	QName	Type	Use	
	<code>gml:id</code>	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:DirectedObservationAtDistanceType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram

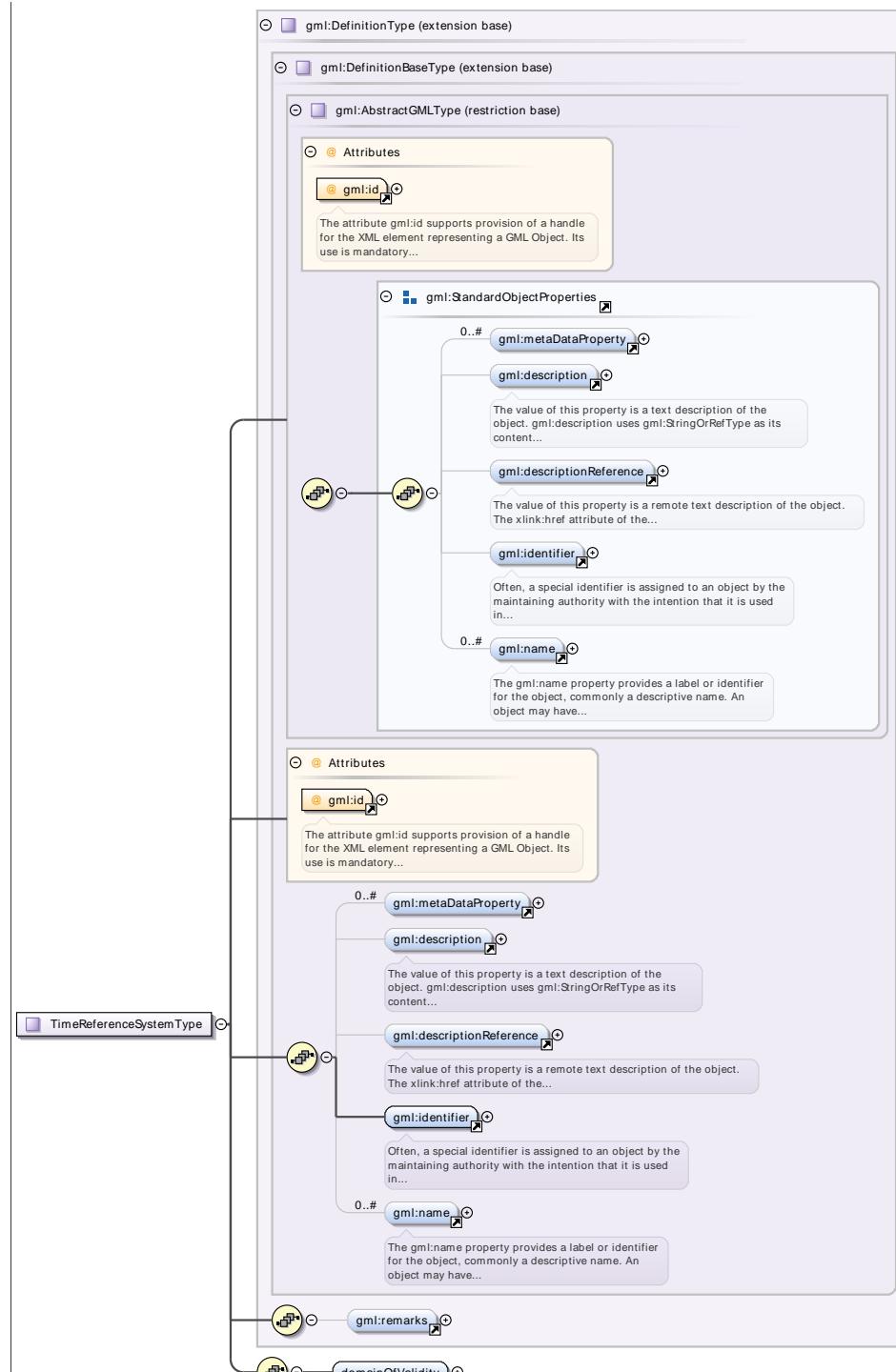


Type	extension of <code>gml:DirectedObservationType</code>		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:TimeReferenceSystemType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



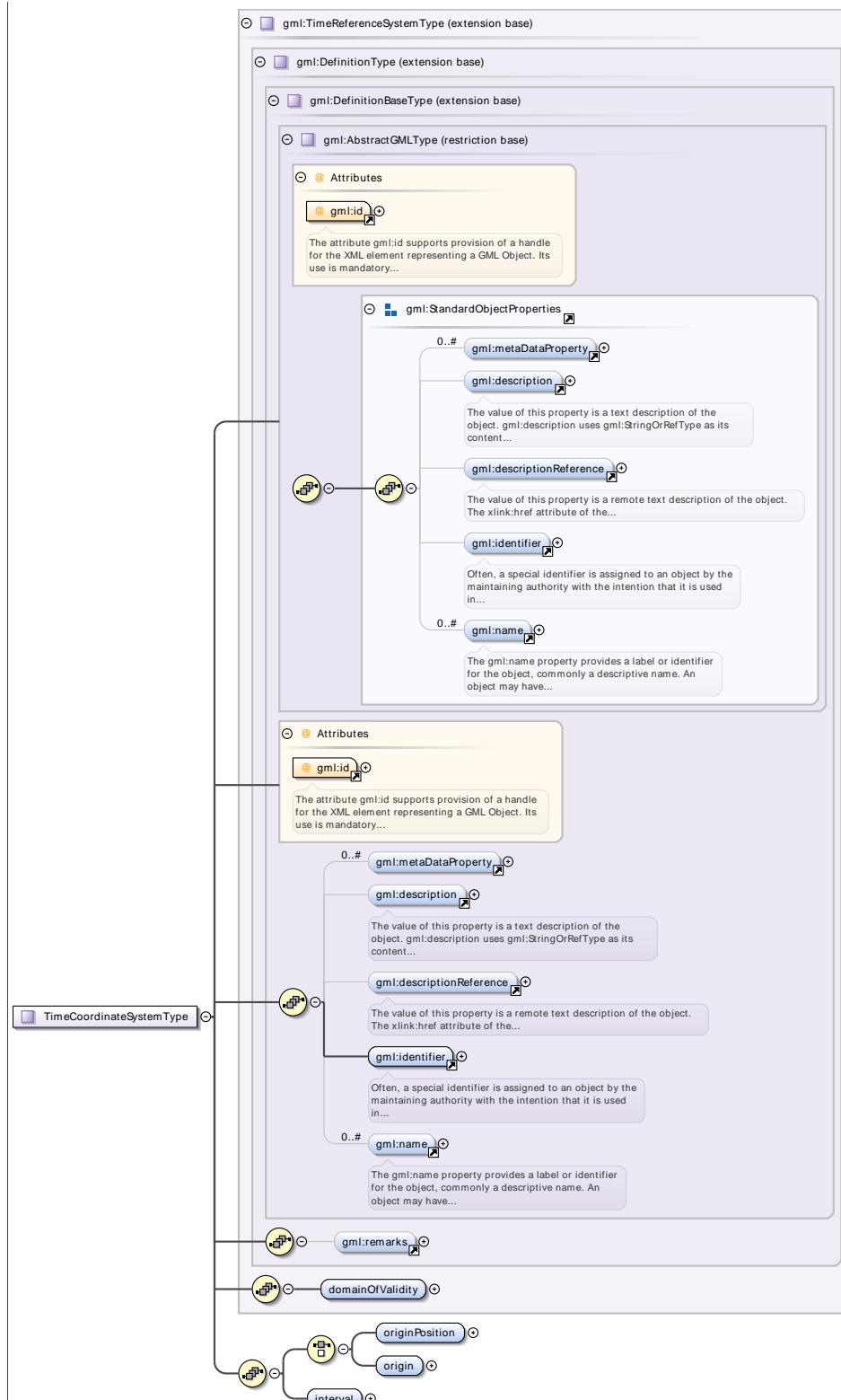
Type extension of gml:DefinitionType

Attributes	QName	Type	Use	
	gml:id	ID	required	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type gml:TimeCoordinateSystemType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:TimeReferenceSystemType`

Attributes	QName	Type	Use	
	gml:id	ID	required	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:TimeCalendarType`

Namespace	http://www.opengis.net/gml/3.2								
Diagram	<pre> classDiagram class TimeCalendarType { <<TimeReferenceSystemType>> <<AbstractGMLType>> gml:metaDataProperty gml:description gml:descriptionReference gml:identifier gml:name gml:remarks domainOfValidity referenceFrame } </pre>								
Type	extension of <code>gml:TimeReferenceSystemType</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required		
QName	Type	Use							
<code>gml:id</code>	ID	required							

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

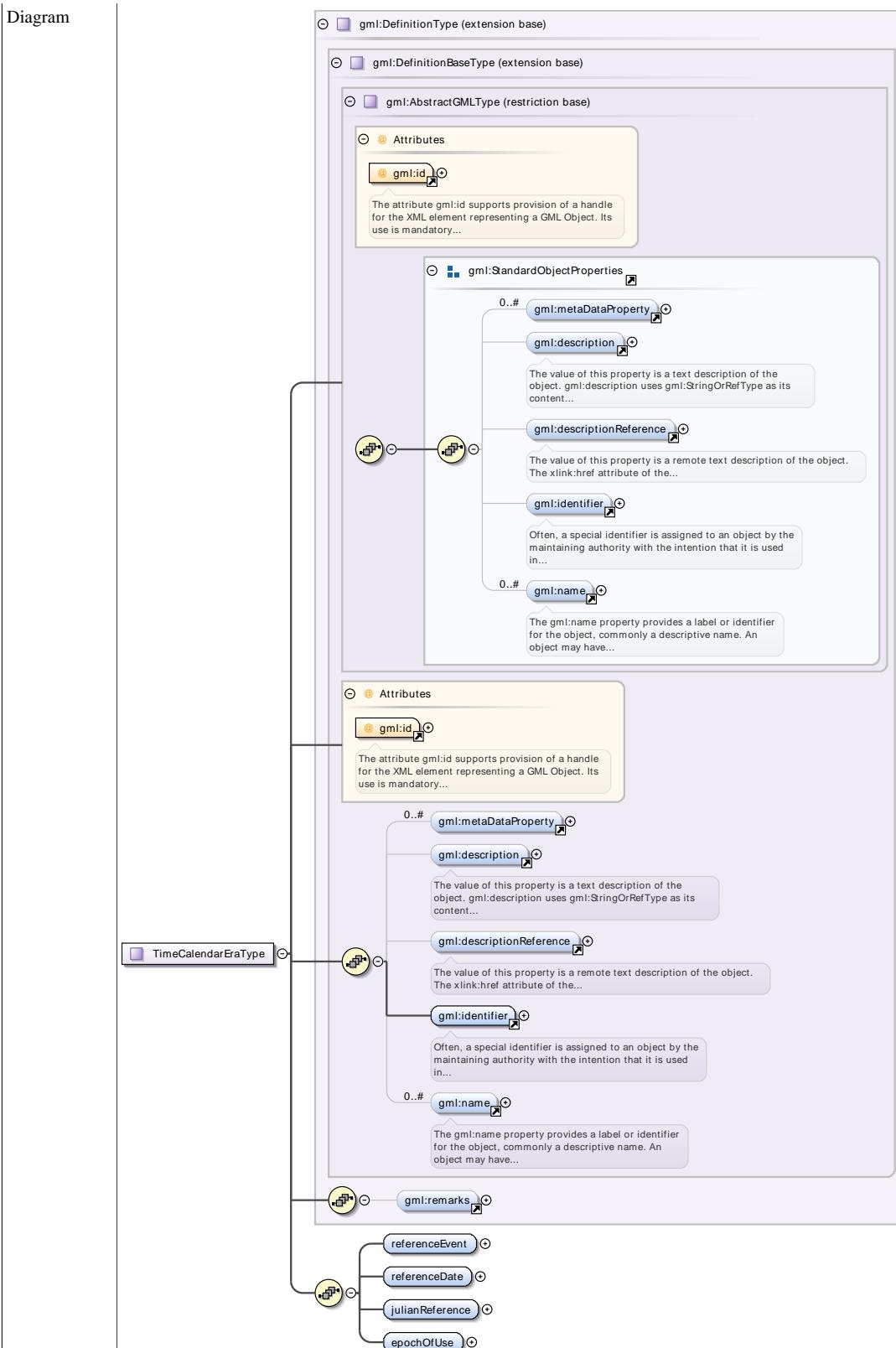
Complex Type **gml:TimeCalendarEraPropertyType**

Namespace	http://www.opengis.net/gml/3.2					
Annotations	gml:TimeCalendarEraPropertyType provides for associating a gml:TimeCalendarEra with an object.					
Diagram	<p>The diagram illustrates the structure of the gml:TimeCalendarEraPropertyType. It shows inheritance from gml:DefinitionType, which is indicated by a line connecting the two. The gml:TimeCalendarEraPropertyType is associated with two groups of attributes: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A callout box provides a note about the difference between inline and by-reference encoding of attributes. Another callout box explains the use of XLink components for hypertext referencing.</p>					
Attributes	QName	Type	Fixed	Default	Use	
	gml:remoteSchema	anyURI			optional	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	

Complex Type **gml:TimeCalendarEraType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:DefinitionType`

Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

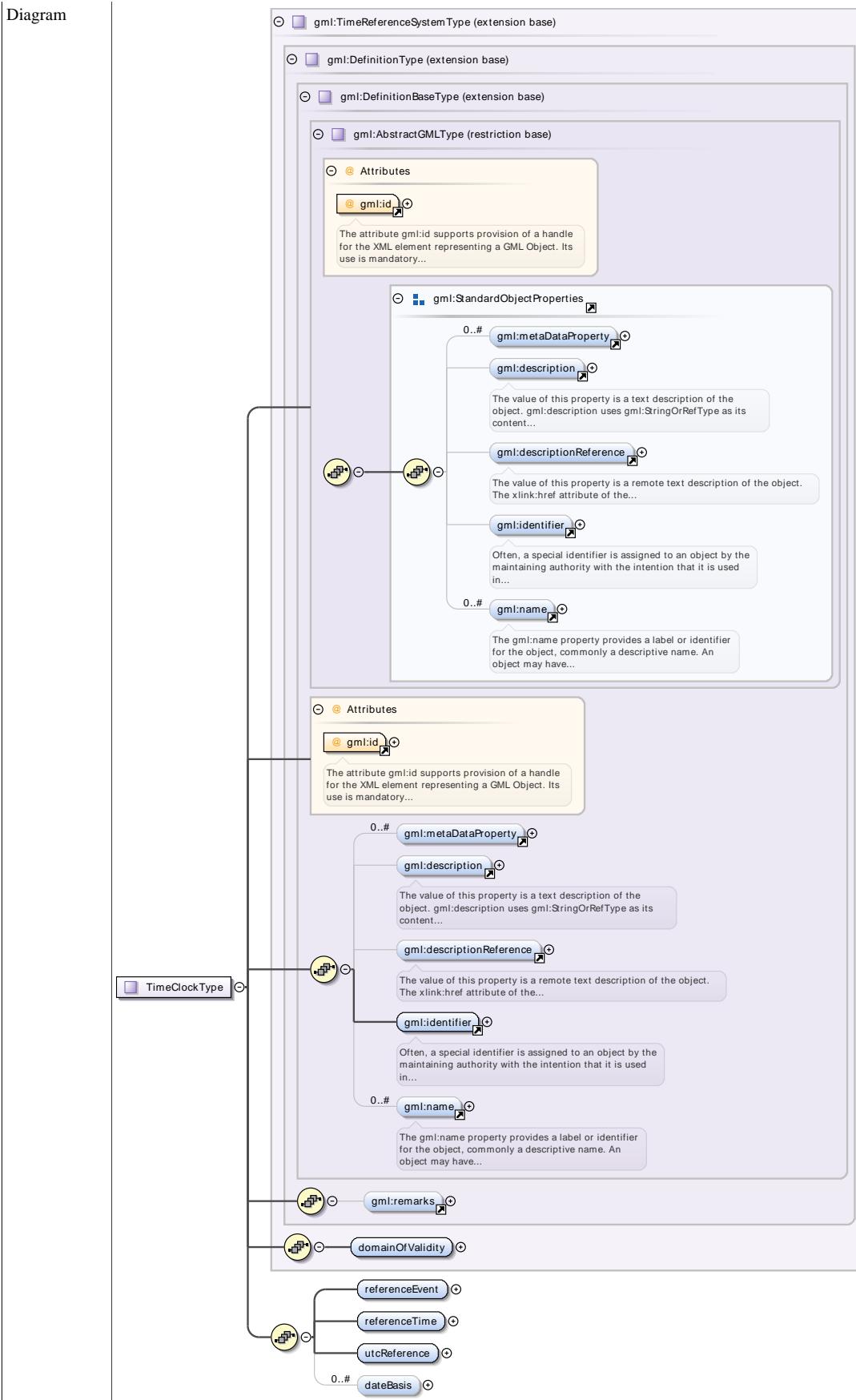
Complex Type `gml:TimeCalendarPropertyType`

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:TimeCalendarPropertyType provides for associating a gml:TimeCalendar with an object.				
Diagram	<p>gml:TimeCalendarPropertyType provides for associating a gml:TimeCalendar with an object.</p> <p>gml:OwnershipAttributeGroup</p> <p>gml:AssociationAttributeGroup</p> <p>gml:TimeCalendar</p>				
Attributes	QName	Type	Fixed	Default	Use
	<code>gml:remoteSchema</code>	anyURI			optional
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional
	<code>owns</code>	boolean		false	optional
	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional
	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional
	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional
	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
	<code>xlink:show</code>	<code>xlink:showType</code>			optional
	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional

Complex Type `gml:TimeClockType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of gml:TimeReferenceSystemType
------	------------------------------------------

Properties	final: extension, restriction
------------	-------------------------------

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

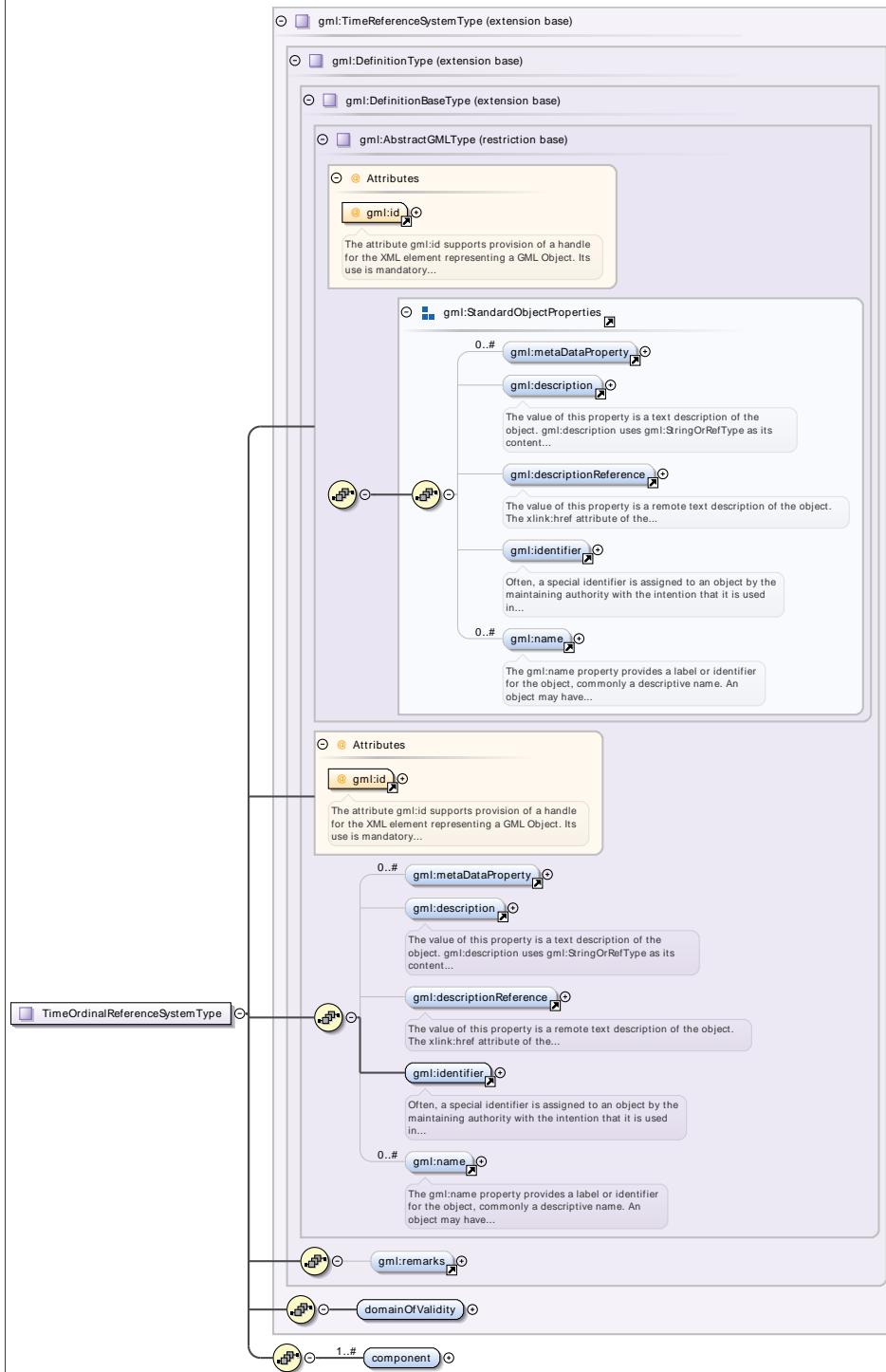
Complex Type **gml:TimeClockPropertyType**

