**IHO Cover Page here.**

S-121 GML encoding Documentation

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# SNAG LIST

Snag list for the GML Annex documentation.

For Covering Paper

* MRN – put in but remains optional. FOID is also included in the standard S-100 Profile DSID element so we can allude to that and make sure it is a viable alternative.

For document

* MRN – suitable notes. For the PT, need to understand MRN is optional and actions underway at IHO to resolve issues with it.

# Introduction

This document contains details of the IHO S-121 GML Encoding format. In order to reduce complexity and provide a concise guide to the structure of the GML Encoding a subset of all elements within the encoding are provided here alongside any necessary detail and background.

There is a large degree of duplication in the types within the S-121 GML Application Schema so duplicated types are noted, but the repeated detail left out of this document. The schema itself contains normative definitions for all types and references to the S-100 base schemas.

# Application Schema Details

There are three main packages contained within the S-121 GML Schema. These are documented individually within this document.

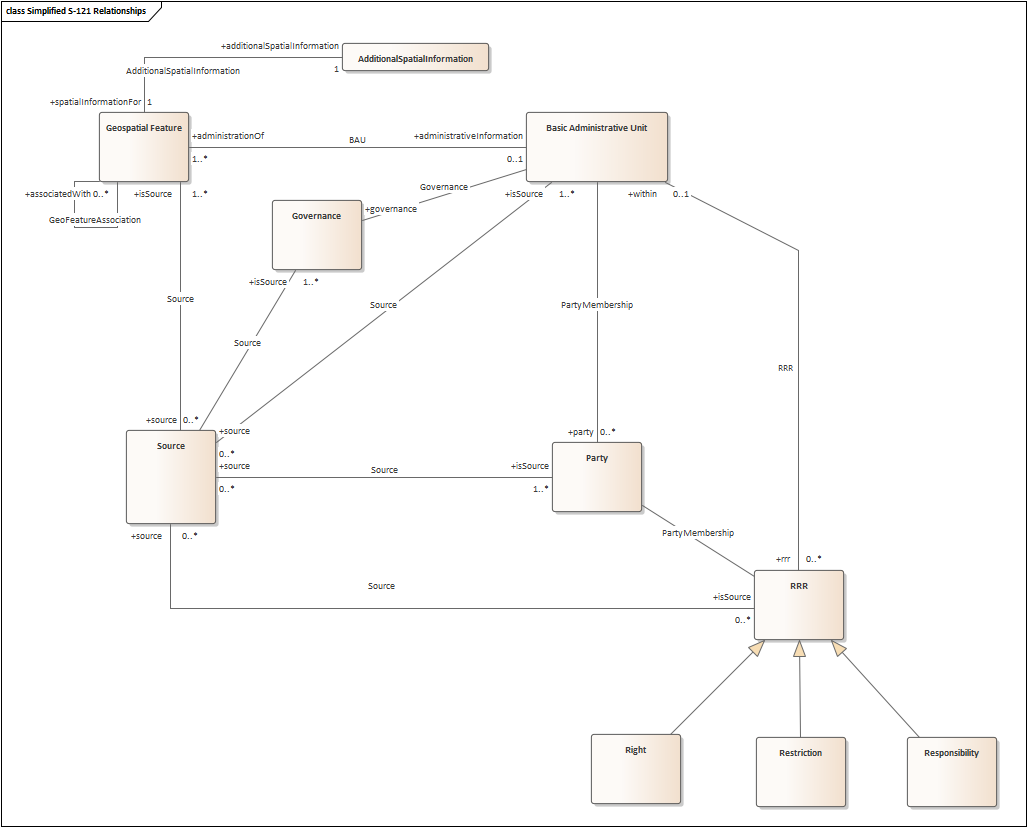


Figure 1: Simplified View of packages and their relationships within the schema (v1)

# Geospatial Features

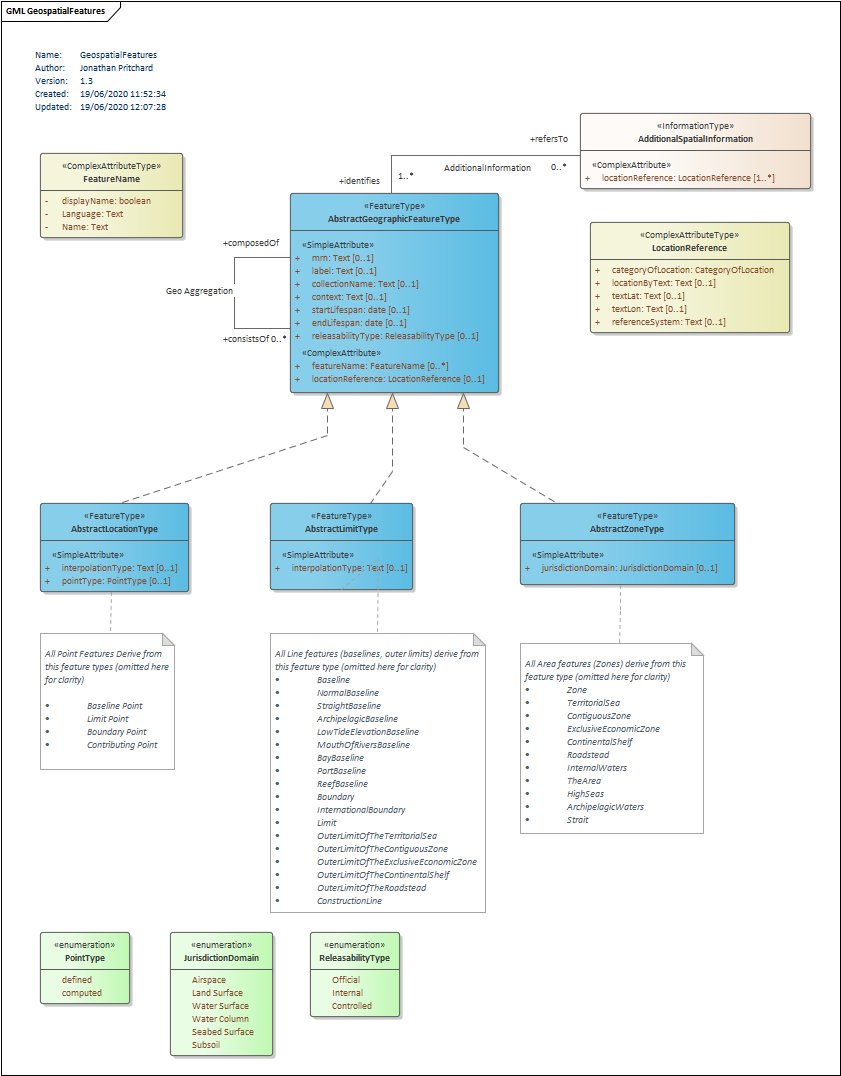


Figure 2: S-121 Geospatial Features only

1. GeospatialFeatures

## AbstractGeographicFeatureType

Class «FeatureType» in package 'S-121'

| ATTRIBUTES |
| --- |
| mrn : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| label : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| collectionName : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| featureName : FeatureName Public  Multiplicity: ( [0..\*], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «ComplexAttribute». Is static True. Containment is Not Specified. ] |
| context : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| startLifespan : date Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| endLifespan : date Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| locationReference : LocationReference Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «ComplexAttribute». Is static True. Containment is Not Specified. ] |
| releasabilityType : ReleasabilityType Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Unspecified) AdditionalInformation | |
| Source: Public identifies (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [1..\*] | Target: Public refersTo (Class) AdditionalSpatialInformation «InformationType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) Geo Aggregation | |
| Source: Public composedOf (Class) AbstractGeographicFeatureType «FeatureType» | Target: Public consistsOf (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) BAU | |
| Source: Public administrationOf (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [0..\*] | Target: Public administrativeInformation (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) Geo Aggregation | |
| Source: Public composedOf (Class) AbstractGeographicFeatureType «FeatureType» | Target: Public consistsOf (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [0..\*] |

## AbstractLimitType

Class «FeatureType» in package 'S-121'

AbstractLimitType

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 06/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Realization from «FeatureType» AbstractLimitType to «FeatureType» AbstractGeographicFeatureType  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| interpolationType : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## AbstractLocationType

Class «FeatureType» in package 'S-121'

AbstractLocationType

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 06/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Realization from «FeatureType» AbstractLocationType to «FeatureType» AbstractGeographicFeatureType  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| interpolationType : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| pointType : PointType Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## AbstractZoneType

Class «FeatureType» in package 'S-121'

AbstractZoneType

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 06/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Realization from «FeatureType» AbstractZoneType to «FeatureType» AbstractGeographicFeatureType  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| jurisdictionDomain : JurisdictionDomain Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## AdditionalSpatialInformation

Class «InformationType» in package 'S-121'

AdditionalSpatialInformation

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| ATTRIBUTES |
| --- |
| locationReference : LocationReference Public  Multiplicity: ( [1..\*], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «ComplexAttribute». Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Unspecified) AdditionalInformation | |
| Source: Public identifies (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [1..\*] | Target: Public refersTo (Class) AdditionalSpatialInformation «InformationType»  Cardinality: [0..\*] |

## FeatureName

Class «ComplexAttributeType» in package 'S-121'