Namespace	http://www.opengis.net/gml/3.2																																																												
Annotations	gml:TimeClockPropertyType provides for associating a gml:TimeClock with an object.																																																												
Diagram	<p>The diagram illustrates the structure of the gml:TimeClockPropertyType. It is a complex type that inherits from gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. It also has an association with the gml:TimeClock type. A callout box provides a detailed description of the purpose of this type: "gml:TimeClockPropertyType provides for associating a gml:TimeClock with an object." Another callout box describes the gml:TimeClock type: "A clock provides a basis for defining temporal position within a day. A clock shall be used with a calendar in order to...".</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>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>						QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																									
gml:remoteSchema	anyURI			optional																																																									
nilReason	gml:NilReasonType			optional																																																									
owns	boolean		false	optional																																																									
xlink:actuate	xlink:actuateType			optional																																																									
xlink:arcrole	xlink:arcroleType			optional																																																									
xlink:href	xlink:hrefType			optional																																																									
xlink:role	xlink:roleType			optional																																																									
xlink:show	xlink:showType			optional																																																									
xlink:title	xlink:titleAttrType			optional																																																									
xlink:type	xlink:typeType	simple		optional																																																									

Complex Type **gml:TimeOrdinalReferenceSystemType**

Namespace	http://www.opengis.net/gml/3.2					
-----------	--------------------------------	--	--	--	--	--

Diagram



Type extension of gm:TimeReferenceSystemType

Attributes	QName	Type	Use	
	gm:id	ID	required	
	The attribute gm:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type gm:TimeOrdinalEraPropertyType

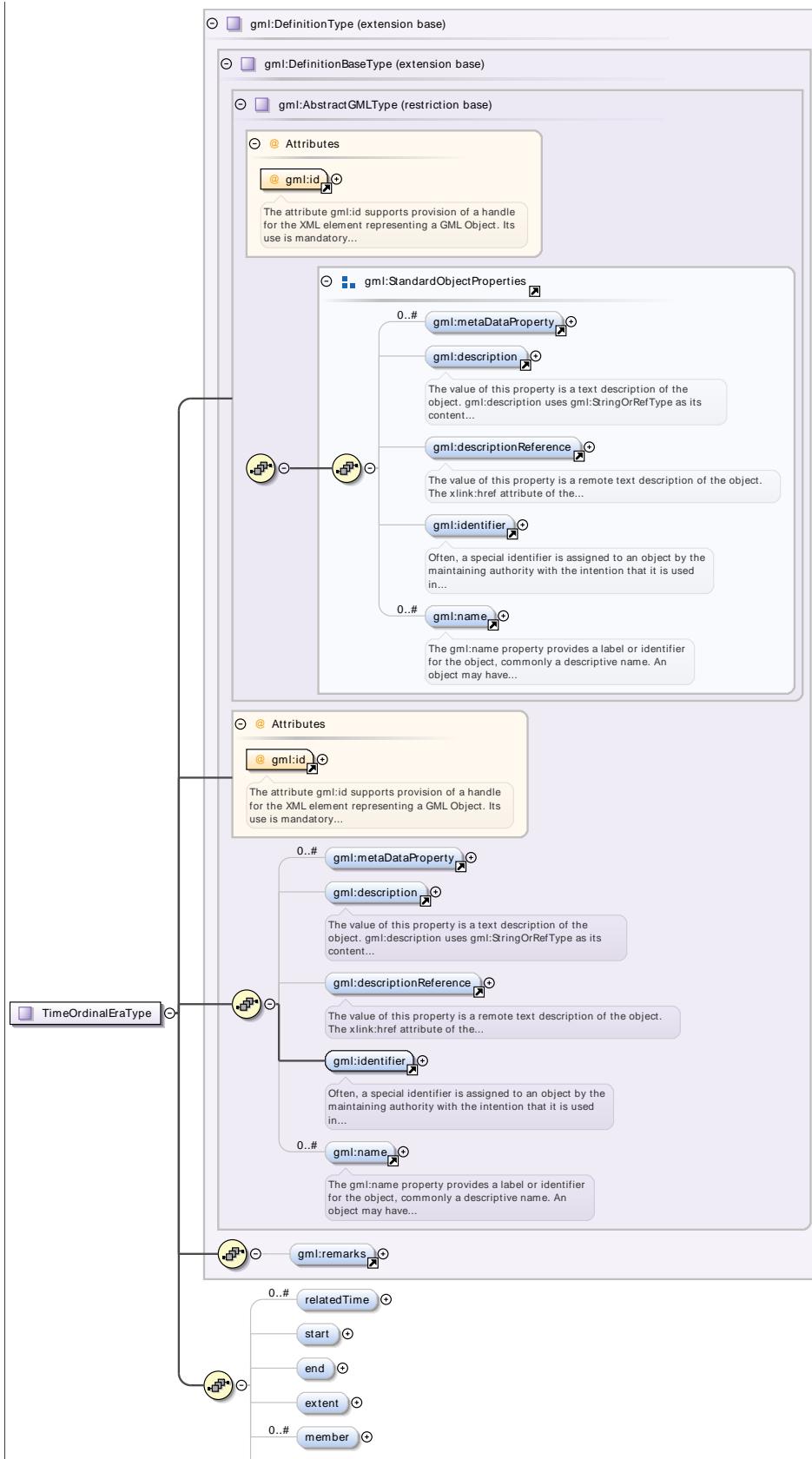
Namespace	http://www.opengis.net/gml/3.2
Annotations	gm:TimeOrdinalEraPropertyType provides for associating a gm:TimeOrdinalEra with an object.

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>gml:remoteSchema</td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type gml:TimeOrdinalEraType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:DefinitionType`

Attributes	QName	Type	Use	
	<code>gml:id</code>	ID	required	

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

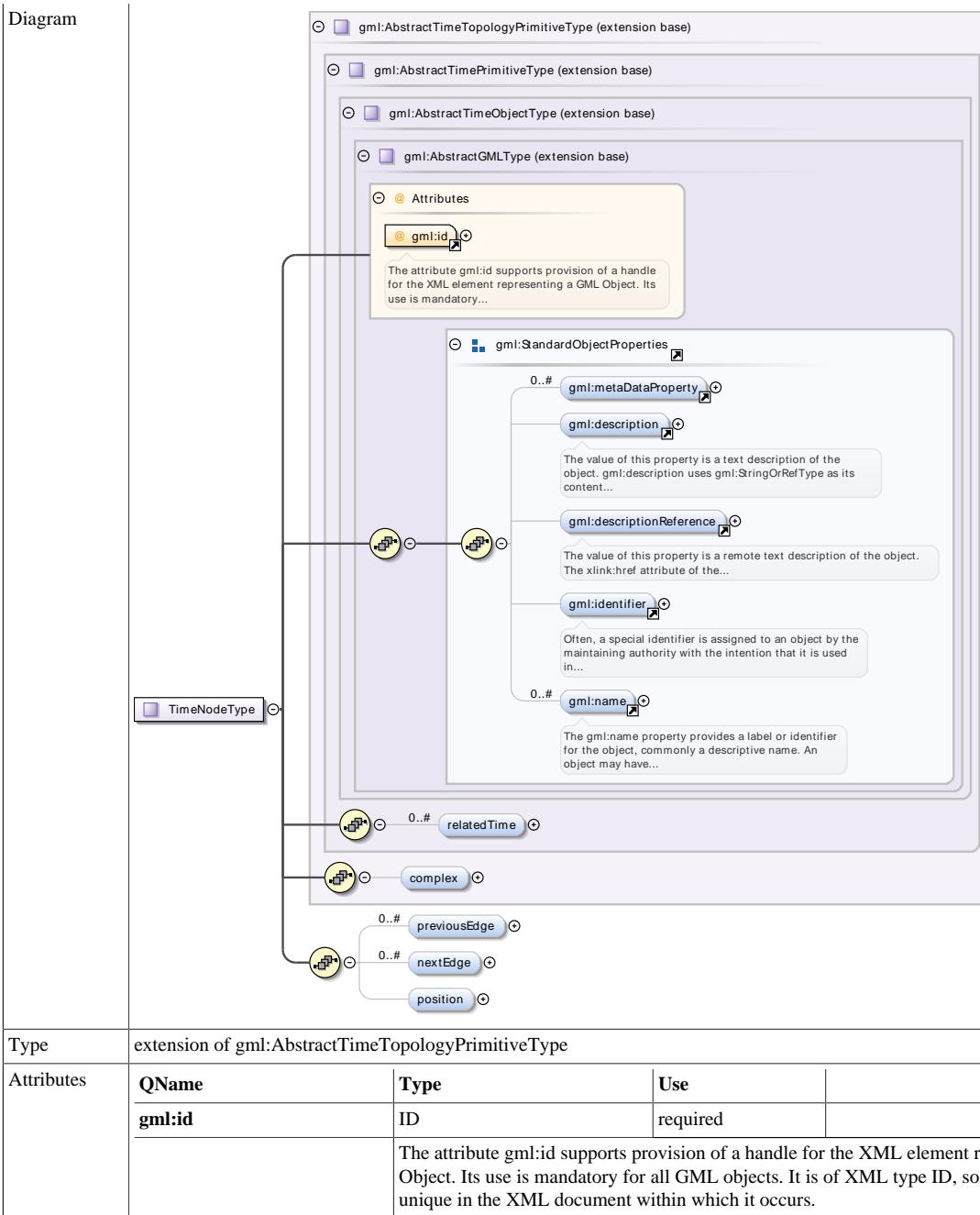
Complex Type **gml:TimeNodePropertyType**

Namespace	http://www.opengis.net/gml/3.2				
Annotations	gml:TimeNodePropertyType provides for associating a gml:TimeNode with an object				
Diagram	<p>The diagram illustrates the structure of the gml:TimeNodePropertyType complex type. It features a central box labeled 'TimeNodePropertyType' with a note: 'gml:TimeNodePropertyType provides for associating a gml:TimeNode with an object'. Two arrows point from this box to two other boxes: 'gml:AssociationAttributeGroup' and 'gml:OwnershipAttributeGroup'. A third arrow points from 'gml:AssociationAttributeGroup' to 'gml:TimeNode'. A callout box for 'gml:TimeNode' contains the text: 'A time node is a zero-dimensional topological primitive that represents an identifiable node in time (it is equivalent...)'.</p>				
Attributes	QName	Type	Fixed	Default	Use
	gml:remoteSchema	anyURI			optional
	nilReason	gml:NilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Complex Type **gml:TimeNodeType**

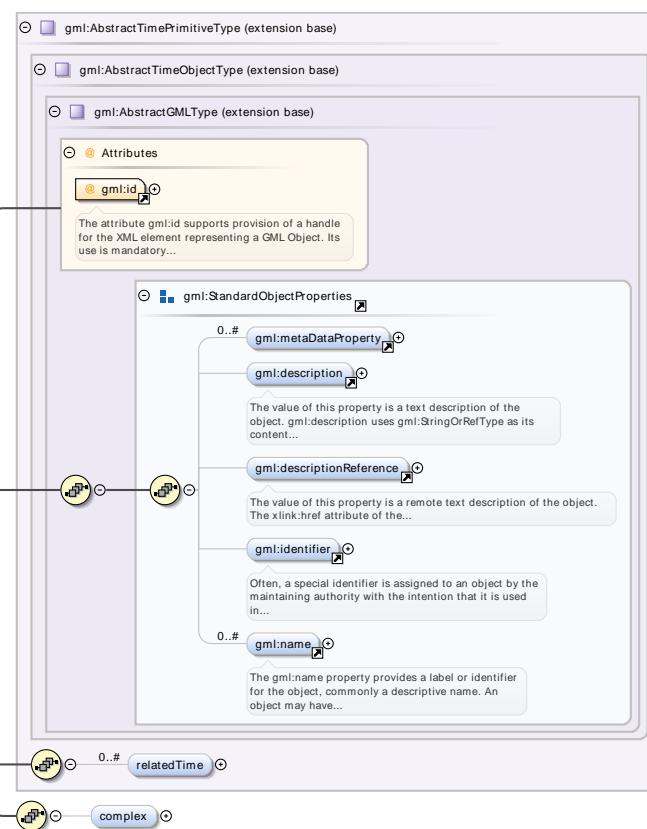
Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram

**Complex Type `gml:AbstractTimeTopologyPrimitiveType`**

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type extension of `gml:AbstractTimePrimitiveType`

Properties abstract: true

Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:TimeEdgePropertyType`

Namespace	http://www.opengis.net/gml/3.2					
Annotations	gml:TimeEdgePropertyType provides for associating a <code>gml:TimeEdge</code> with an object.					
Diagram	<p>Diagram illustrating the structure of the <code>TimeEdgePropertyType</code> complex type:</p> <ul style="list-style-type: none"> Inheritance: <code>TimeEdgePropertyType</code> (extension base) Attributes: <ul style="list-style-type: none"> <code>gml:AssociationAttributeGroup</code>: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group.... <code>gml:OwnershipAttributeGroup</code>: Encoding a GML property inline vs. by- reference shall not imply anything about the 'ownership' of the contained or... Associations: <ul style="list-style-type: none"> <code>gml:TimeEdge</code>: A time edge is a one- dimensional topological primitive. It is an open interval that starts and ends at a node. The edge... 					
Attributes	QName	Type	Fixed	Default	Use	
	<code>gml:remoteSchema</code>	anyURI			optional	
	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	
	<code>owns</code>	boolean		false	optional	

QName	Type	Fixed	Default	Use
xlink:actuate	xlink:actuateType			optional
xlink:arcrole	xlink:arcroleType			optional
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Complex Type **gml:TimeEdgeType**

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<p>The diagram illustrates the structure of the gml:TimeEdgeType complex type. It is an extension of gml:AbstractTimeTopologyPrimitiveType, which itself is an extension of gml:AbstractTimePrimitiveType, which is an extension of gml:AbstractTimeObjectType. The TimeEdgeType class has the following attributes:</p> <ul style="list-style-type: none"> @gml:id: A mandatory attribute that supports provision of a handle for the XML element representing a GML Object. Its use is mandatory. gml:metaDataProperty: A property of type gml:metaDataPropertyType (multiplicity 0..#). gml:description: A property of type gml:StringOrRefType (multiplicity 1). gml:descriptionReference: A property of type anyURI (multiplicity 1). gml:identifier: A property of type anyURI (multiplicity 1). gml:name: A property of type gml:NameType (multiplicity 0..#). <p>Associations from TimeEdgeType include:</p> <ul style="list-style-type: none"> relatedTime: A multiplicity 0..# association to gml:TimeType. complex: A multiplicity 1 association to gml:ComplexType. start: A multiplicity 1 association to gml:TimeType. end: A multiplicity 1 association to gml:TimeType. extent: A multiplicity 1 association to gml:TimeExtentType. 									
Type	extension of gml:AbstractTimeTopologyPrimitiveType									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
gml:id	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Complex Type **gml:TimeTopologyPrimitivePropertyType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	gml:TimeTopologyPrimitivePropertyType provides for associating a gml:AbstractTimeTopologyPrimitive with an object.																																																							
Diagram	<p>The diagram illustrates the inheritance of the TimeTopologyPrimitivePropertyType complex type. It is derived from the gml:AbstractTimeTopologyPrimitive type. The TimeTopologyPrimitivePropertyType type is annotated with the text: "gml:TimeTopologyPrimitivePropertyType provides for associating a gml:AbstractTimeTopologyPrimitive with an object." The gml:AbstractTimeTopologyPrimitive type is annotated with the text: "gml:TimeTopologyPrimitive acts as the head of a substitution group for topological temporal primitives. Temporal...".</p> <p>Attributes shown in the diagram:</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup gml:OwnershipAttributeGroup 																																																							
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:remoteSchema</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	gml:remoteSchema	anyURI			optional	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																				
gml:remoteSchema	anyURI			optional																																																				
nilReason	gml:NilReasonType			optional																																																				
owns	boolean		false	optional																																																				
xlink:actuate	xlink:actuateType			optional																																																				
xlink:arcrole	xlink:arcroleType			optional																																																				
xlink:href	xlink:hrefType			optional																																																				
xlink:role	xlink:roleType			optional																																																				
xlink:show	xlink:showType			optional																																																				
xlink:title	xlink:titleAttrType			optional																																																				
xlink:type	xlink:typeType	simple		optional																																																				

Complex Type **gml:TimeTopologyComplexType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the inheritance of the TimeTopologyComplexType complex type. It is derived from the gml:AbstractTimeComplexType type. The TimeTopologyComplexType type is annotated with the text: "TimeTopologyComplexType".</p> <p>Attributes shown in the diagram:</p> <ul style="list-style-type: none"> gml:id gml:metaDataProperty gml:description gml:descriptionReference gml:identifier gml:name
Type	extension of gml:AbstractTimeComplexType

Properties	abstract: true			
Attributes	QName gml:id	Type ID	Use required	
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type **gml:TimeTopologyComplexPropertyType**

Namespace	http://www.opengis.net/gml/3.2					
Annotations	gml:TimeTopologyComplexPropertyType provides for associating a gml:TimeTopologyComplex with an object.					
Diagram						
Attributes	QName gml:remoteSchema nilReason owns xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type anyURI gml:NilReasonType boolean xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed 	Default false	Use optional optional optional optional optional optional optional optional optional optional optional	

Complex Type **gml:OperationPropertyType**

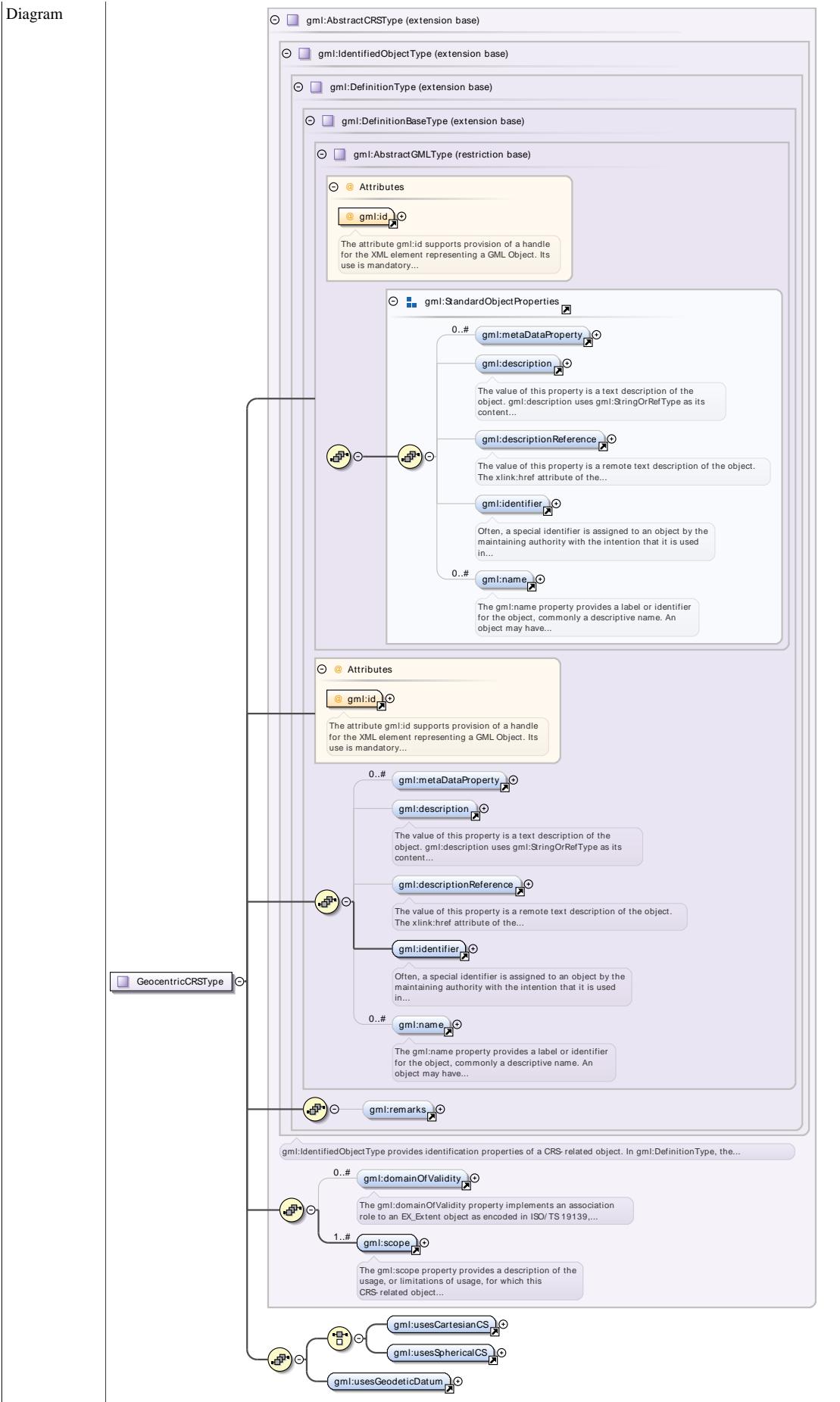
Namespace	http://www.opengis.net/gml/3.2					
Diagram						
Attributes	QName gml:remoteSchema nilReason xlink:actuate xlink:arcrole xlink:href	Type anyURI gml:NilReasonType xlink:actuateType xlink:arcroleType xlink:hrefType	Fixed 	Use optional optional optional optional optional		

QName	Type	Fixed	Use	
xlink:role	xlink:roleType		optional	
xlink:show	xlink:showType		optional	
xlink:title	xlink:titleAttrType		optional	
xlink:type	xlink:typeType	simple	optional	

Complex Type `gml:GeocentricCRSType`

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type	extension of <code>gml:AbstractCRSType</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

Complex Type `gml:GeocentricCRSPROPERTYType`

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Attributes	QName <code>gml:remoteSchema</code> <code>nilReason</code> <code>xlink:actuate</code> <code>xlink:arcrole</code> <code>xlink:href</code> <code>xlink:role</code> <code>xlink:show</code> <code>xlink:title</code> <code>xlink:type</code>	Type anyURI <code>gml:NilReasonType</code> <code>xlink:actuateType</code> <code>xlink:arcroleType</code> <code>xlink:hrefType</code> <code>xlink:roleType</code> <code>xlink:showType</code> <code>xlink:titleAttrType</code> <code>xlink:typeType</code>	Fixed simple	Use optional optional optional optional optional optional optional optional optional

Complex Type `gml:AngleChoiceType`

Namespace	http://www.opengis.net/gml/3.2			
Diagram				

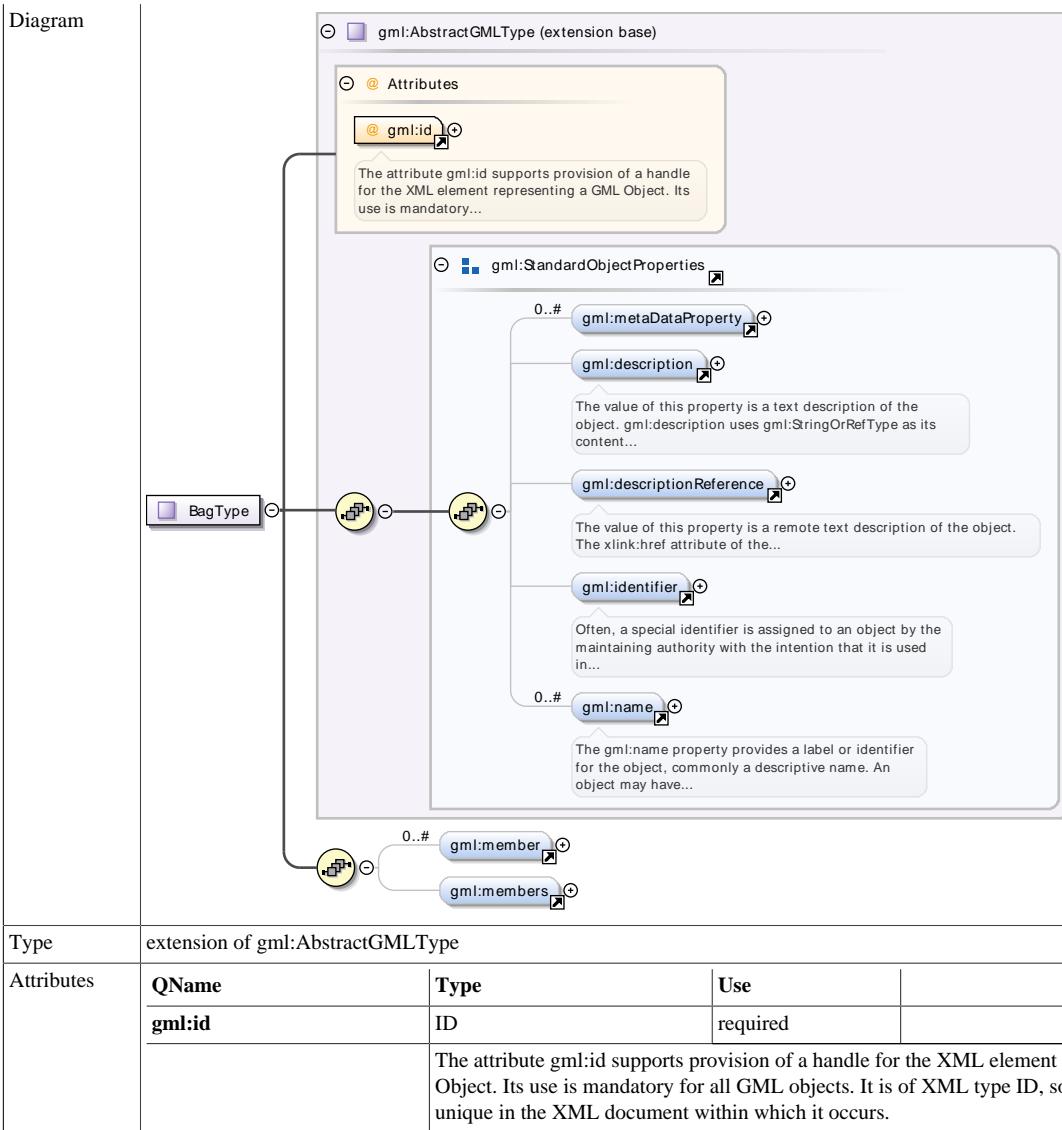
Complex Type `gml:ArrayAssociationType`

Namespace	http://www.opengis.net/gml/3.2			
Diagram				
Attributes	QName <code>owns</code>	Type boolean	Default false	Use optional

Complex Type `gml:BagType`

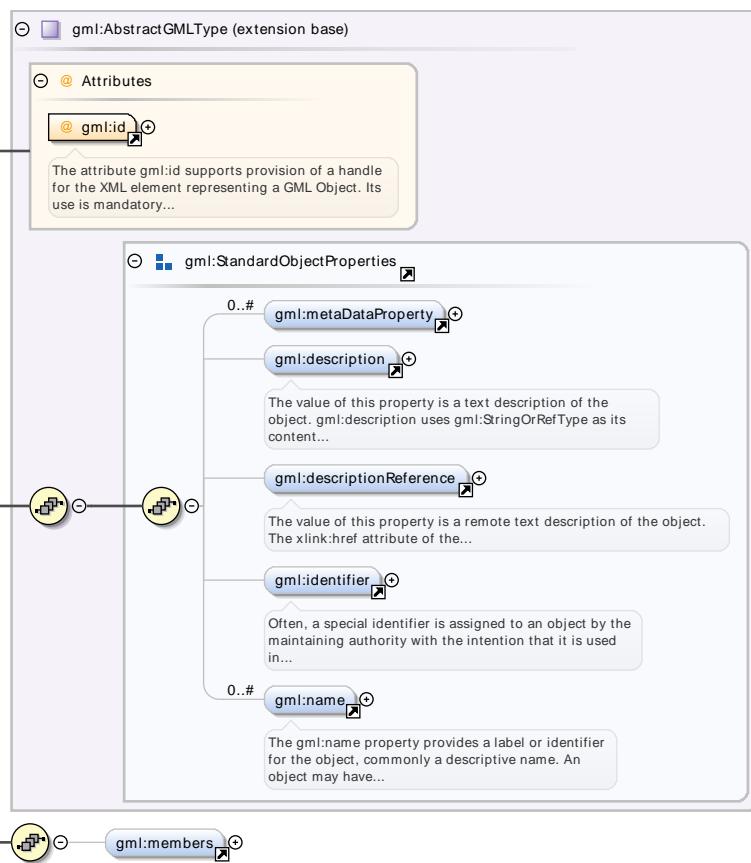
Namespace	http://www.opengis.net/gml/3.2			
-----------	-----------------------------------------------------------------------------	--	--	--

Diagram

**Complex Type `gml:ArrayType`**

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type

extension of `gml:AbstractGMLType`

Attributes

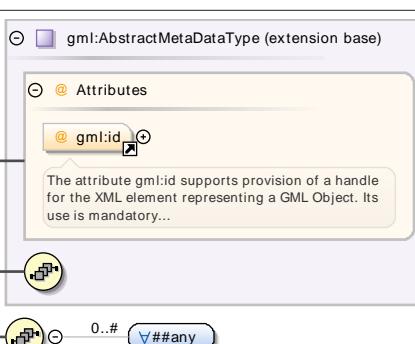
QName	Type	Use	
<code>gml:id</code>	ID	required	
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type `gml:GenericMetaDataType`

Namespace

<http://www.opengis.net/gml/3.2>

Diagram



Type

extension of `gml:AbstractMetaDataType`

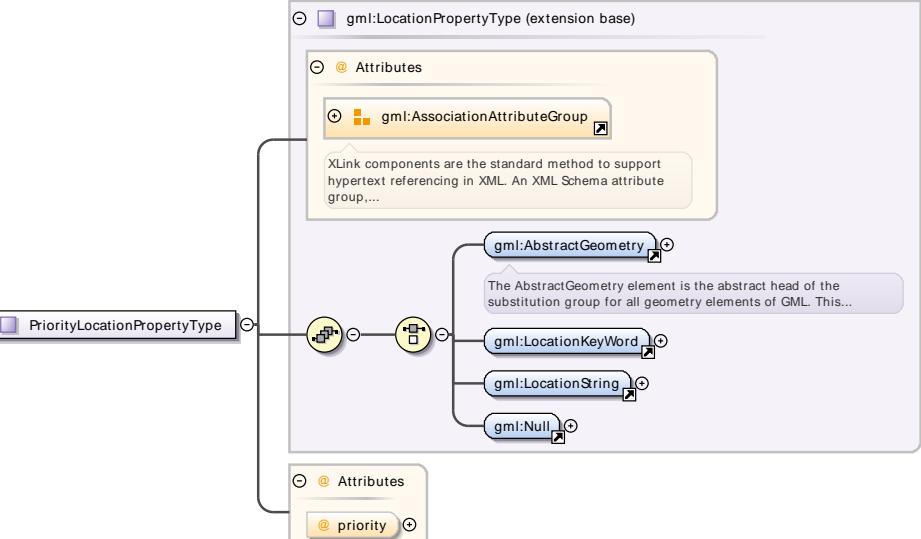
Properties

mixed: true

Attributes

QName	Type	Use	
<code>gml:id</code>	ID	optional	
The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.			

Complex Type **gml:PriorityLocationPropertyType**

Namespace	http://www.opengis.net/gml/3.2																																												
Diagram	 <p>gml:LocationPropertyType (extension base)</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:AssociationAttributeGroup <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p> <p>gml:AbstractGeometry</p> <p>The AbstractGeometry element is the abstract head of the substitution group for all geometry elements of GML. This...</p> <p>gml:LocationKeyWord</p> <p>gml:LocationString</p> <p>gml:Null</p> <p>Attributes</p> <ul style="list-style-type: none"> @ priority 																																												
Type	extension of gml:LocationPropertyType																																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>priority</td> <td>string</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	priority	string		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																										
gml:remoteSchema	anyURI		optional																																										
nilReason	gml:NilReasonType		optional																																										
priority	string		optional																																										
xlink:actuate	xlink:actuateType		optional																																										
xlink:arcrole	xlink:arcroleType		optional																																										
xlink:href	xlink:hrefType		optional																																										
xlink:role	xlink:roleType		optional																																										
xlink:show	xlink:showType		optional																																										
xlink:title	xlink:titleAttrType		optional																																										
xlink:type	xlink:typeType	simple	optional																																										

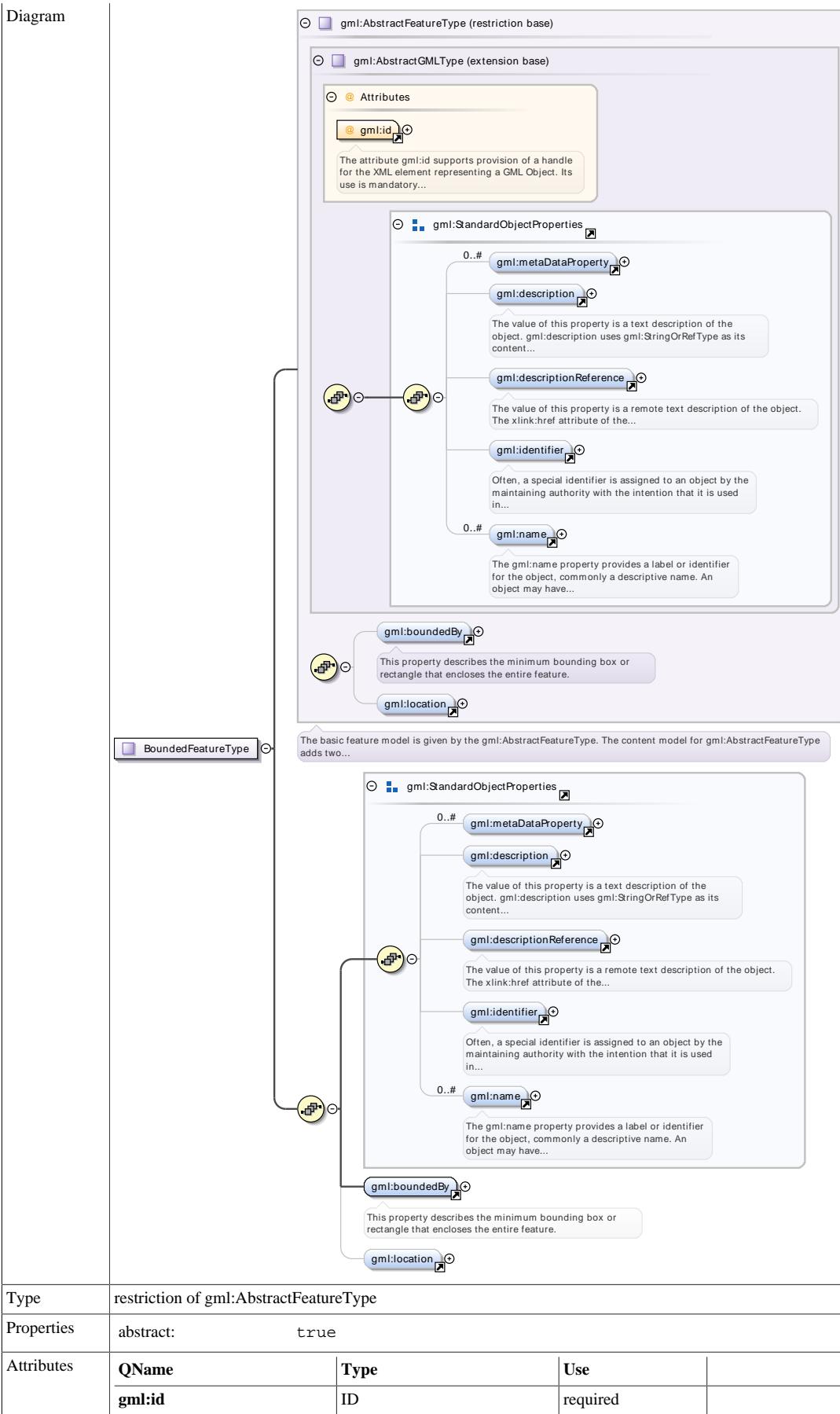
Complex Type **gml:FeatureArrayPropertyType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>gml:AbstractFeature</p> <p>This abstract element serves as the head of a substitution group which may contain any elements whose content model is...</p>

Complex Type **gml:BoundedFeatureType**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

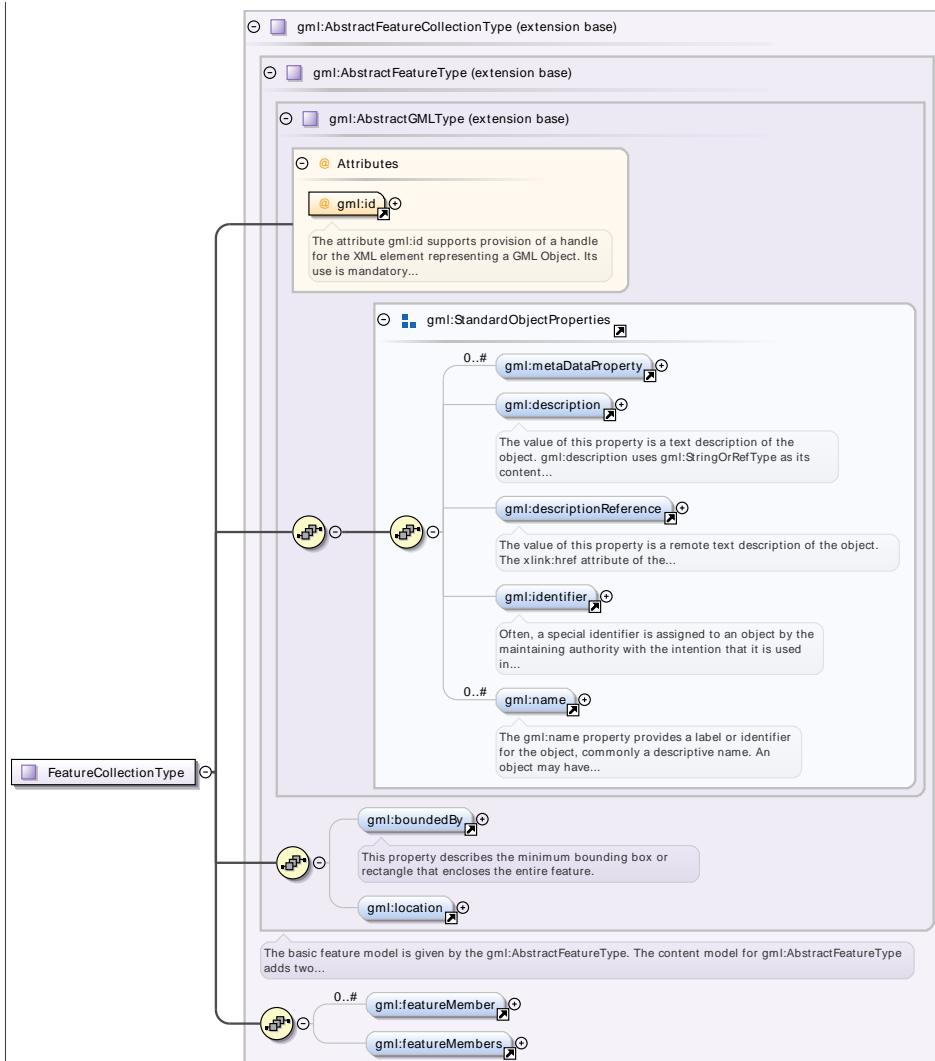
Complex Type gml:AbstractFeatureCollectionType

Namespace	http://www.opengis.net/gml/3.2									
Diagram	<pre> classDiagram class gml:AbstractFeatureType { <<extension base>> } class gml:AbstractGMLType { <<extension base>> } class gml:StandardObjectProperties { <<Attributes>> gml:id gml:metaDataProperty gml:description gml:descriptionReference gml:identifier gml:name } class gml:AbstractFeatureCollectionType { <<extension of gml:AbstractFeatureType>> gml:boundedBy gml:featureMember } gml:AbstractFeatureType < -- gml:AbstractGMLType gml:AbstractGMLType < -- gml:StandardObjectProperties gml:StandardObjectProperties < -- gml:AbstractFeatureCollectionType </pre>									
Type	extension of gml:AbstractFeatureType									
Properties	abstract: true									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> <td></td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
gml:id	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

Complex Type gml:FeatureCollectionType

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram



Type extension of `gml:AbstractFeatureCollectionType`

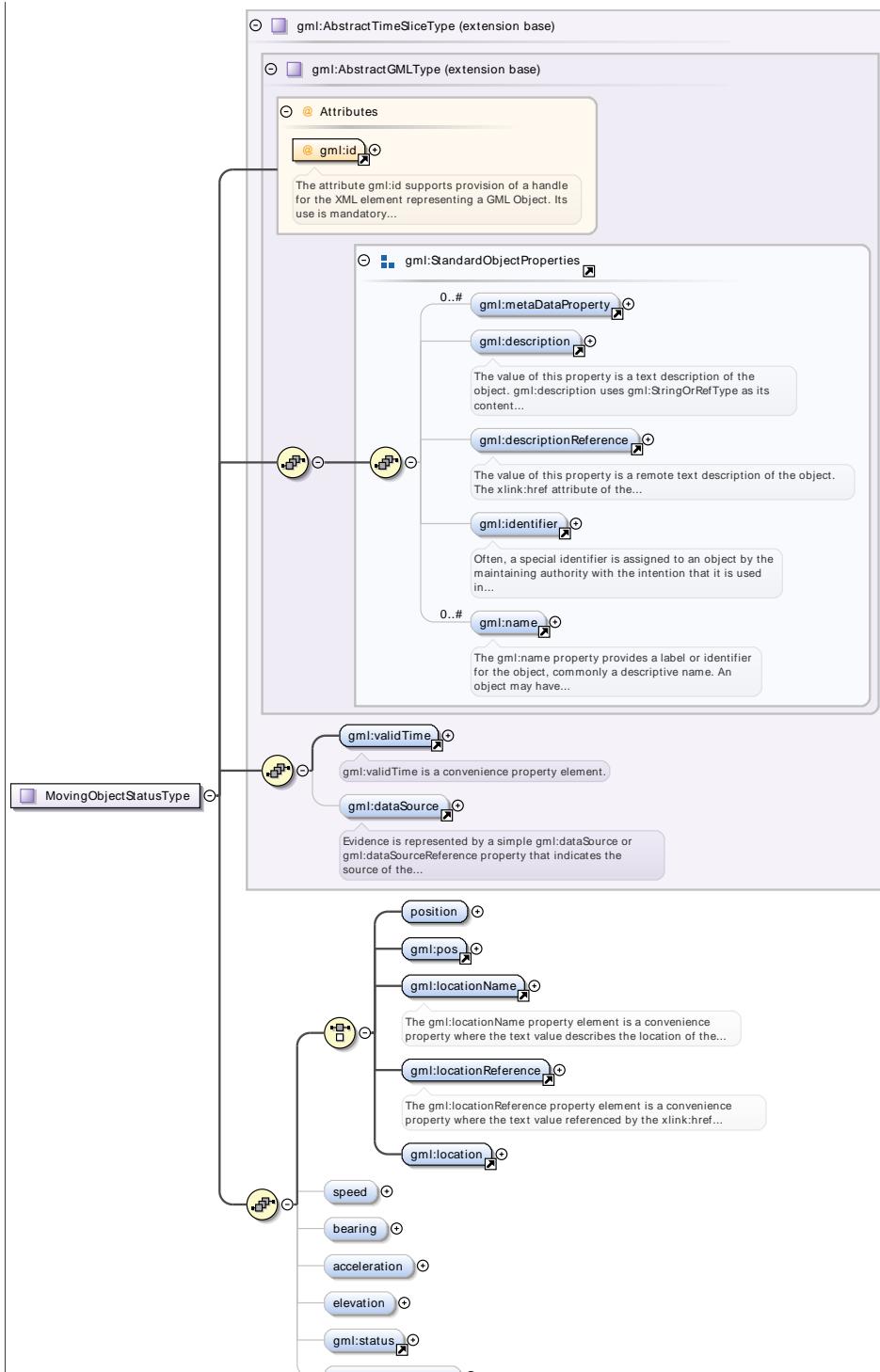
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Complex Type `gml:MovingObjectStatusType`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Diagram



Type	extension of <code>gml:AbstractTimeSliceType</code>
------	-----------------------------------------------------

Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required

The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Simple Type(s)**Simple Type `gml:NilReasonType`**

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Annotations	gml:NilReasonType defines a content model that allows recording of an explanation for a void value or other exception. gml:NilReasonType is a union of the following enumerated values: - inapplicable there is no value - missing the correct value is not readily available to the sender of this data. Furthermore, a correct value may not exist - template the value will be available later - unknown the correct value is not known to, and not computable by, the sender of this data. However, a correct value probably exists - withheld the value is not divulged - other:text other brief explanation, where text is a string of two or more characters with no included spaces and - anyURI which should refer to a resource which describes the reason for the exception A particular community may choose to assign more detailed semantics to the standard values provided. Alternatively, the URI method enables a specific or more complete explanation for the absence of a value to be provided elsewhere and indicated by-reference in an instance document. gml:NilReasonType is used as a member of a union in a number of simple content types where it is necessary to permit a value from the NilReasonType union as an alternative to the primary type.
Diagram	<pre> classDiagram class gml NilReasonType class gml NilReasonEnumeration class anyURI gml NilReasonType "0..1" -- "1..1" gml NilReasonEnumeration gml NilReasonType "0..1" -- "1..1" anyURI </pre> <p>gml:NilReasonType defines a content model that allows recording of an explanation for a void value or other exception....</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	union of(gml:NilReasonEnumeration, anyURI)

Simple Type gml:NCNameList

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<pre> classDiagram class NCNameList class NCName NCNameList "0..1" -- "1..1" NCName </pre> <p>A type for a list of values of the respective simple type.</p> <p>Built-in derived type. NCName represents XML "non- colonized" Names. The base type of NCName is Name.</p>
Type	list of NCName

Simple Type gml:doubleList

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<pre> classDiagram class doubleList class double doubleList "0..1" -- "1..1" double </pre> <p>A type for a list of values of the respective simple type.</p> <p>Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]</p>
Type	list of double

Simple Type gml:TimePositionUnion

Namespace	http://www.opengis.net/gml/3.2
Annotations	The simple type gml:TimePositionUnion is a union of XML Schema simple types which instantiate the subtypes for temporal position described in ISO 19108. An ordinal era may be referenced via URI. A decimal value may be used to indicate the distance from the scale origin . time is used for a position that recurs daily (see ISO 19108:2002 5.4.4.2). Finally, calendar and clock forms that support the representation of time in systems based on years, months, days, hours, minutes and seconds, in a notation following ISO 8601, are assembled by gml:CalDate
Diagram	<pre> classDiagram class gml CalDate class time class dateTime class anyURI class decimal TimePositionUnion "0..1" -- "1..1" gml CalDate TimePositionUnion "0..1" -- "1..1" time TimePositionUnion "0..1" -- "1..1" dateTime TimePositionUnion "0..1" -- "1..1" anyURI TimePositionUnion "0..1" -- "1..1" decimal class gml NilReasonType class gml NilReasonEnumeration class anyURI gml NilReasonType "0..1" -- "1..1" gml NilReasonEnumeration gml NilReasonType "0..1" -- "1..1" anyURI </pre> <p>The simple type gml:TimePositionUnion is a union of XML Schema simple types which instantiate the subtypes for temporal...</p> <p>Built-in primitive type. The time datatype represents an instant of time that recurs every day.</p> <p>Built-in primitive type. The dateTime datatype represents a specific instant of time.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>

Type	union of(gml:CalDate, time, dateTime, anyURI, decimal)
------	--------------------------------------------------------

Simple Type gml:TimeIndeterminateValueType

Namespace	http://www.opengis.net/gml/3.2
Annotations	These values are interpreted as follows: - "unknown" indicates that no specific value for temporal position is provided. - "now" indicates that the specified value shall be replaced with the current temporal position whenever the value is accessed. - "before" indicates that the actual temporal position is unknown, but it is known to be before the specified value. - "after" indicates that the actual temporal position is unknown, but it is known to be after the specified value. A value for indeterminatePosition may - be used either alone, or - qualify a specific value for temporal position.
Diagram	<p>These values are interpreted as follows: - "unknown" indicates that no specific value for temporal position is...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type gml:AggregationType

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string
Properties	final: restriction, list, union

Simple Type gml:SignType

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:SignType is a convenience type with values "+" (plus) and "-" (minus).
Diagram	<p>gml:SignType is a convenience type with values "+" (plus) and "-" (minus).</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type gml:CurveInterpolationType

Namespace	http://www.opengis.net/gml/3.2
Annotations	gml:CurveInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an application schema.
Diagram	<p>gml:CurveInterpolationType is a list of codes that may be used to identify the interpolation mechanisms specified by an...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type gml:UomIdentifier

Namespace	http://www.opengis.net/gml/3.2
Annotations	The simple type gml:UomIdentifier defines the syntax and value space of the unit of measure identifier.
Diagram	<p>The simple type gml:UomIdentifier defines the syntax and value space of the unit of measure identifier.</p> <p>This type specifies a character string of length at least one, and restricted such that it must not contain any of the...</p> <p>This type specifies a URI, restricted such that it must start with one of the following sequences: "#", "/", "../", or...</p>
Type	union of(gml:UomSymbol, gml:UomURI)

Simple Type `gml:KnotTypesType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	This enumeration type specifies values for the knots' type (see ISO 19107:2003, 6.4.25).
Diagram	
Type	restriction of string

Simple Type `gml:SurfaceInterpolationType`

Namespace	http://www.opengis.net/gml/3.2
Annotations	<code>gml:SurfaceInterpolationType</code> is a list of codes that may be used to identify the interpolation mechanisms specified by an application schema.
Diagram	
Type	restriction of string

Simple Type `gml:NilReasonEnumeration`

Namespace	http://www.opengis.net/gml/3.2
Diagram	
Type	union of(restriction of string, restriction of string)

Simple Type `gml:booleanOrNilReason`

Namespace	http://www.opengis.net/gml/3.2
Annotations	Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple type or a reason for a nil value.
Diagram	
Type	union of(gml:NilReasonEnumeration, boolean, anyURI)

Simple Type `gml:doubleOrNilReason`

Namespace	http://www.opengis.net/gml/3.2
Annotations	Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple type or a reason for a nil value.
Diagram	

Type	union of(gml:NilReasonEnumeration, double, anyURI)
------	----------------------------------------------------

Simple Type gml:integerOrNilReason

Namespace	http://www.opengis.net/gml/3.2
Annotations	Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple type or a reason for a nil value.
Diagram	<p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	union of(gml:NilReasonEnumeration, integer, anyURI)

Simple Type gml:NameOrNilReason

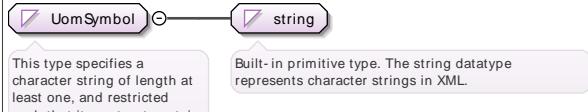
Namespace	http://www.opengis.net/gml/3.2
Annotations	Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple type or a reason for a nil value.
Diagram	<p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p> <p>Built-in derived type. Name represents XML Names. The base type of Name is token.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	union of(gml:NilReasonEnumeration, Name, anyURI)

Simple Type gml:stringOrNilReason

Namespace	http://www.opengis.net/gml/3.2
Annotations	Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple type or a reason for a nil value.
Diagram	<p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	union of(gml:NilReasonEnumeration, string, anyURI)

Simple Type gml:UomSymbol

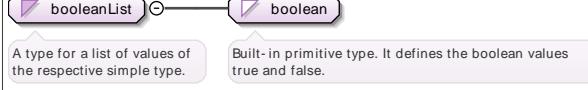
Namespace	http://www.opengis.net/gml/3.2
Annotations	This type specifies a character string of length at least one, and restricted such that it must not contain any of the following characters: ":" (colon), " " (space), (newline), (carriage return), (tab). This allows values corresponding to familiar abbreviations, such as "kg", "m/s", etc. It is recommended that the symbol be an identifier for a unit of measure as specified in the "Unified Code of Units of Measure" (UCUM) (http://aurora.regenstrief.org/UCUM). This provides a set of symbols and a grammar for constructing identifiers for units of measure that are unique, and may be easily entered with a keyboard supporting the limited character set known as 7-bit ASCII. ISO 2955 formerly provided a specification with this scope, but was withdrawn in 2001. UCUM largely follows ISO 2955 with modifications to remove ambiguities and other problems.

Diagram	
Type	restriction of string

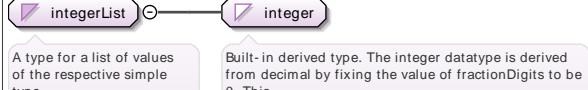
Simple Type `gml:UomURI`

Namespace	http://www.opengis.net/gml/3.2
Annotations	This type specifies a URI, restricted such that it must start with one of the following sequences: "#", "./", "../", or a string of characters followed by a ":". These patterns ensure that the most common URI forms are supported, including absolute and relative URIs and URIs that are simple fragment identifiers, but prohibits certain forms of relative URI that could be mistaken for unit of measure symbol . NOTE It is possible to re-write such a relative URI to conform to the restriction (e.g. "./m/s"). In an instance document, on elements of type <code>gml:MeasureType</code> the mandatory uom attribute shall carry a value corresponding to either - a conventional unit of measure symbol, - a link to a definition of a unit of measure that does not have a conventional symbol, or when it is desired to indicate a precise or variant definition.
Diagram	
Type	restriction of anyURI

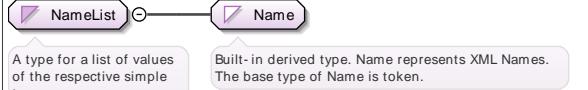
Simple Type `gml:booleanList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	
Type	list of boolean

Simple Type `gml:integerList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	
Type	list of integer

Simple Type `gml:NameList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	
Type	list of Name

Simple Type `gml:QNameList`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Annotations	A type for a list of values of the respective simple type.
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Built-in primitive type. QName represents XML qualified names.</p>
Type	list of QName

Simple Type **gml:booleanOrNilReasonList**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p>
Type	list of gml:booleanOrNilReason

Simple Type **gml:NameOrNilReasonList**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p>
Type	list of gml:NameOrNilReason

Simple Type **gml:doubleOrNilReasonList**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p>
Type	list of gml:doubleOrNilReason

Simple Type **gml:integerOrNilReasonList**

Namespace	http://www.opengis.net/gml/3.2
Annotations	A type for a list of values of the respective simple type.
Diagram	<p>A type for a list of values of the respective simple type.</p> <p>Extension to the respective XML Schema built-in simple type to allow a choice of either a value of the built-in simple...</p>
Type	list of gml:integerOrNilReason

Simple Type **gml:TimeUnitType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>TimeUnitType</p> <p>restricts: string</p> <p>restricts: string</p>
Type	union of(restriction of string, restriction of string)

Simple Type **gml:CalDate**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Diagram	<pre> classDiagram date < -- CalDate date < -- gYearMonth date < -- gYear </pre> <p>Built-in primitive type. The date datatype represents a calendar date.</p> <p>Built-in primitive type. The gYearMonth datatype represents a specific gregorian month in a specific gregorian year.</p> <p>Built-in primitive type. The gYear datatype represents a gregorian calendar year.</p>
Type	union of(date, gYearMonth, gYear)

Simple Type `gml:CompassPointEnumeration`

Namespace	http://www.opengis.net/gml/3.2
Annotations	These directions are necessarily approximate, giving direction with a precision of 22.5°. It is thus generally unnecessary to specify the reference frame, though this may be detailed in the definition of a GML application language.
Diagram	<pre> classDiagram string < -- CompassPointEnumeration </pre> <p>These directions are necessarily approximate, giving direction with a precision of 22.5°. It is thus generally unnecessary to specify the reference frame, though this may be detailed in the definition of a GML application language.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type `gml:SequenceRuleEnumeration`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram string < -- SequenceRuleEnumeration </pre> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type `gml:IncrementOrder`

Namespace	http://www.opengis.net/gml/3.2
Diagram	<pre> classDiagram string < -- IncrementOrder </pre> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Simple Type `gml:AxisDirectionList`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The different values in a <code>gml:AxisDirectionList</code> indicate the incrementation order to be used on all axes of the grid. Each axis shall be mentioned once and only once.
Diagram	<pre> classDiagram gml:AxisDirection < -- AxisDirectionList </pre> <p>The different values in a <code>gml:AxisDirectionList</code> indicate the incrementation order to be used on all axes of the grid....</p> <p>The value of a <code>gml:AxisDirection</code> indicates the incrementation order to be used on an axis of the grid.</p>
Type	list of <code>gml:AxisDirection</code>

Simple Type `gml:AxisDirection`

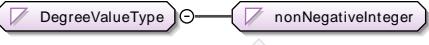
Namespace	http://www.opengis.net/gml/3.2
Annotations	The value of a <code>gml:AxisDirection</code> indicates the incrementation order to be used on an axis of the grid.
Diagram	<pre> classDiagram string < -- AxisDirection </pre> <p>The value of a <code>gml:AxisDirection</code> indicates the incrementation order to be used on an axis of the grid.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	restriction of string
------	-----------------------

Simple Type **gml:CountExtentType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>A type for a list of values of the respective simple type.</p>
Type	restriction of gml:integerOrNilReasonList

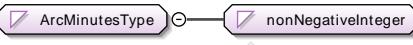
Simple Type **gml:DegreeValueType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in derived type. The nonNegativeInteger datatype is derived from integer by setting the value of minInclusive to...</p>
Type	restriction of nonNegativeInteger

Simple Type **gml:DecimalMinutesType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>
Type	restriction of decimal

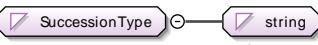
Simple Type **gml:ArcMinutesType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in derived type. The nonNegativeInteger datatype is derived from integer by setting the value of minInclusive to...</p>
Type	restriction of nonNegativeInteger

Simple Type **gml:ArcSecondsType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>
Type	restriction of decimal

Simple Type **gml:SuccessionType**

Namespace	http://www.opengis.net/gml/3.2
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of string

Attribute(s)

Attribute **@gml:id**

Namespace	http://www.opengis.net/gml/3.2
-----------	--------------------------------

Annotations	The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
Type	ID
Properties	content: simple

Attribute @gml:remoteSchema

Namespace	http://www.opengis.net/gml/3.2
Type	anyURI
Properties	content: simple

Attribute @gml:uom

Namespace	http://www.opengis.net/gml/3.2
Type	anyURI
Properties	content: simple

Element Group(s)

Element Group gml:standardObjectProperties

Namespace	http://www.opengis.net/gml/3.2
Diagram	<p>The diagram illustrates the <code>gml:standardObjectProperties</code> element group. It consists of a central box labeled <code>StandardObjectProperties</code> connected to four other boxes: <code>gml:metaDataProperty</code>, <code>gml:description</code>, <code>gml:descriptionReference</code>, and <code>gml:identifier</code>. Each of these four boxes has a callout box providing a detailed description of its purpose:</p> <ul style="list-style-type: none"> <code>gml:metaDataProperty</code>: The value of this property is a text description of the object. <code>gml:description</code> uses <code>gml:StringOrRefType</code> as its content... <code>gml:descriptionReference</code>: The value of this property is a remote text description of the object. The <code>xlink:href</code> attribute of the... <code>gml:identifier</code>: Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in... <code>gml:name</code>: The <code>gml:name</code> property provides a label or identifier for the object, commonly a descriptive name. An object may have...

Element Group gml:dynamicProperties

Namespace	http://www.opengis.net/gml/3.2
Annotations	A convenience group. This allows an application schema developer to include dynamic properties in a content model in a standard fashion.
Diagram	<p>The diagram illustrates the <code>gml:dynamicProperties</code> element group. It consists of a central box labeled <code>dynamicProperties</code> connected to four other boxes: <code>gml:validTime</code>, <code>gml:history</code>, <code>gml:dataSource</code>, and <code>gml:dataSourceReference</code>. Each of these four boxes has a callout box providing a detailed description of its purpose:</p> <ul style="list-style-type: none"> <code>gml:validTime</code>: <code>gml:validTime</code> is a convenience property element. <code>gml:history</code>: A generic sequence of events constitute a <code>gml:history</code> of an object. The <code>gml:history</code> element contains a set of elements... <code>gml:dataSource</code>: Evidence is represented by a simple <code>gml:dataSource</code> or <code>gml:dataSourceReference</code> property that indicates the source of the... <code>gml:dataSourceReference</code>: Evidence is represented by a simple <code>gml:dataSource</code> or <code>gml:dataSourceReference</code> property that indicates the source of the...

Element Group `gml:geometricPositionGroup`

Namespace	http://www.opengis.net/gml/3.2
Annotations	GML supports two different ways to specify a geometric position: either by a direct position (a data type) or a point (a geometric object). pos elements are positions that are "owned" by the geometric primitive encapsulating this geometric position. pointProperty elements contain a point that may be referenced from other geometry elements or reference another point defined elsewhere (reuse of existing points).
Diagram	

Element Group `gml:PointGrid`

Namespace	http://www.opengis.net/gml/3.2
Annotations	A gml:PointGrid group contains or references points or positions which are organised into sequences or grids. All rows shall have the same number of positions (columns).
Diagram	

Element Group `gml:geometricPositionListGroup`

Namespace	http://www.opengis.net/gml/3.2
Annotations	GML supports two different ways to specify a list of geometric positions: either by a sequence of geometric positions (by reusing the group definition) or a sequence of direct positions (element posList). The posList element allows for a compact way to specify the coordinates of the positions, if all positions are represented in the same coordinate reference system.
Diagram	

Element Group `gml:timeLength`

Namespace	http://www.opengis.net/gml/3.2
Annotations	The length of a time period.
Diagram	

Element Group `gml:value`

Namespace	http://www.opengis.net/gml/3.2
-----------	-----------------------------------------------------------------------------

Annotations	This is a convenience choice group which unifies generic values defined in this Clause with spatial and temporal objects and the measures described above, so that any of these may be used within aggregate values.
Diagram	<p>This is a convenience choice group which unifies generic values defined in this Clause with spatial and temporal...</p> <p>gml:AbstractValue is an abstract element which acts as the head of a substitution group which contains...</p> <p>The AbstractGeometry element is the abstract head of the substitution group for all geometry elements of GML. This...</p> <p>gml:AbstractTimeObject acts as the head of a substitution group for all temporal primitives and complexes.</p> <p>gml:Null</p>

Attribute Group(s)

Attribute Group **gml:AssociationAttributeGroup**

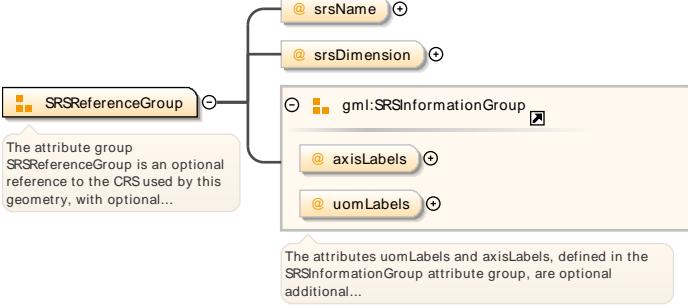
Namespace	http://www.opengis.net/gml/3.2																																								
Annotations	XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group, gml:AssociationAttributeGroup , is provided to support the use of Xlinks as the method for indicating the value of a property by reference in a uniform manner in GML.																																								
Diagram	<p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....</p> <p>xlink:simpleAttrs</p> <p>@ xlink:type</p> <p>@ xlink:href</p> <p>@ xlink:role</p> <p>@ xlink:arcrole</p> <p>@ xlink:title</p> <p>@ xlink:show</p> <p>@ xlink:actuate</p> <p>@ nilReason</p> <p>@ gml:remoteSchema</p>																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:remoteSchema</td> <td>anyURI</td> <td></td> <td>optional</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	gml:remoteSchema	anyURI		optional	nilReason	gml:NilReasonType		optional	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:href	xlink:hrefType		optional	xlink:role	xlink:roleType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	simple	optional
QName	Type	Fixed	Use																																						
gml:remoteSchema	anyURI		optional																																						
nilReason	gml:NilReasonType		optional																																						
xlink:actuate	xlink:actuateType		optional																																						
xlink:arcrole	xlink:arcroleType		optional																																						
xlink:href	xlink:hrefType		optional																																						
xlink:role	xlink:roleType		optional																																						
xlink:show	xlink:showType		optional																																						
xlink:title	xlink:titleAttrType		optional																																						
xlink:type	xlink:typeType	simple	optional																																						

Attribute Group **gml:OwnershipAttributeGroup**

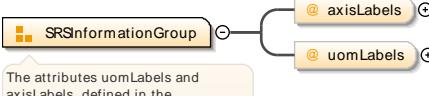
Namespace	http://www.opengis.net/gml/3.2
Annotations	Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or referenced GML Object, i.e. the encoding style shall not imply any "deep-copy" or "deep-delete" semantics. To express ownership over the contained or referenced GML Object, the gml:OwnershipAttributeGroup attribute group may be added to object-valued property elements. If the attribute group is not part of the content model of such a property element, then the value may not be "owned". When the value of the owns attribute is "true", the existence of inline or referenced object(s) depends upon the existence of the parent object.

Diagram									
Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>owns</td> <td>boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Default	Use	owns	boolean	false	optional
QName	Type	Default	Use						
owns	boolean	false	optional						

Attribute Group **gml:SRSReferenceGroup**

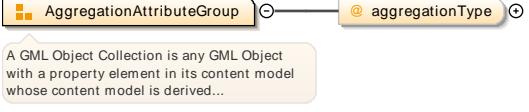
Namespace	http://www.opengis.net/gml/3.2																	
Annotations	The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional additional information to simplify the processing of the coordinates when a more complete definition of the CRS is not needed. In general the attribute srsName points to a CRS instance of gml:AbstractCoordinateReferenceSystem. 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 shall be specified as part of the larger context this geometry element is part of.																	
Diagram	 <p>The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...</p> <p>The attributes uomLabels and axisLabels, defined in the SRSInformationGroup attribute group, are optional additional...</p>																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional		
QName	Type	Use																
axisLabels	gml:NCNameList	optional																
srsDimension	positiveInteger	optional																
srsName	anyURI	optional																
uomLabels	gml:NCNameList	optional																

Attribute Group **gml:SRSInformationGroup**

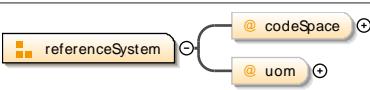
Namespace	http://www.opengis.net/gml/3.2											
Annotations	The attributes uomLabels and axisLabels, defined in the SRSInformationGroup attribute group, are optional additional and redundant information for a CRS to simplify the processing of the coordinate values when a more complete definition of the CRS is not needed. This information shall be the same as included in the complete definition of the CRS, referenced by the srsName attribute. When the srsName attribute is included, either both or neither of the axisLabels and uomLabels attributes shall be included. When the srsName attribute is omitted, both of these attributes shall be omitted. The attribute axisLabels is an ordered list of labels for all the axes of this CRS. The gml:axisAbbrev value should be used for these axis labels, after spaces and forbidden characters are removed. When the srsName attribute is included, this attribute is optional. When the srsName attribute is omitted, this attribute shall also be omitted. The attribute uomLabels is an ordered list of unit of measure (uom) labels for all the axes of this CRS. The value of the string in the gml:catalogSymbol should be used for this uom labels, after spaces and forbidden characters are removed. When the axisLabels attribute is included, this attribute shall also be included. When the uomLabels attribute is omitted, this attribute shall also be omitted.											
Diagram	 <p>The attributes uomLabels and axisLabels, defined in the SRSInformationGroup attribute group, are optional additional...</p>											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	uomLabels	gml:NCNameList	optional		
QName	Type	Use										
axisLabels	gml:NCNameList	optional										
uomLabels	gml:NCNameList	optional										

Attribute Group **gml:AggregationAttributeGroup**

Namespace	http://www.opengis.net/gml/3.2		
-----------	--------------------------------	--	--

Annotations	A GML Object Collection is any GML Object with a property element in its content model whose content model is derived by extension from <code>gml:AbstractMemberType</code> . In addition, the complex type describing the content model of the GML Object Collection may also include a reference to the attribute group <code>gml:AggregationAttributeGroup</code> to provide additional information about the semantics of the object collection. This information may be used by applications to group GML objects, and optionally to order and index them. The allowed values for the <code>aggregationType</code> attribute are defined by <code>gml:AggregationType</code> . See 8.4 of ISO/IEC 11404:1996 for the meaning of the values in the enumeration.						
Diagram							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>aggregationType</code></td> <td><code>gml:AggregationType</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>aggregationType</code>	<code>gml:AggregationType</code>	optional
QName	Type	Use					
<code>aggregationType</code>	<code>gml:AggregationType</code>	optional					

Attribute Group `gml:referenceSystem`

Namespace	http://www.opengis.net/gml/3.2									
Diagram										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>codeSpace</code></td> <td><code>anyURI</code></td> <td>optional</td> </tr> <tr> <td><code>uom</code></td> <td><code>gml:UomIdentifier</code></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<code>codeSpace</code>	<code>anyURI</code>	optional	<code>uom</code>	<code>gml:UomIdentifier</code>	optional
QName	Type	Use								
<code>codeSpace</code>	<code>anyURI</code>	optional								
<code>uom</code>	<code>gml:UomIdentifier</code>	optional								

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

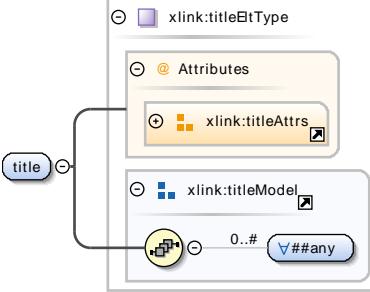
Schema(s)

Imported schema `xlink.xsd`

Namespace	http://www.w3.org/1999/xlink				
Annotations	This schema document provides attribute declarations and attribute group, complex type and simple type definitions which can be used in the construction of user schemas to define the structure of particular linking constructs, e.g. <code><xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xl="http://www.w3.org/1999/xlink"> <xs:import namespace="http://www.w3.org/1999/xlink" location="http://www.w3.org/1999/xlink.xsd"> <xs:element name="mySimple"> <xs:complexType> ... <xs:attributeGroup ref="xl:simpleAttrs"/> ... <xs:complexType> </xs:element> ... </xs:schema></code>				
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td><code>unqualified</code></td> </tr> <tr> <td>element form default:</td> <td><code>unqualified</code></td> </tr> </table>	attribute form default:	<code>unqualified</code>	element form default:	<code>unqualified</code>
attribute form default:	<code>unqualified</code>				
element form default:	<code>unqualified</code>				

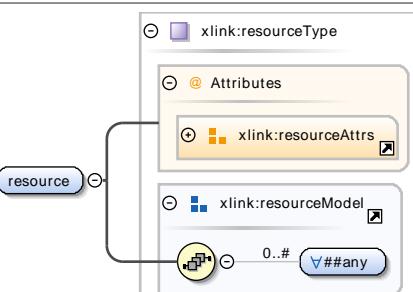
Element(s)

Element `xlink:title`

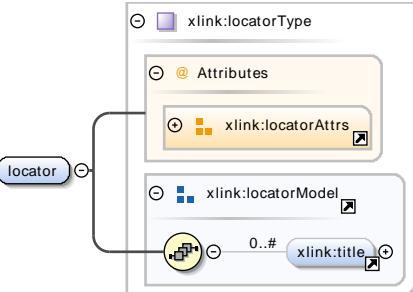
Namespace	http://www.w3.org/1999/xlink				
Diagram					
Type	<code>xlink:titleElType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td><code>complex</code></td> </tr> <tr> <td>abstract:</td> <td><code>true</code></td> </tr> </table>	content:	<code>complex</code>	abstract:	<code>true</code>
content:	<code>complex</code>				
abstract:	<code>true</code>				

		mixed:	true		
Attributes	QName	Type	Fixed	Use	
	xlink:type	xlink:typeType	title	required	
	xml:lang	union of(xs:language, restriction of xs:string)		optional	
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.				

Element **xlink:resource**

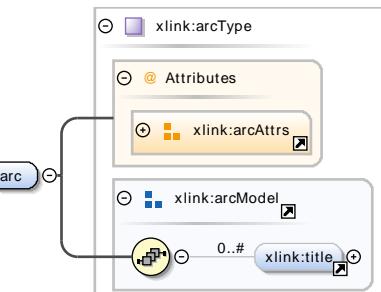
Namespace	http://www.w3.org/1999/xlink				
Diagram					
Type	xlink:resourceType				
Properties	content: complex abstract: true mixed: true				
Attributes	QName	Type	Fixed	Use	
	xlink:label	xlink:labelType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	resource	required	

Element **xlink:locator**

Namespace	http://www.w3.org/1999/xlink				
Diagram					
Type	xlink:locatorType				
Properties	content: complex abstract: true				
Attributes	QName	Type	Fixed	Use	
	xlink:href	xlink:hrefType		required	
	xlink:label	xlink:labelType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:title	xlink:titleAttrType		optional	

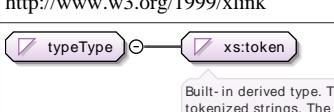
QName	Type	Fixed	Use	
xlink:type	xlink:typeType	locator	required	

Element `xlink:arc`

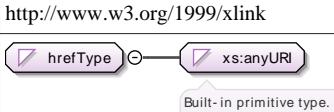
Namespace	http://www.w3.org/1999/xlink			
Diagram	 <pre> classDiagram class xlink:arcType { @Attributes +xlink:arcAttrs +xlink:arcModel +xlink:title [0..#] } xlink:arc < -- xlink:arcType </pre>			
Type	xlink:arcType			
Properties	<p>content: complex</p> <p>abstract: true</p>			
Attributes	QName	Type	Fixed	Use
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:from	xlink:fromType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:to	xlink:toType		optional
	xlink:type	xlink:typeType	arc	required

Simple Type(s)

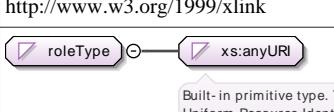
Simple Type `xlink:typeType`

Namespace	http://www.w3.org/1999/xlink	
Diagram	 <pre> classDiagram typeType < -- xs:token </pre> <p>Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.</p>	
Type	restriction of xs:token	

Simple Type `xlink:hrefType`

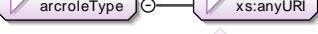
Namespace	http://www.w3.org/1999/xlink	
Diagram	 <pre> classDiagram hrefType < -- xs:anyURI </pre> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>	
Type	xs:anyURI	

Simple Type `xlink:roleType`

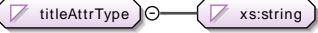
Namespace	http://www.w3.org/1999/xlink	
Diagram	 <pre> classDiagram roleType < -- xs:anyURI </pre> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>	

Type	restriction of xs:anyURI
------	--------------------------

Simple Type xlink:arcroleType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	restriction of xs:anyURI

Simple Type xlink:titleAttrType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string

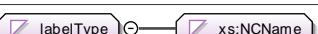
Simple Type xlink:showType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.</p>
Type	restriction of xs:token

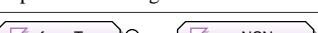
Simple Type xlink:actuateType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.</p>
Type	restriction of xs:token

Simple Type xlink:labelType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.</p>
Type	xs:NCName

Simple Type xlink:fromType

Namespace	http://www.w3.org/1999/xlink
Diagram	 <p>Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.</p>
Type	xs:NCName

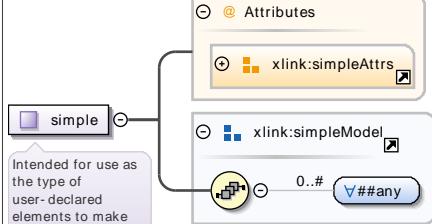
Simple Type xlink:toType

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

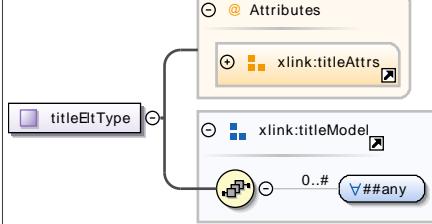
Diagram	 Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.
Type	xs:NCName

Complex Type(s)

Complex Type `xlink:simple`

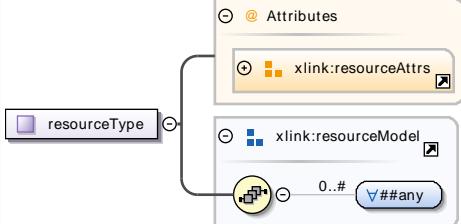
Namespace	http://www.w3.org/1999/xlink			
Annotations	Intended for use as the type of user-declared elements to make them simple links.			
Diagram				
Properties	mixed: true			
Attributes	QName	Type	Fixed	Use
	xlink:actuate	xlink:actuateType		optional
	xlink:arcrole	xlink:arcroleType		optional
	xlink:href	xlink:hrefType		optional
	xlink:role	xlink:roleType		optional
	xlink:show	xlink:showType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	simple	optional

Complex Type `xlink:titleElType`

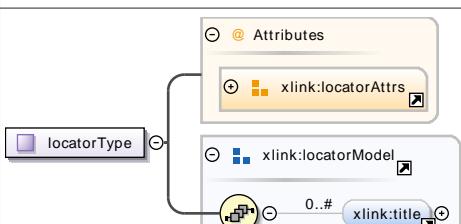
Namespace	http://www.w3.org/1999/xlink			
Diagram				
Properties	mixed: true			
Attributes	QName	Type	Fixed	Use
	xlink:type	xlink:typeType	title	required
	xml:lang	union of(xs:language, restriction of xs:string)		optional
Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.				

Complex Type `xlink:resourceType`

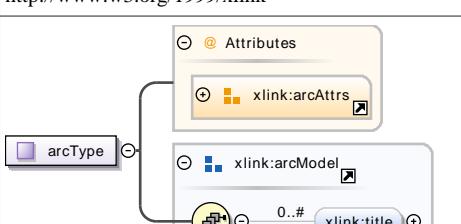
Namespace	http://www.w3.org/1999/xlink			
-----------	------------------------------	--	--	--

Diagram																					
Properties	mixed: true																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:label</td><td>xlink:labelType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>resource</td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Use	xlink:label	xlink:labelType		optional	xlink:role	xlink:roleType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	resource	required
QName	Type	Fixed	Use																		
xlink:label	xlink:labelType		optional																		
xlink:role	xlink:roleType		optional																		
xlink:title	xlink:titleAttrType		optional																		
xlink:type	xlink:typeType	resource	required																		

Complex Type xlink:locatorType

Namespace	http://www.w3.org/1999/xlink																								
Diagram																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td>required</td></tr> <tr> <td>xlink:label</td><td>xlink:labelType</td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>locator</td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Use	xlink:href	xlink:hrefType		required	xlink:label	xlink:labelType		optional	xlink:role	xlink:roleType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	locator	required
QName	Type	Fixed	Use																						
xlink:href	xlink:hrefType		required																						
xlink:label	xlink:labelType		optional																						
xlink:role	xlink:roleType		optional																						
xlink:title	xlink:titleAttrType		optional																						
xlink:type	xlink:typeType	locator	required																						

Complex Type xlink:arcType

Namespace	http://www.w3.org/1999/xlink																																
Diagram																																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td>optional</td></tr> <tr> <td>xlink:from</td><td>xlink:fromType</td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td>optional</td></tr> <tr> <td>xlink:to</td><td>xlink:toType</td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>arc</td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Use	xlink:actuate	xlink:actuateType		optional	xlink:arcrole	xlink:arcroleType		optional	xlink:from	xlink:fromType		optional	xlink:show	xlink:showType		optional	xlink:title	xlink:titleAttrType		optional	xlink:to	xlink:toType		optional	xlink:type	xlink:typeType	arc	required
QName	Type	Fixed	Use																														
xlink:actuate	xlink:actuateType		optional																														
xlink:arcrole	xlink:arcroleType		optional																														
xlink:from	xlink:fromType		optional																														
xlink:show	xlink:showType		optional																														
xlink:title	xlink:titleAttrType		optional																														
xlink:to	xlink:toType		optional																														
xlink:type	xlink:typeType	arc	required																														

Complex Type xlink:extended

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

Annotations	Intended for use as the type of user-declared elements to make them extended links. Note that the elements referenced in the content model are all abstract. The intention is that by simply declaring elements with these as their substitutionGroup, all the right things will happen.																
Diagram	<pre> classDiagram class extended { <<Intended for use as the type of user-declared elements to make them extended links. Note that the elements referenced...>> } class Attributes { <<@ Attributes>> <<xlink:extendedAttrs>> } class xlink { <<xlink:extendedModel>> <<xlink:title>> <<xlink:resource>> <<xlink:locator>> <<xlink:arc>> } extended < -- Attributes extended < -- xlink:extendedModel xlink:extendedModel < -- xlink:title xlink:extendedModel < -- xlink:resource xlink:extendedModel < -- xlink:locator xlink:extendedModel < -- xlink:arc </pre>																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>extended</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	xlink:role	xlink:roleType		optional	xlink:title	xlink:titleAttrType		optional	xlink:type	xlink:typeType	extended	required
QName	Type	Fixed	Use														
xlink:role	xlink:roleType		optional														
xlink:title	xlink:titleAttrType		optional														
xlink:type	xlink:typeType	extended	required														

Attribute(s)

Attribute @xlink:type

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

Attribute @xlink:href

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

Attribute @xlink:role

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

Attribute @xlink:arcrole

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

Attribute @xlink:title

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

Attribute @xlink:show

Namespace	http://www.w3.org/1999/xlink
Type	xlink:showType

Properties	content: simple
------------	-----------------

Attribute @xlink:actuate

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

Attribute @xlink:label

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

Attribute @xlink:from

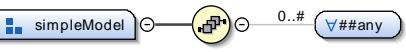
Namespace	http://www.w3.org/1999/xlink
Type	xlink:fromType
Properties	content: simple

Attribute @xlink:to

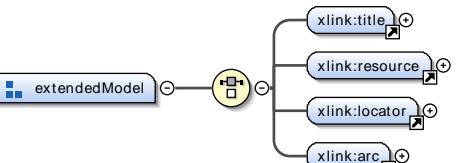
Namespace	http://www.w3.org/1999/xlink
Type	xlink:toType
Properties	content: simple

Element Group(s)

Element Group xlink:simpleModel

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

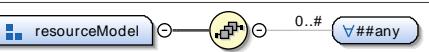
Element Group xlink:extendedModel

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

Element Group xlink:titleModel

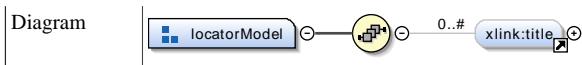
Namespace	http://www.w3.org/1999/xlink
Diagram	

Element Group xlink:resourceModel

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

Element Group xlink:locatorModel

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



Element Group xlink:arcModel

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

Attribute Group(s)

Attribute Group xlink:simpleAttrs

Namespace	http://www.w3.org/1999/xlink				
Diagram					
Attributes	QName	Type	Fixed	Use	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:href	xlink:hrefType		optional	
	xlink:role	xlink:roleType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	simple	optional	

Attribute Group xlink:extendedAttrs

Namespace	http://www.w3.org/1999/xlink				
Diagram					
Attributes	QName	Type	Fixed	Use	
	xlink:role	xlink:roleType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:type	xlink:typeType	extended	required	

Attribute Group xlink:titleAttrs

Namespace	http://www.w3.org/1999/xlink				
Diagram	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> xml:lang is not required, but provides much of the motivation for title elements in addition to attributes, and so is... </div>				
Attributes	QName	Type	Fixed	Use	
	xlink:type	xlink:typeType	title	required	

QName	Type	Fixed	Use
xml:lang	union of(xs:language, restriction of xs:string)		optional
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.		

Attribute Group **xlink:resourceAttrs**

Namespace	http://www.w3.org/1999/xlink			
Diagram				
Attributes	QName	Type	Fixed	Use
	xlink:label	xlink:labelType		optional
	xlink:role	xlink:roleType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	resource	required

Attribute Group **xlink:locatorAttrs**

Namespace	http://www.w3.org/1999/xlink			
Diagram				
Attributes	QName	Type	Fixed	Use
	xlink:href	xlink:hrefType		required
	xlink:label	xlink:labelType		optional
	xlink:role	xlink:roleType		optional
	xlink:title	xlink:titleAttrType		optional
	xlink:type	xlink:typeType	locator	required

Attribute Group **xlink:arcAttrs**

Namespace	http://www.w3.org/1999/xlink			
Diagram				
Attributes	QName	Type	Fixed	Use
	xlink:type			
	xlink:arcrole			
	xlink:title			
	xlink:show			
	xlink:actuate			
	xlink:from			

Attributes	QName	Type	Fixed	Use	
	xlink:actuate	xlink:actuateType		optional	
	xlink:arcrole	xlink:arcroleType		optional	
	xlink:from	xlink:fromType		optional	
	xlink:show	xlink:showType		optional	
	xlink:title	xlink:titleAttrType		optional	
	xlink:to	xlink:toType		optional	
	xlink:type	xlink:typeType	arc	required	

Namespace: "http://www.w3.org/XML/1998/namespace"

Schema(s)

Imported schema `xml.xsd`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<p>See http://www.w3.org/XML/1998/namespace.html and http://www.w3.org/TR/REC-xml for information about this namespace. This schema document describes the XML namespace, in a form suitable for import by other schema documents. Note that local names in this namespace are intended to be defined only by the World Wide Web Consortium or its subgroups. The following names are currently defined in this namespace and should not be used with conflicting semantics by any Working Group, specification, or document instance: <code>base</code> (as an attribute name): denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification. <code>id</code> (as an attribute name): denotes an attribute whose value should be interpreted as if declared to be of type ID. This name is reserved by virtue of its definition in the <code>xml:id</code> specification. <code>lang</code> (as an attribute name): denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification. <code>space</code> (as an attribute name): denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification. <code>Father</code> (in any context at all): denotes Jon Bosak, the chair of the original XML Working Group. This name is reserved by the following decision of the W3C XML Plenary and XML Coordination groups: In appreciation for his vision, leadership and dedication the W3C XML Plenary on this 10th day of February, 2000 reserves for Jon Bosak in perpetuity the XML name <code>xml:Father</code></p> <p>This schema defines attributes and an attribute group suitable for use by schemas wishing to allow <code>xml:base</code>, <code>xml:lang</code>, <code>xml:space</code> or <code>xml:id</code> attributes on elements they define. To enable this, such a schema must import this schema for the XML namespace, e.g. as follows: <code><schema ...> ... <import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://www.w3.org/2001/xml.xsd"/></code> Subsequently, qualified reference to any of the attributes or the group defined below will have the desired effect, e.g. <code><type ...> ... <attributeGroup ref="xml:specialAttrs"/></code> will define a type which will schema-validate an instance element with any of those attributes</p> <p>In keeping with the XML Schema WG's standard versioning policy, this schema document will persist at http://www.w3.org/2007/08/xml.xsd. At the date of issue it can also be found at http://www.w3.org/2001/xml.xsd. The schema document at that URI may however change in the future, in order to remain compatible with the latest version of XML Schema itself, or with the XML namespace itself. In other words, if the XML Schema or XML namespaces change, the version of this document at http://www.w3.org/2001/xml.xsd will change accordingly; the version at http://www.w3.org/2007/08/xml.xsd will not change.</p>
Properties	<p>attribute form default: unqualified</p> <p>element form default: unqualified</p>

Attribute(s)

Attribute `@xml:lang`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.
Type	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)
Properties	content: simple

Attribute `@xml:space`

Namespace	http://www.w3.org/XML/1998/namespace
-----------	--------------------------------------

Type	restriction of xs:NCName
Properties	content: simple

Attribute @xml:base

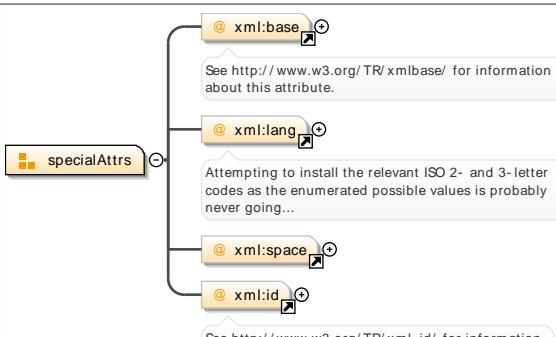
Namespace	http://www.w3.org/XML/1998/namespace
Annotations	See http://www.w3.org/TR/xmlbase/ for information about this attribute.
Type	xs:anyURI
Properties	content: simple

Attribute @xml:id

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	See http://www.w3.org/TR/xml-id/ for information about this attribute.
Type	xs:ID
Properties	content: simple

Attribute Group(s)

Attribute Group xml:specialAttrs

Namespace	http://www.w3.org/XML/1998/namespace																																		
Diagram	 <pre> graph LR specialAttrs[specialAttrs] --> xmlbase["@ xml:base"] specialAttrs --> xmllang["@ xml:lang"] specialAttrs --> xmlspace["@ xml:space"] specialAttrs --> xmlid["@ xml:id"] </pre>																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>xml:base</td> <td>xs:anyURI</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3">See http://www.w3.org/TR/xmlbase/ for information about this attribute.</td></tr> <tr> <td>xml:id</td> <td>xs:ID</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3">See http://www.w3.org/TR/xml-id/ for information about this attribute.</td></tr> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3">Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...</td></tr> <tr> <td>xml:space</td> <td>restriction of xs:NCName</td> <td>optional</td> <td></td> </tr> </tbody> </table>			QName	Type	Use		xml:base	xs:anyURI	optional			See http://www.w3.org/TR/xmlbase/ for information about this attribute.			xml:id	xs:ID	optional			See http://www.w3.org/TR/xml-id/ for information about this attribute.			xml:lang	union of(xs:language, restriction of xs:string)	optional			Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...			xml:space	restriction of xs:NCName	optional	
QName	Type	Use																																	
xml:base	xs:anyURI	optional																																	
	See http://www.w3.org/TR/xmlbase/ for information about this attribute.																																		
xml:id	xs:ID	optional																																	
	See http://www.w3.org/TR/xml-id/ for information about this attribute.																																		
xml:lang	union of(xs:language, restriction of xs:string)	optional																																	
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...																																		
xml:space	restriction of xs:NCName	optional																																	

Namespace: "http://www.apiisim.fr/common/1.0/site"

Schema(s)

Imported schema site.xsd

Namespace	http://www.apiisim.fr/common/1.0/site
-----------	---------------------------------------

Properties	attribute form default: unqualified element form default: unqualified version: 0.10
------------	-------------------------------------------------------------------------------------------

Complex Type(s)

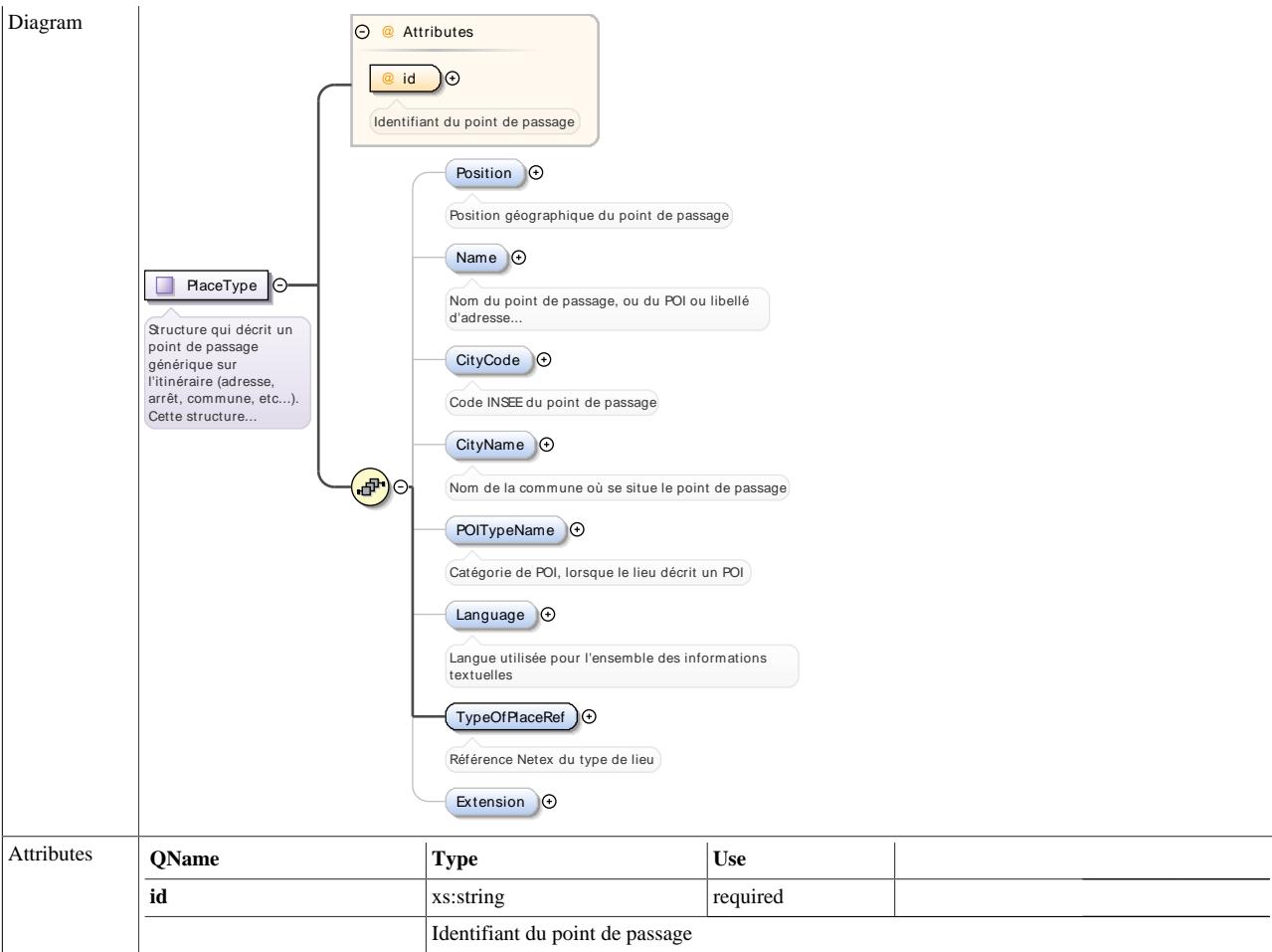
Complex Type TripStopPlaceType

Namespace	http://www.apiisim.fr/common/1.0/site												
Annotations	Structure qui décrit un point de passage générique sur l'itinéraire (adresse, arrêt, commune, etc...) ainsi que la relation hiérarchique avec un autre point de passage.												
Diagram													
Type	extension of PlaceType												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:string</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Identifiant du point de passage</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		id	xs:string	required				Identifiant du point de passage	
QName	Type	Use											
id	xs:string	required											
		Identifiant du point de passage											

Complex Type PlaceType

Namespace	http://www.apiisim.fr/common/1.0/site
Annotations	Structure qui décrit un point de passage générique sur l'itinéraire (adresse, arrêt, commune, etc...). Cette structure ne décrit pas de relation hiérarchique avec d'autres points de passage.

Diagram



Attributes

QName	Type	Use
id	xs:string	required
Identifier du point de passage		

Complex Type PlaceTypeExtensionType

Namespace	http://www.apiisim.fr/common/1.0/site
Diagram	PlaceTypeExtensionType (Complex Type) → Any

Namespace: "http://www.netex.org.uk/netex"**Schema(s)****Imported schema PublicationDeliverySimplified.xsd**

Namespace	http://www.netex.org.uk/netex
Properties	attribute form default: unqualified
	element form default: qualified

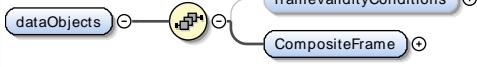
Element(s)**Element LocationStructure / Longitude**

Namespace	http://www.netex.org.uk/netex
Diagram	Longitude

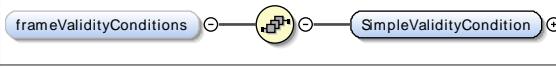
Element LocationStructure / Latitude

Namespace	http://www.netex.org.uk/netex
Diagram	Latitude

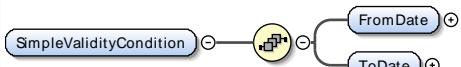
Element PublicationDeliveryType / dataObjects

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex minOccurs: 0

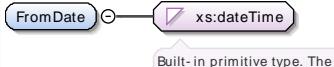
Element PublicationDeliveryType / dataObjects / frameValidityConditions

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex minOccurs: 0

Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

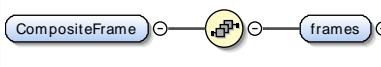
Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition / FromDate

Namespace	http://www.netex.org.uk/netex
Diagram	 Built-in primitive type. The dateTime datatype represents a specific instant of time.
Type	xs:dateTime
Properties	content: simple

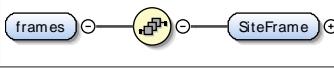
Element PublicationDeliveryType / dataObjects / frameValidityConditions / SimpleValidityCondition / ToDate

Namespace	http://www.netex.org.uk/netex
Diagram	 Built-in primitive type. The dateTime datatype represents a specific instant of time.
Type	xs:dateTime
Properties	content: simple

Element PublicationDeliveryType / dataObjects / CompositeFrame

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames

Namespace	http://www.netex.org.uk/netex
Diagram	

Properties	content:	complex
------------	----------	---------

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace

Namespace	http://www.netex.org.uk/netex						
Diagram							
Properties	content: complex maxOccurs: unbounded						
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> <tr> <td>id</td> <td>xs:normalizedString</td> <td>required</td> </tr> </table>	QName	Type	Use	id	xs:normalizedString	required
QName	Type	Use					
id	xs:normalizedString	required					

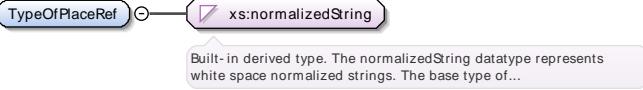
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / ParentZoneRef

Namespace	http://www.netex.org.uk/netex
Diagram	
Type	xs:normalizedString
Properties	content: simple minOccurs: 0

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / placeTypes

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex minOccurs: 0

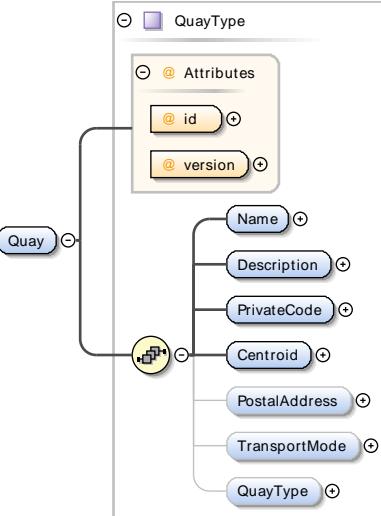
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / placeTypes / TypeOfPlaceRef

Namespace	http://www.netex.org.uk/netex
Diagram	
Type	xs:normalizedString
Properties	content: simple minOccurs: 1 maxOccurs: 1

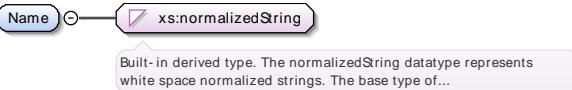
Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / quays

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex minOccurs: 0

Element PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / quays / Quay

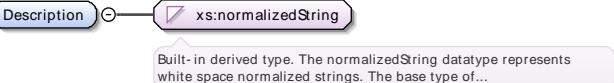
Namespace	http://www.netex.org.uk/netex									
Diagram										
Type	QuayType									
Properties	content: complex maxOccurs: unbounded									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:NMTOKEN</td> <td>required</td> </tr> <tr> <td>version</td> <td>xs:integer</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	id	xs:NMTOKEN	required	version	xs:integer	required
QName	Type	Use								
id	xs:NMTOKEN	required								
version	xs:integer	required								

Element QuayType / Name

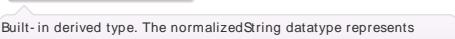
Namespace	http://www.netex.org.uk/netex
Diagram	

Type	xs:normalizedString
Properties	content: simple

Element QuayType / Description

Namespace	http://www.netex.org.uk/netex
Diagram	
Type	xs:normalizedString
Properties	content: simple

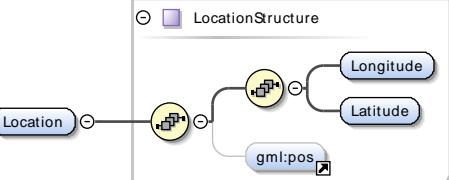
Element QuayType / PrivateCode

Namespace	http://www.netex.org.uk/netex
Diagram	
Type	xs:normalizedString
Properties	content: simple

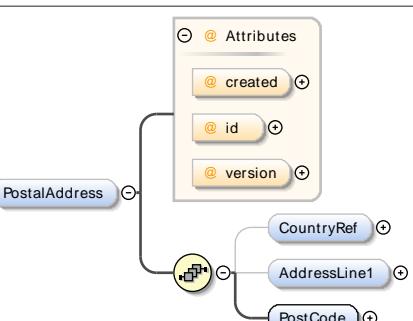
Element QuayType / Centroid

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

Element QuayType / Centroid / Location

Namespace	http://www.netex.org.uk/netex
Diagram	
Type	LocationStructure
Properties	content: complex

Element QuayType / PostalAddress

Namespace	http://www.netex.org.uk/netex
Diagram	
Properties	content: complex

		minOccurs:	0	
Attributes	QName	Type	Use	
	created	xs:dateTime	optional	
	id	xs:normalizedString	optional	
	version	xs:normalizedString	optional	

Element QuayType / PostalAddress / CountryRef

Namespace	http://www.netex.org.uk/netex		
Diagram	<pre> graph LR CountryRef[CountryRef] --> Attributes[Attributes] CountryRef --> ref["@ ref"] Attributes --> AttributesText["@ Attributes"] </pre>		
Properties	content: complex minOccurs: 0		
Attributes	QName	Type	Use
	ref	xs:normalizedString	required

Element QuayType / PostalAddress / AddressLine1

Namespace	http://www.netex.org.uk/netex		
Diagram	<pre> graph LR AddressLine1[AddressLine1] --> xsString["xs:string"] </pre>		
Type	xs:string		
Properties	content: simple minOccurs: 0		

Element QuayType / PostalAddress / PostCode

Namespace	http://www.netex.org.uk/netex		
Diagram	<pre> graph LR PostCode[PostCode] --> xsString["xs:string"] </pre>		
Type	xs:string		
Properties	content: simple		

Element QuayType / TransportMode

Namespace	http://www.netex.org.uk/netex		
Diagram	<pre> graph LR TransportMode[TransportMode] --> VehicleModeEnumeration[VehicleModeEnumeration] </pre>		
Type	VehicleModeEnumeration		
Properties	content: simple minOccurs: 0		

Element QuayType / QuayType

Namespace	http://www.netex.org.uk/netex		
Diagram	<pre> graph LR QuayType[QuayType] --> QuayTypeEnumeration[QuayTypeEnumeration] </pre>		
Type	QuayTypeEnumeration		

Properties	content: simple minOccurs: 0
------------	---------------------------------

Complex Type(s)

Complex Type LocationStructure

Namespace	http://www.netex.org.uk/netex
Diagram	<pre> classDiagram class LocationStructure { Longitude Latitude <<gml:pos>> } </pre>

Complex Type PublicationDeliveryType

Namespace	http://www.netex.org.uk/netex						
Diagram	<pre> classDiagram class PublicationDeliveryType { <<Attributes>> <<version>> <<dataObjects>> } </pre>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>version</td> <td>xs:NMTOKEN</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	version	xs:NMTOKEN	required
QName	Type	Use					
version	xs:NMTOKEN	required					

Complex Type QuayType

Namespace	http://www.netex.org.uk/netex									
Diagram	<pre> classDiagram class QuayType { <<Attributes>> <<id>> <<version>> Name Description PrivateCode Centroid PostalAddress TransportMode QuayType } </pre>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:NMTOKEN</td> <td>required</td> </tr> <tr> <td>version</td> <td>xs:integer</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	id	xs:NMTOKEN	required	version	xs:integer	required
QName	Type	Use								
id	xs:NMTOKEN	required								
version	xs:integer	required								

Simple Type(s)

Simple Type AccessModeEnumeration

Namespace	http://www.netex.org.uk/netex
Annotations	Allowed values for Access MODEs for SITES.
Diagram	<pre> classDiagram class AccessModeEnumeration { <<Allowed values for Access MODEs for SITES. >> <<Built-in primitive type. The string datatype represents character strings in XML. >> } class xs:string </pre>
Type	restriction of xs:string

Simple Type VehicleModeEnumeration

Namespace	http://www.netex.org.uk/netex
Annotations	Allowed values for MODES of Public Transport applicable to timetabled public transport.
Diagram	
Type	restriction of xs:NMTOKEN

Simple Type QuayTypeEnumeration

Namespace	http://www.netex.org.uk/netex
Annotations	Allowed values for QUAY Component Types.
Diagram	
Type	restriction of xs:string

Namespace: "http://www.apiisim.fr/common/1.0/itinerary-request"

Schema(s)

Imported schema ItineraryRequest.xsd

Namespace	http://www.apiisim.fr/common/1.0/itinerary-request
Properties	attribute form default: unqualified element form default: unqualified version: 0.10

Complex Type(s)

Complex Type LocationPointType

Namespace	http://www.apiisim.fr/common/1.0/itinerary-request
Annotations	Structure décrivant un point de départ ou de destination pour un calcul d'itinéraire
Diagram	

Complex Type SelfDriveConditionType

Namespace	http://www.apiisim.fr/common/1.0/itinerary-request
Annotations	Structure qui décrit dans quelle mesure le voyageur peut envisager un rabattement d'un mode vélo ou voiture (au un autre mode pour lequel le voyageur assure lui-même son déplacement) vers un mode de transport collectif.
Diagram	

Simple Type(s)

Simple Type AlgorithmTypeEnumeration

Namespace	http://www.apiisim.fr/common/1.0/itinerary-request
-----------	----------------------------------------------------

Annotations	Type d'optimisation pour le calcul d'itinéraires
Diagram	<p>Type d'optimisation pour le calcul d'itinéraires</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string

Element Group(s)

Element Group **ItineraryRequestParametersGroup**

Namespace	http://www.apiiSim.fr/common/1.0/itinerary-request
Annotations	Groupe de critères pour une recherche d'itinéraire
Diagram	<p>Groupe de critères pour une recherche d'itinéraire</p> <p>DepartureTime (0..1): Date et heure pour un départ au plus tard</p> <p>ArrivalTime (0..1): Date et heure pour une arrivée au plus tôt</p> <p>Algorithm (0..1): Sélection d'un algorithme de recherche</p> <p>modes (0..#): Mode de transport souhaité</p> <p>selfDriveConditions (0..#): Liste des contraintes à respecter pour les éventuels rabattements sur des modes où le voyageur assume son déplacement...</p> <p>AccessibilityConstraint (0..1): Indicateur pour exiger l'accessibilité des solutions d'itinéraire proposées</p> <p>Language (0..1): Langue dans laquelle les informations textuelles sont attendues</p>

Namespace: ""

Element(s)

Element **PlanTripRequestType / Departure**

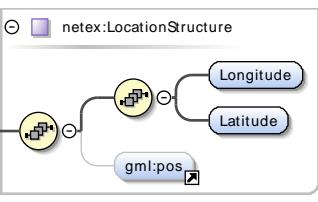
Namespace	No namespace
Annotations	Point de départ de la demande de recherche d'itinéraire
Diagram	<p>Departure (Type: itinerary-request:LocationPointType): Point de départ de la demande de recherche d'itinéraire</p> <p>itinerary-request:LocationPointType (Complex Type): Structure décrivant un point de départ ou de destination pour un calcul d'itinéraire</p> <p>PlaceTypeId (0..1): Identifiant de lieu d'arrêt (n'importe identifiant de PlaceType proposé en réponse de SearchPointsNotificationResponse)</p> <p>Position (0..1): Position géographique</p>
Type	LocationPointType
Properties	content: complex

Element **LocationPointType / PlaceTypeId**

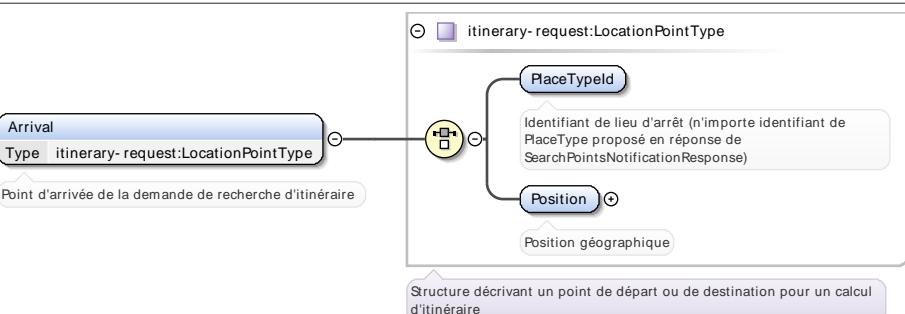
Namespace	No namespace
-----------	--------------

Annotations	Identifiant de lieu d'arrêt (n'importe identifiant de PlaceType proposé en réponse de SearchPointsNotificationResponse)
Diagram	

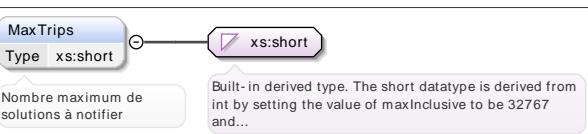
Element LocationPointType / Position

Namespace	No namespace
Annotations	Position géographique
Diagram	
Type	LocationStructure
Properties	content: complex

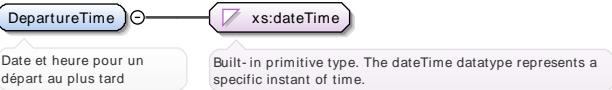
Element PlanTripRequestType / Arrival

Namespace	No namespace
Annotations	Point d'arrivée de la demande de recherche d'itinéraire
Diagram	
Type	LocationPointType
Properties	content: complex

Element PlanTripRequestType / MaxTrips

Namespace	No namespace				
Annotations	Nombre maximum de solutions à notifier				
Diagram					
Type	xs:short				
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				

Element ItineraryRequestParametersGroup / DepartureTime

Namespace	No namespace
Annotations	Date et heure pour un départ au plus tard
Diagram	

Type	xs:dateTime
Properties	content: simple

Element ItineraryRequestParametersGroup / ArrivalTime

Namespace	No namespace
Annotations	Date et heure pour une arrivée au plus tôt
Diagram	
Type	xs:dateTime
Properties	content: simple

Element ItineraryRequestParametersGroup / Algorithm

Namespace	No namespace
Annotations	Sélection d'un algorithme de recherche
Diagram	
Type	restriction of AlgorithmTypeEnumeration
Properties	content: simple minOccurs: 0

Element ItineraryRequestParametersGroup / modes

Namespace	No namespace
Annotations	Mode de transport souhaité
Diagram	
Type	TransportModeEnumeration
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element ItineraryRequestParametersGroup / selfDriveConditions

Namespace	No namespace
Annotations	Liste des contraintes à respecter pour les éventuels rabattements sur des modes où le voyageur assume son déplacement (orientation et moyen de transport éventuel).
Diagram	
Type	SelfDriveConditionType

Properties	content: complex minOccurs: 0 maxOccurs: unbounded
------------	----------------------------------------------------------

Element SelfDriveConditionType / SelfDriveMode

Namespace	No namespace
Annotations	Mode de transport pour le rabattement
Diagram	
Type	AccessModeEnumeration
Properties	content: simple

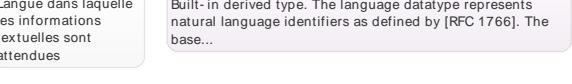
Element SelfDriveConditionType / TripPart

Namespace	No namespace
Annotations	Position du rabattement par rapport au trajet global
Diagram	
Type	TripPartEnumeration
Properties	content: simple minOccurs: 1

Element ItineraryRequestParametersGroup / AccessibilityConstraint

Namespace	No namespace
Annotations	Indicateur pour exiger l'accessibilité des solutions d'itinéraire proposées
Diagram	
Type	xs:boolean
Properties	content: simple minOccurs: 0

Element ItineraryRequestParametersGroup / Language

Namespace	No namespace
Annotations	Langue dans laquelle les informations textuelles sont attendues
Diagram	
Type	xs:language
Properties	content: simple minOccurs: 0

Element AbstractResponseType / RequestId

Namespace	No namespace
-----------	--------------

Annotations	Identifiant de la demande (que ce soit une recherche d'itinéraire ou de localité)
Diagram	<p>Diagram illustrating the RequestId element:</p> <pre> graph LR RequestId[RequestId] --- Note[Identifiant de la demande (que ce soit une recherche d'itinéraire ou de localité)] </pre>

Element StatusGroup / Status

Namespace	No namespace
Annotations	Status de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas valide - si le serveur rencontre une erreur interne - si tout est conforme
Diagram	<p>Diagram illustrating the Status element:</p> <pre> graph LR Status[Status] --- Note[Status de la réponse envoyée par le serveur. Le Status indique : - si la requête transmise par le client n'est pas...] Status --- StatusEnumeration[StatusEnumeration] StatusEnumeration --- Note[Enumération des codes de status 0: OK 1: Erreur côté client (dans la requête reçue) 2: Erreur côté serveur] </pre>
Type	StatusEnumeration
Properties	content: simple

Element StatusGroup / Comment

Namespace	No namespace
Annotations	Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType.
Diagram	<p>Diagram illustrating the Comment element:</p> <pre> graph LR Comment[Comment] --- Note[Texte qui expose les raisons techniques qui justifient l'élément code dans la structure StatusType] Comment --- xsString[xs:string] xsString --- Note[Built-in primitive type. The string datatype represents character strings in XML] </pre>
Type	xs:string
Properties	content: simple minOccurs: 0

Element PlanTripResponse / clientRequestId

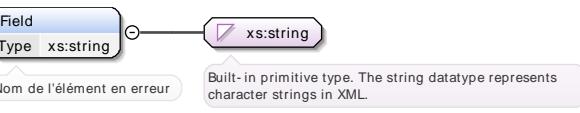
Namespace	No namespace
Annotations	Identifiant de la demande de recherche d'itinéraire fournie par le client
Diagram	<p>Diagram illustrating the clientRequestId element:</p> <pre> graph LR clientRequestId[clientRequestId] --- Note[Identifiant de la demande de recherche d'itinéraire fournie par le client] </pre>

Element PlanTripResponse / errors

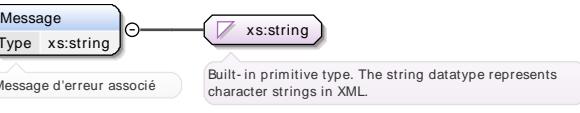
Namespace	No namespace
Annotations	séquence des données en erreur dans la structure associée à la demande de recherche d'itinéraire
Diagram	<p>Diagram illustrating the errors element:</p> <pre> graph LR errors[errors] --- Note[séquence des données en erreur dans la structure associée à la demande de recherche d'itinéraire] errors --- ErrorType[ErrorType] ErrorType --- Note[ErrorType] ErrorType --- Field[Field] Field --- Type[Type xs:string] Field --- Note[Nom de l'élément en erreur] ErrorType --- Message[Message] Message --- Type[Type xs:string] Message --- Note[Message d'erreur associé] </pre>
Type	ErrorType

Properties	content: complex minOccurs: 0 maxOccurs: unbounded
------------	----------------------------------------------------------

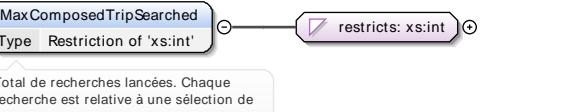
Element **ErrorType / Field**

Namespace	No namespace
Annotations	Nom de l'élément en erreur
Diagram	 <p>Diagram illustrating the relationship between the Field element and the xs:string type. The Field element is connected to the xs:string type via a line with a circle at the end. A callout box labeled "Nom de l'élément en erreur" points to the Field element. Another callout box labeled "Built-in primitive type. The string datatype represents character strings in XML." points to the xs:string type.</p>
Type	xs:string
Properties	content: simple

Element **ErrorType / Message**

Namespace	No namespace
Annotations	Message d'erreur associé
Diagram	 <p>Diagram illustrating the relationship between the Message element and the xs:string type. The Message element is connected to the xs:string type via a line with a circle at the end. A callout box labeled "Message d'erreur associé" points to the Message element. Another callout box labeled "Built-in primitive type. The string datatype represents character strings in XML." points to the xs:string type.</p>
Type	xs:string
Properties	content: simple

Element **StartingSearch / MaxComposedTripSearched**

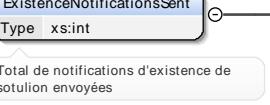
Namespace	No namespace
Annotations	Total de recherches lancées. Chaque recherche est relative à une sélection de SIMs particulière.
Diagram	 <p>Diagram illustrating the relationship between the MaxComposedTripSearched element and the xs:int type. The MaxComposedTripSearched element is connected to the xs:int type via a line with a circle at the end. A callout box labeled "Total de recherches lancées. Chaque recherche est relative à une sélection de SIMs particulière." points to the MaxComposedTripSearched element. Another callout box labeled "restricts: xs:int" points to the xs:int type.</p>
Type	restriction of xs:int
Properties	content: simple

Element **EndingSearch / MaxComposedTripSearched**

Namespace	No namespace
Annotations	Total de recherches lancées. Chaque recherche est relative à une sélection de SIMs particulière.
Diagram	 <p>Diagram illustrating the relationship between the MaxComposedTripSearched element and the xs:int type. The MaxComposedTripSearched element is connected to the xs:int type via a line with a circle at the end. A callout box labeled "Total de recherches lancées. Chaque recherche est relative à une sélection de SIMs particulière." points to the MaxComposedTripSearched element. Another callout box labeled "Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and..." points to the xs:int type.</p>
Type	xs:int
Properties	content: simple minOccurs: 0

Element **EndingSearch / ExistenceNotificationsSent**

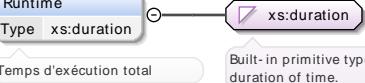
Namespace	No namespace
-----------	--------------

Annotations	Total de notifications d'existence de solution envoyées
Diagram	 <p>ExistenceNotificationsSent Type xs:int</p> <p>Total de notifications d'existence de solution envoyées</p>
Type	xs:int
Properties	content: simple

Element EndingSearch / NotificationsSent

Namespace	No namespace
Annotations	Total de notifications de détail de solution envoyées
Diagram	 <p>NotificationsSent Type xs:int</p> <p>Total de notifications de détail de solution envoyées</p>
Type	xs:int
Properties	content: simple

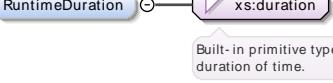
Element EndingSearch / Runtime

Namespace	No namespace
Annotations	Temps d'exécution total
Diagram	 <p>Runtime Type xs:duration</p> <p>Temps d'exécution total</p>
Type	xs:duration
Properties	content: simple minOccurs: 0

Element PlanTripCancellationRequest / RequestId

Namespace	No namespace
Annotations	Identifiant de la recherche d'itinéraire. C'est identifiant est produit par le fournisseur du service.
Diagram	 <p>RequestId</p> <p>Identifiant de la recherche d'itinéraire. C'est identifiant est produit par le fournisseur du service.</p>

Element AbstractNotificationResponseType / RuntimeDuration

Namespace	No namespace
Diagram	 <p>RuntimeDuration Type xs:duration</p> <p>Built-in primitive type. The duration datatype represents a duration of time.</p>
Type	xs:duration
Properties	content: simple minOccurs: 0

Element AbstractNotificationResponseType / ResponseDefaults

Namespace	No namespace
Annotations	Paramètres par défaut utilisés dans les structures de réponses des différents services

Diagram					
Type	ServiceDefaultsType				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element PlanTripExistenceNotificationResponseType / ComposedTripId

Namespace	No namespace
Annotations	Identifiant de la solution d'itinéraire. Cet identifiant est rappelé dans PlanTripNotificationResponse au niveau de l'attribut id de l'élément ComposedTrip
Diagram	

Element PlanTripExistenceNotificationResponseType / DepartureTime

Namespace	No namespace
Annotations	Date heure de départ de l'itinéraire
Diagram	
Type	xs:dateTime
Properties	content: simple

Element PlanTripExistenceNotificationResponseType / ArrivalTime

Namespace	No namespace
Annotations	Date heure d'arrivée de l'itinéraire
Diagram	
Type	xs:dateTime
Properties	content: simple

Element PlanTripExistenceNotificationResponseType / Duration

Namespace	No namespace
Annotations	Durée de l'itinéraire
Diagram	

Type	xs:duration
Properties	content: simple

Element PlanTripExistenceNotificationResponseType / Departure

Namespace	No namespace
Annotations	Point de départ de la demande de recherche d'itinéraire
Diagram	
Type	LocationPointType
Properties	content: complex

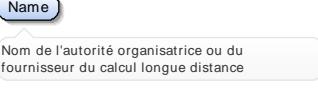
Element PlanTripExistenceNotificationResponseType / Arrival

Namespace	No namespace
Annotations	Point d'arrivée de la demande de recherche d'itinéraire
Diagram	
Type	LocationPointType
Properties	content: complex

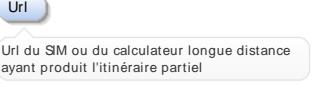
Element PlanTripExistenceNotificationResponseType / providers

Namespace	No namespace				
Diagram					
Type	ProviderType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				

Element ProviderType / Name

Namespace	No namespace
Annotations	Nom de l'autorité organisatrice ou du fournisseur du calcul longue distance
Diagram	

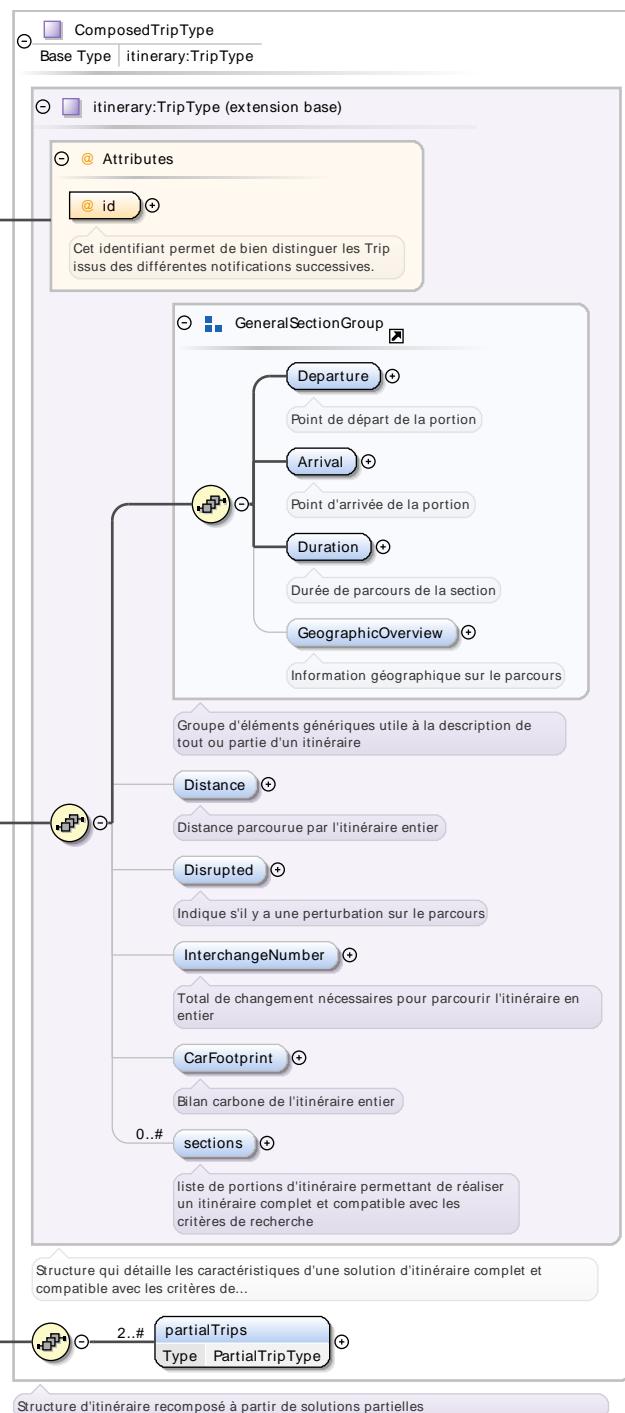
Element ProviderType / Url

Namespace	No namespace
Annotations	Url du SIM ou du calculateur longue distance ayant produit l'itinéraire partiel
Diagram	
Properties	minOccurs: 0

Element PlanTripNotificationResponseType / ComposedTrip

Namespace	No namespace
Annotations	Solution d'itinéraire proposé

Diagram



Type	ComposedTripType		
Properties	content: complex minOccurs: 0 maxOccurs: 1		
Attributes	QName Type Use id xs:string required Cet identifiant permet de bien distinguer les Trip issus des différentes notifications successives.		

Element PlaceType / Position

Namespace	No namespace		
Annotations	Position géographique du point de passage		

Diagram					
Type	LocationStructure				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

Element PlaceType / Name

Namespace	No namespace				
Annotations	Nom du point de passage, ou du POI ou libellé d'adresse...				
Diagram					
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				

Element PlaceType / CityCode

Namespace	No namespace				
Annotations	Code INSEE du point de passage				
Diagram					
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				

Element PlaceType / CityName

Namespace	No namespace				
Annotations	Nom de la commune où se situe le point de passage				
Diagram					
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				

Element PlaceType / POITypeName

Namespace	No namespace
Annotations	Catégorie de POI, lorsque le lieu décrit un POI
Diagram	

Type	xs:string
Properties	content: simple minOccurs: 0

Element PlaceType / Language

Namespace	No namespace
Annotations	Langue utilisée pour l'ensemble des informations textuelles
Diagram	<p>Diagram illustrating the type xs:string:</p> <ul style="list-style-type: none"> Language (xs:string): A box labeled "Language" with a blue border and a purple "xs:string" icon. A line connects it to a purple "xs:string" icon. Annotations: "Langue utilisée pour l'ensemble des informations textuelles" (Language used for the entire set of textual information). Notes: "Built-in primitive type. The string datatype represents character strings in XML."
Type	xs:string
Properties	content: simple minOccurs: 0

Element PlaceType / TypeOfPlaceRef

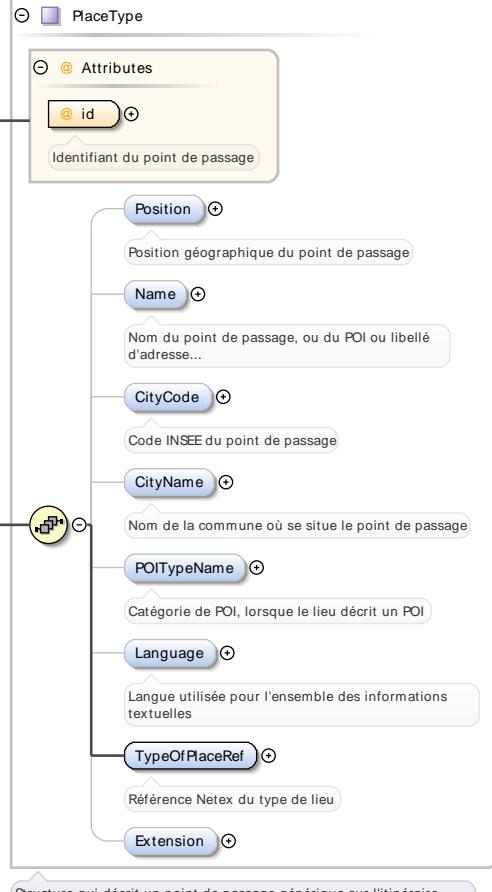
Namespace	No namespace
Annotations	Référence Netex du type de lieu
Diagram	<p>Diagram illustrating the type xs:string:</p> <ul style="list-style-type: none"> TypeOfPlaceRef (xs:string): A box labeled "TypeOfPlaceRef" with a blue border and a purple "xs:string" icon. A line connects it to a purple "xs:string" icon. Annotations: "Référence Netex du type de lieu" (Reference Netex to the type of place). Notes: "Built-in primitive type. The string datatype represents character strings in XML."
Type	xs:string
Properties	content: simple

Element PlaceType / Extension

Namespace	No namespace
Diagram	<p>Diagram illustrating the type PlaceTypeExtensionType:</p> <ul style="list-style-type: none"> Extension (PlaceTypeExtensionType): A box labeled "Extension" with a blue border and a yellow "PlaceTypeExtensionType" icon. A line connects it to a yellow "PlaceTypeExtensionType" icon. Annotations: "PlaceTypeExtensionType" (PlaceTypeExtensionType). Notes: "Complex type" (Complex type).
Type	PlaceTypeExtensionType
Properties	content: complex minOccurs: 0

Element TripStopPlaceType / Parent

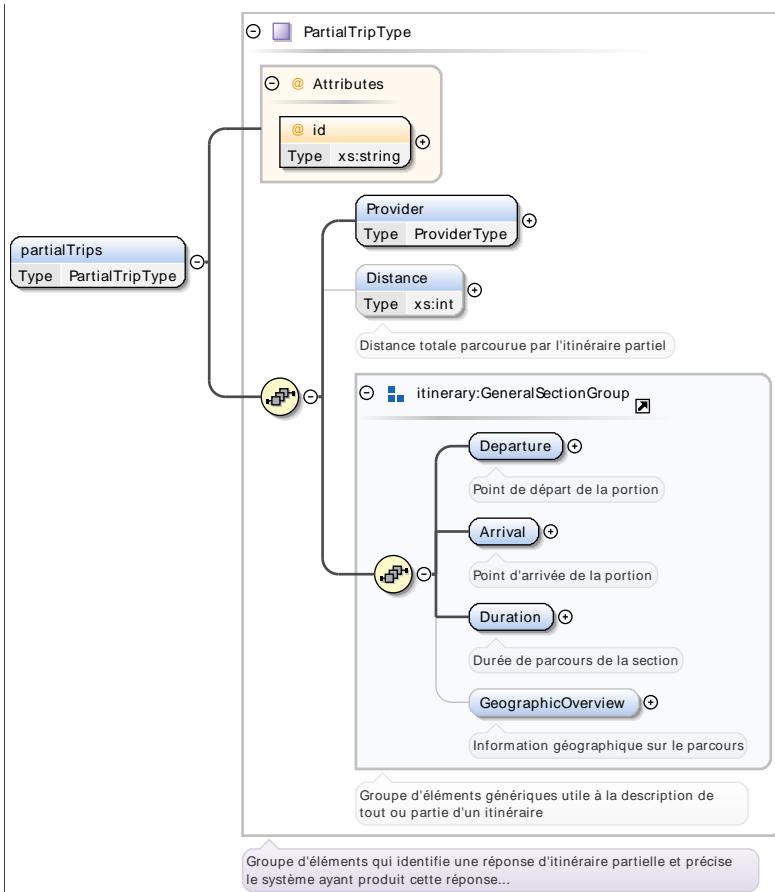
Namespace	No namespace
Annotations	Référence vers le lieu de niveau hiérarchique supérieur

Diagram										
Type	PlaceType									
Properties	content: complex minOccurs: 0									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:string</td><td>required</td></tr> <tr> <td></td><td></td><td>Identifiant du point de passage</td></tr> </tbody> </table>	QName	Type	Use	id	xs:string	required			Identifiant du point de passage
QName	Type	Use								
id	xs:string	required								
		Identifiant du point de passage								

Element ComposedTripType / partialTrips

Namespace	No namespace
-----------	--------------

Diagram



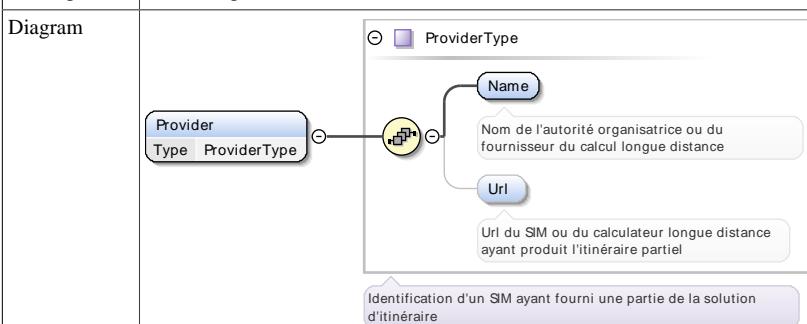
Type	PartialTripType
------	-----------------

Properties	content: complex
	minOccurs: 2
	maxOccurs: unbounded

Attributes	QName	Type	Use	
	<code>id</code>	<code>xs:string</code>	required	

Element PartialTripType / Provider

Namespace	No namespace
-----------	--------------



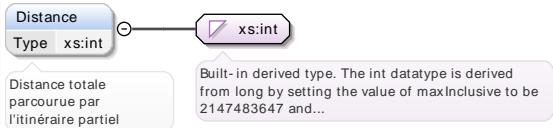
Type	ProviderType
------	--------------

Properties	content: complex
------------	------------------

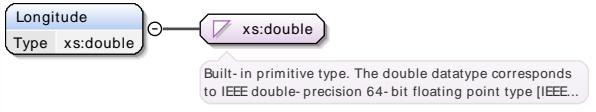
Element PartialTripType / Distance

Namespace	No namespace
-----------	--------------

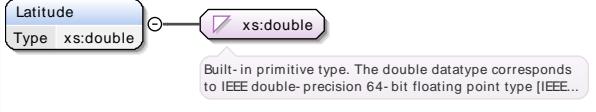
Annotations	Distance totale parcourue par l'itinéraire partiel
-------------	----------------------------------------------------

Diagram					
Type	xs:int				
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				

Element LocationPointType / Longitude

Namespace	No namespace		
Diagram			
Type	xs:double		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element LocationPointType / Latitude

Namespace	No namespace		
Diagram			
Type	xs:double		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Element PlanTripNotificationStatusType / PlanTripNotificationStatusCode

Namespace	No namespace		
Diagram			
Type	PlanTripStatusCodeEnumeration		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Attribute(s)

Attribute AbstractRequestType / @clientRequestId

Namespace	No namespace		
Annotations	Identifiant de la structure de requête. Cet identifiant est fourni par le client du service. L'identifiant est rappelé dans les notifications de réponse (sous forme d'élément RequestId) du service.		
Type	xs:string		
Properties	<table> <tr> <td>use:</td> <td>required</td> </tr> </table>	use:	required
use:	required		

Attribute ServiceDefaultsType / geographicOverviewFormats / GeographicOverviewFormat / @default

Namespace	No namespace		
Annotations	Indique s'il s'agit du format par défaut dans l'ensemble de la réponse du service		
Type	xs:boolean		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

Attribute PlaceType / @id

Namespace	No namespace
Annotations	Identifiant du point de passage
Type	xs:string
Properties	use: required

Attribute LineType / @id

Namespace	No namespace
Annotations	Identifiant de la ligne
Type	xs:string
Properties	content: simple

Attribute LineType / @companyRef

Namespace	No namespace
Annotations	Identifiant du transporteur de la ligne (inutile si la structure Company est fournie)
Type	xs:string
Properties	content: simple

Attribute LineType / @ptNetworkRef

Namespace	No namespace
Annotations	Identifiant du réseau de la ligne (inutile si la structure ptNetwork est fournie)
Type	xs:string
Properties	content: simple

Attribute LineType / @groupOfLineRef

Namespace	No namespace
Annotations	Identifiant du groupe de ligne associé à la ligne (inutile si la structure GroupOfLine est fournie)
Type	xs:string
Properties	content: simple

Attribute GroupOfLineType / @id

Namespace	No namespace
Annotations	Identifiant du groupe de ligne
Type	xs:string
Properties	content: simple

Attribute PTNetworkType / @id

Namespace	No namespace
Annotations	Identifiant du réseau de transport
Type	xs:string
Properties	content: simple

Attribute CompanyType / @id

Namespace	No namespace
Annotations	Identifiant du transporteur
Type	xs:string
Properties	content: simple

Attribute `gml:AssociationAttributeGroup` / `@nilReason`

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

Attribute `gml:MetaDataPropertyType` / `@about`

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

Attribute `gml:OwnershipAttributeGroup` / `@owns`

Namespace	No namespace
Type	<code>boolean</code>
Properties	default: false

Attribute `gml:CodeType` / `@codeSpace`

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

Attribute `gml:CodeWithAuthorityType` / `@codeSpace`

Namespace	No namespace
Type	<code>anyURI</code>
Properties	use: required

Attribute `gml:SRSReferenceGroup` / `@srsName`

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

Attribute `gml:SRSReferenceGroup` / `@srsDimension`

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

Attribute `gml:SRSInformationGroup` / `@axisLabels`

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

Attribute `gml:SRSInformationGroup` / `@uomLabels`

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

Attribute `gml:CoordinatesType` / `@decimal`

Namespace	No namespace
-----------	--------------

Type	string
Properties	default:

Attribute `gml:CoordinatesType` / `@cs`

Namespace	No namespace
Type	string
Properties	default:

Attribute `gml:CoordinatesType` / `@ts`

Namespace	No namespace
Type	string
Properties	default:

Attribute `gml:DirectPositionListType` / `@count`

Namespace	No namespace
Type	positiveInteger
Properties	content: simple

Attribute `StepType` / `@id`

Namespace	No namespace
Annotations	Identifiant de la section de transport en commun
Type	xs:string
Properties	content: simple

Attribute `PTRideType` / `@lineRef`

Namespace	No namespace
Annotations	Identifiant de la ligne empruntée par le PTRide
Type	xs:string
Properties	content: simple

Attribute `PTRideType` / `@companyRef`

Namespace	No namespace
Annotations	Identifiant du transporteur associé à la ligne empruntée par le PTRide
Type	xs:string
Properties	content: simple

Attribute `PTRideType` / `@ptNetworkRef`

Namespace	No namespace
Annotations	Identifiant du réseau associé à la ligne empruntée par le PTRide
Type	xs:string
Properties	content: simple

Attribute `PTRideType` / `@vehicleJourneyRef`

Namespace	No namespace
Annotations	Identifiant du véhicule associé à la ligne empruntée par le PTRide
Type	xs:string
Properties	content: simple

Attribute PTRideType / @groupOfLineRef

Namespace	No namespace
Annotations	Identifiant du groupe de ligne associé à la ligne empruntée par le PTRide
Type	xs:string
Properties	content: simple

Attribute PathLinkType / @id

Namespace	No namespace
Annotations	Identifiant du cheminement
Type	xs:string
Properties	content: simple

Attribute TripType / @id

Namespace	No namespace
Annotations	Cet identifiant permet de bien distinguer les Trip issus des différentes notifications successives.
Type	xs:string
Properties	use: required

Attribute PartialTripType / @id

Namespace	No namespace
Type	xs:string
Properties	use: required

Attribute LocationPointType / @id

Namespace	No namespace
Type	xs:string
Properties	content: simple

Attribute gml:RelatedTimeType / @relativePosition

Namespace	No namespace
Type	restriction of string
Properties	content: simple

Attribute gml:BoundingShapeType / @nilReason

Namespace	No namespace
Type	gml:NilReasonType
Properties	content: simple

Attribute gml:TimePositionType / @frame

Namespace	No namespace
Type	anyURI
Properties	default: #ISO-8601

Attribute gml:TimePositionType / @calendarEraName

Namespace	No namespace
Type	string

Properties	content: simple
------------	-----------------

Attribute `gml:TimePositionType` / `@indeterminatePosition`

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

Attribute `gml:EnvelopeWithTimePeriodType` / `@frame`

Namespace	No namespace
Type	<code>anyURI</code>
Properties	default: #ISO-8601

Attribute `gml:AggregationAttributeGroup` / `@aggregationType`

Namespace	No namespace
Type	<code>gml:AggregationType</code>
Properties	content: simple
	final: restriction, list, union

Attribute `gml:AbstractCurveSegmentType` / `@numDerivativesAtStart`

Namespace	No namespace
Type	<code>integer</code>
Properties	default: 0

Attribute `gml:AbstractCurveSegmentType` / `@numDerivativesAtEnd`

Namespace	No namespace
Type	<code>integer</code>
Properties	default: 0

Attribute `gml:AbstractCurveSegmentType` / `@numDerivativeInterior`

Namespace	No namespace
Type	<code>integer</code>
Properties	default: 0

Attribute `gml:OrientableCurveType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:LineStringSegmentType` / `@interpolation`

Namespace	No namespace
Type	<code>gml:CurveInterpolationType</code>
Properties	fixed: linear

Attribute `gml:ArcStringType` / `@interpolation`

Namespace	No namespace
Type	<code>gml:CurveInterpolationType</code>

Properties	fixed:	circularArc3Points
------------	--------	--------------------

Attribute `gml:ArcStringType` / `@numArc`

Namespace	No namespace
Type	integer
Properties	content: simple

Attribute `gml:ArcType` / `@numArc`

Namespace	No namespace
Type	integer
Properties	fixed: 1

Attribute `gml:ArcStringByBulgeType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: circularArc2PointWithBulge

Attribute `gml:ArcStringByBulgeType` / `@numArc`

Namespace	No namespace
Type	integer
Properties	content: simple

Attribute `gml:ArcByBulgeType` / `@numArc`

Namespace	No namespace
Type	integer
Properties	fixed: 1

Attribute `gml:MeasureType` / `@uom`

Namespace	No namespace
Type	gml:UomIdentifier
Properties	use: required

Attribute `gml:ArcByCenterPointType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: circularArcCenterPointWithRadius

Attribute `gml:ArcByCenterPointType` / `@numArc`

Namespace	No namespace
Type	integer
Properties	use: required
	fixed: 1

Attribute `gml:CubicSplineType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType

Properties	fixed:	cubicSpline
------------	--------	-------------

Attribute `gml:CubicSplineType` / `@degree`

Namespace	No namespace
Type	integer
Properties	fixed: 3

Attribute `gml:BSplineType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	default: polynomialSpline

Attribute `gml:BSplineType` / `@isPolynomial`

Namespace	No namespace
Type	boolean
Properties	content: simple

Attribute `gml:BSplineType` / `@knotType`

Namespace	No namespace
Type	gml:KnotTypesType
Properties	content: simple

Attribute `gml:BezierType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: polynomialSpline

Attribute `gml:BezierType` / `@isPolynomial`

Namespace	No namespace
Type	boolean
Properties	fixed: true

Attribute `gml:BezierType` / `@knotType`

Namespace	No namespace
Type	gml:KnotTypesType
Properties	use: prohibited

Attribute `gml:ClothoidType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: clothoid

Attribute `gml:GeodesicStringType` / `@interpolation`

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: geodesic

Attribute `gml:OrientableSurfaceType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:PolygonPatchType` / `@interpolation`

Namespace	No namespace
Type	<code>gml:SurfaceInterpolationType</code>
Properties	fixed: planar

Attribute `gml:TriangleType` / `@interpolation`

Namespace	No namespace
Type	<code>gml:SurfaceInterpolationType</code>
Properties	fixed: planar

Attribute `gml:RectangleType` / `@interpolation`

Namespace	No namespace
Type	<code>gml:SurfaceInterpolationType</code>
Properties	fixed: planar

Attribute `gml:AbstractGriddedSurfaceType` / `@rows`

Namespace	No namespace
Type	integer
Properties	content: simple

Attribute `gml:AbstractGriddedSurfaceType` / `@columns`

Namespace	No namespace
Type	integer
Properties	content: simple

Attribute `gml:ConeType` / `@horizontalCurveType`

Namespace	No namespace
Type	<code>gml:CurveInterpolationType</code>
Properties	fixed: circularArc3Points

Attribute `gml:ConeType` / `@verticalCurveType`

Namespace	No namespace
Type	<code>gml:CurveInterpolationType</code>
Properties	fixed: linear

Attribute `gml:CylinderType` / `@horizontalCurveType`

Namespace	No namespace
Type	<code>gml:CurveInterpolationType</code>
Properties	fixed: circularArc3Points

Attribute `gml:CylinderType` / `@verticalCurveType`

Namespace	No namespace
-----------	--------------

Type	gml:CurveInterpolationType
Properties	fixed: linear

Attribute gml:SphereType / @horizontalCurveType

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: circularArc3Points

Attribute gml:SphereType / @verticalCurveType

Namespace	No namespace
Type	gml:CurveInterpolationType
Properties	fixed: circularArc3Points

Attribute gml:UnitOfMeasureType / @uom

Namespace	No namespace
Type	gml:UomIdentifier
Properties	use: required

Attribute gml:DerivationUnitTermType / @exponent

Namespace	No namespace
Type	integer
Properties	content: simple

Attribute gml:CodeListType / @codeSpace

Namespace	No namespace
Type	anyURI
Properties	content: simple

Attribute gml:CodeOrNilReasonListType / @codeSpace

Namespace	No namespace
Type	anyURI
Properties	content: simple

Attribute gml:MeasureListType / @uom

Namespace	No namespace
Type	gml:UomIdentifier
Properties	use: required

Attribute gml:MeasureOrNilReasonListType / @uom

Namespace	No namespace
Type	gml:UomIdentifier
Properties	use: required

Attribute gml:AbstractTimeGeometricPrimitiveType / @frame

Namespace	No namespace
Type	anyURI
Properties	default: #ISO-8601

Attribute `gml:TimeIntervalLengthType` / `@unit`

Namespace	No namespace
Type	<code>gml:TimeUnitType</code>
Properties	use: required

Attribute `gml:TimeIntervalLengthType` / `@radix`

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

Attribute `gml:TimeIntervalLengthType` / `@factor`

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

Attribute `gml:DirectedFacePropertyType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:TopoSolidType` / `@universal`

Namespace	No namespace
Annotations	A <code>gml:TopoSolid</code> must indicate whether it is a universal topo-solid or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this and the default is fault. NOTE The universal topo-solid is normally not part of any feature, and is used to represent the unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the data set.
Type	<code>boolean</code>
Properties	use: optional default: false

Attribute `gml:DirectedNodePropertyType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:DirectedEdgePropertyType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:DirectedTopoSolidPropertyType` / `@orientation`

Namespace	No namespace
Type	<code>gml:SignType</code>
Properties	default: +

Attribute `gml:FaceType` / `@universal`

Namespace	No namespace
-----------	--------------

Annotations	If the topological representation exists an unbounded manifold (e.g. Euclidean plane), a <code>gml:Face</code> must indicate whether it is a universal face or not, to ensure a lossless topology representation as defined by Kuijpers, et. al. (see OGC 05-102 Topology IPR). The optional universal attribute of type boolean is used to indicate this. NOTE The universal face is normally not part of any feature, and is used to represent the unbounded portion of the data set. Its interior boundary (it has no exterior boundary) would normally be considered the exterior boundary of the map represented by the data set.
Type	boolean
Properties	use: optional
	default: false

Attribute `gml:TopoComplexType` / `@isMaximal`

Namespace	No namespace
Type	boolean
Properties	default: false

Attribute `gml:referenceSystem` / `@codeSpace`

Namespace	No namespace
Type	anyURI
Properties	content: simple

Attribute `gml:referenceSystem` / `@uom`

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

Attribute `gml:SequenceRuleType` / `@order`

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

Attribute `gml:SequenceRuleType` / `@axisOrder`

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

Attribute `gml:Boolean` / `@nilReason`

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

Attribute `gml:Category` / `@nilReason`

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

Attribute `gml:Count` / `@nilReason`

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

Attribute `gml:Quantity` / `@nilReason`

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

Attribute `gml:GridType` / `@dimension`

Namespace	No namespace
Type	<code>positiveInteger</code>
Properties	use: required

Attribute `gml:CoordinateSystemAxisType` / `@uom`

Namespace	No namespace
Annotations	The uom attribute provides an identifier of the unit of measure used for this coordinate system axis. The value of this coordinate in a coordinate tuple shall be recorded using this unit of measure, whenever those coordinates use a coordinate reference system that uses a coordinate system that uses this axis.
Type	<code>gml:UomIdentifier</code>
Properties	use: required

Attribute `gml:DegreesType` / `@direction`

Namespace	No namespace
Type	restriction of string
Properties	content: simple

Attribute `gml:PriorityLocationPropertyType` / `@priority`

Namespace	No namespace
Type	string
Properties	content: simple

Attribute `QuayType` / `PostalAddress` / `CountryRef` / `@ref`

Namespace	No namespace
Type	<code>xs:normalizedString</code>
Properties	use: required

Attribute `QuayType` / `PostalAddress` / `@created`

Namespace	No namespace
Type	<code>xs:dateTime</code>
Properties	use: optional

Attribute `QuayType` / `PostalAddress` / `@id`

Namespace	No namespace
Type	<code>xs:normalizedString</code>
Properties	use: optional

Attribute `QuayType` / `PostalAddress` / `@version`

Namespace	No namespace
Type	<code>xs:normalizedString</code>
Properties	use: optional

Attribute QuayType / @id

Namespace	No namespace
Type	xs:NMTOKEN
Properties	use: required

Attribute QuayType / @version

Namespace	No namespace
Type	xs:integer
Properties	use: required

Attribute PublicationDeliveryType / dataObjects / CompositeFrame / frames / SiteFrame / stopPlaces / StopPlace / @id

Namespace	No namespace
Type	xs:normalizedString
Properties	use: required

Attribute PublicationDeliveryType / @version

Namespace	No namespace
Type	xs:NMTOKEN
Properties	use: required