FeatureName

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| displayName : boolean Private  [ Is static True. Containment is Not Specified. ] |
| Language : Text Private  [ Is static True. Containment is Not Specified. ] |
| Name : Text Private  [ Is static True. Containment is Not Specified. ] |

## LocationReference

DataType «ComplexAttributeType» in package 'S-121'

LocationReference

Version 1.0 Phase 1.0 Proposed

kusal created on 19/06/2020. Last modified 19/06/2020

| ATTRIBUTES |
| --- |
| categoryOfLocation : CategoryOfLocation Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| locationByText : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| textLat : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| textLon : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| referenceSystem : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## CategoryOfLocation

Enumeration in package 'S-121'

CategoryOfLocation

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| AdditionalSpatialInformation : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| OriginalLocation : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| OfficialLocation : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| CommonLocation : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| GlobalLocation : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| WGS84Location : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## JurisdictionDomain

Enumeration in package 'S-121'

JurisdictionDomain

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| Airspace : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Land Surface : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Water Surface : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Water Column : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Seabed Surface : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Subsoil : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## PointType

Enumeration in package 'S-121'

PointType

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| defined : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| computed : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## ReleasabilityType

Enumeration in package 'S-121'

ReleasabilityType

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| Official : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Internal : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Controlled : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## Note

Note in package 'Geo'

All Point Features Derive from this feature types (omitted here for clarity)

* Baseline Point
* Limit Point
* Boundary Point
* Contributing Point

Note

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 05/02/2020

Extends

## Note

Note in package 'Geo'

All Line features (baselines, outer limits) derive from this feature type (omitted here for clarity)

* Baseline
* NormalBaseline
* StraightBaseline
* ArchipelagicBaseline
* LowTideElevationBaseline
* MouthOfRiversBaseline
* BayBaseline
* PortBaseline
* ReefBaseline
* Boundary
* InternationalBoundary
* Limit
* OuterLimitOfTheTerritorialSea
* OuterLimitOfTheContiguousZone
* OuterLimitOfTheExclusiveEconomicZone
* OuterLimitOfTheContinentalShelf
* OuterLimitOfTheRoadstead
* ConstructionLine

Note

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 06/02/2020

Extends

## Note

Note in package 'Geo'

All Area features (Zones) derive from this feature type (omitted here for clarity)

* Zone
* TerritorialSea
* ContiguousZone
* ExclusiveEconomicZone
* ContinentalShelf
* Roadstead
* InternalWaters
* TheArea
* HighSeas
* ArchipelagicWaters
* Strait

Note

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 06/02/2020

Extends

## Text

Text in package 'Geo'

Text

Version 1.0 Phase 1.0 Proposed

kusal created on 19/06/2020. Last modified 19/06/2020

Extends

# LADM



1. LADM Features

## AbstractRRR

Class «InformationType» in package 'S-121'

AbstractRRR

Version 1.0 Phase 1.0 Proposed

kusal created on 05/02/2020. Last modified 05/02/2020

| INCOMING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization from «InformationType» Restriction to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |
| Generalization from «InformationType» Right to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |
| Generalization from «InformationType» Responsibility to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| rrrDescription : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| rrrTimespec : Date Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| rrrShare : Double Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| AssociationClass (direction: Unspecified) Membership | |
| Source: Public partyMember (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public administrationOf (Class) AbstractRRR «InformationType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) RRR | |
| Source: Public administrationBy (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..1] | Target: Public administrationOf (Class) AbstractRRR «InformationType»  Cardinality: [0..\*] |

## Basic Administrative Unit

Class «InformationType» in package 'S-121'

Basic Administrative Unit

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| ATTRIBUTES |
| --- |
| basicAdministrativeUnitName : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| basicAdministrativeUnitType : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| basicAdministrativeUnitContext : Text Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| AssociationClass (direction: Unspecified) | |
| Source: Public (Class) Basic Administrative Unit «InformationType» | Target: Public (Class) Basic Administrative Unit «InformationType» |
| Association (direction: Unspecified) RRR | |
| Source: Public administrationBy (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..1] | Target: Public administrationOf (Class) AbstractRRR «InformationType»  Cardinality: [0..\*] |
| AssociationClass (direction: Unspecified) | |
| Source: Public (Class) Basic Administrative Unit «InformationType» | Target: Public (Class) Basic Administrative Unit «InformationType» |
| Association (direction: Unspecified) BAU | |
| Source: Public administrationOf (Class) AbstractGeographicFeatureType «FeatureType»  Cardinality: [0..\*] | Target: Public administrativeInformation (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) Governance | |
| Source: Public governanceOf (AssociationClass) Governance «Information Type»  Cardinality: [0..\*] | Target: Public governanceFor (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |
| Association (direction: Unspecified) PartyMembership | |
| Source: Public party (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public administrationBy (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |

## Governance

AssociationClass «Information Type» in package 'S-121'

Governance

Version 1.0 Phase 1.0 Proposed

kusal created on 22/02/2020. Last modified 23/02/2020

| ATTRIBUTES |
| --- |
| label : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| referenceNumber : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| governanceTitle : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| governanceDescription : Text Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| releasabilityType : ReleasabilityType Private  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| dateConsidered : date Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| dateApproved : date Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| dateIntroduced : date Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |
| featureName : FeatureName Public  [ Stereotype is «ComplexAttribute». Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Unspecified) Governance | |
| Source: Public governanceOf (AssociationClass) Governance «Information Type»  Cardinality: [0..\*] | Target: Public governanceFor (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |

## Party

Class «InformationType» in package 'S-121'

Party

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| ATTRIBUTES |
| --- |
| partyName : int Private  [ Is static True. Containment is Not Specified. ] |
| partyRole : int Private  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Is static True. Containment is Not Specified. ] |
| categoryOfParty : int Private  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Is static True. Containment is Not Specified. ] |
| partyGroupType : PartyGroupType Private  [ Is static True. Containment is Not Specified. ] |
| partyGroup : boolean Private  [ Is static True. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Party «InformationType» | Target: Public (AssociationClass) PartyMember «InformationType» |
| AssociationClass (direction: Unspecified) Membership | |
| Source: Public partyMember (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public administrationOf (Class) AbstractRRR «InformationType»  Cardinality: [0..\*] |
| AssociationClass (direction: Unspecified) | |
| Source: Public group (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public member (Class) Party «InformationType»  Cardinality: [1..] |
| Association (direction: Unspecified) PartyMembership | |
| Source: Public party (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public administrationBy (Class) Basic Administrative Unit «InformationType»  Cardinality: [0..\*] |
| AssociationClass (direction: Unspecified) | |
| Source: Public group (Class) Party «InformationType»  Cardinality: [0..\*] | Target: Public member (Class) Party «InformationType»  Cardinality: [1..] |
| Association (direction: Unspecified) | |
| Source: Public (AssociationClass) PartyMember «InformationType» | Target: Public (Class) Party «InformationType» |

## PartyMembership

AssociationClass «InformationType» in package 'S-121'

PartyMembership

Version 1.0 Phase 1.0 Proposed

kusal created on 23/02/2020. Last modified 23/02/2020

| ATTRIBUTES |
| --- |
| partyMembership : Double Public  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## Responsibility

Class «InformationType» in package 'S-121'

Responsibility

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization from «InformationType» Responsibility to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| categoryOfResponsibility : CategoryOfResponsibility Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## Restriction

Class «InformationType» in package 'S-121'

Restriction

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization from «InformationType» Restriction to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| categoryOfRestriction : CategoryOfRestriction Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## Right

Class «InformationType» in package 'S-121'

Right

Version 1.0 Phase 1.0 Proposed

kusal created on 28/01/2020. Last modified 05/02/2020

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization from «InformationType» Right to «InformationType» AbstractRRR  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| categoryOfRight : CategoryOfRight Public  Multiplicity: ( [0..1], Allow duplicates: 0, Is ordered: False )  [ Stereotype is «SimpleAttribute». Is static True. Containment is Not Specified. ] |

## CategoryOfResponsibility

Enumeration in package 'S-121'

CategoryOfResponsibility

Version 1.0 Phase 1.0 Proposed

kusal created on 06/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| Maintenance Responsibility : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## CategoryOfRestriction

Enumeration in package 'S-121'

CategoryOfRestriction

Version 1.0 Phase 1.0 Proposed

kusal created on 06/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| Access Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Jurisdiction Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Passage Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Resource Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Time Based Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Use Restriction : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## CategoryOfRight

Enumeration in package 'S-121'

CategoryOfRight

Version 1.0 Phase 1.0 Proposed

kusal created on 06/02/2020. Last modified 13/02/2020

| ATTRIBUTES |
| --- |
| Sovereignty : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Soveriegn Right : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Access Right : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Easement Right : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Harvest Right : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Contiguous Right : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## PartyGroupType

Enumeration in package 'S-121'

PartyGroupType

Version 1.0 Phase 1.0 Proposed

kusal created on 19/02/2020. Last modified 19/02/2020

| ATTRIBUTES |
| --- |
| Agreement : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |
| Association : Public  [ Stereotype is «enum». Is static True. Containment is Not Specified. ] |

## Text

Text in package 'S-121'

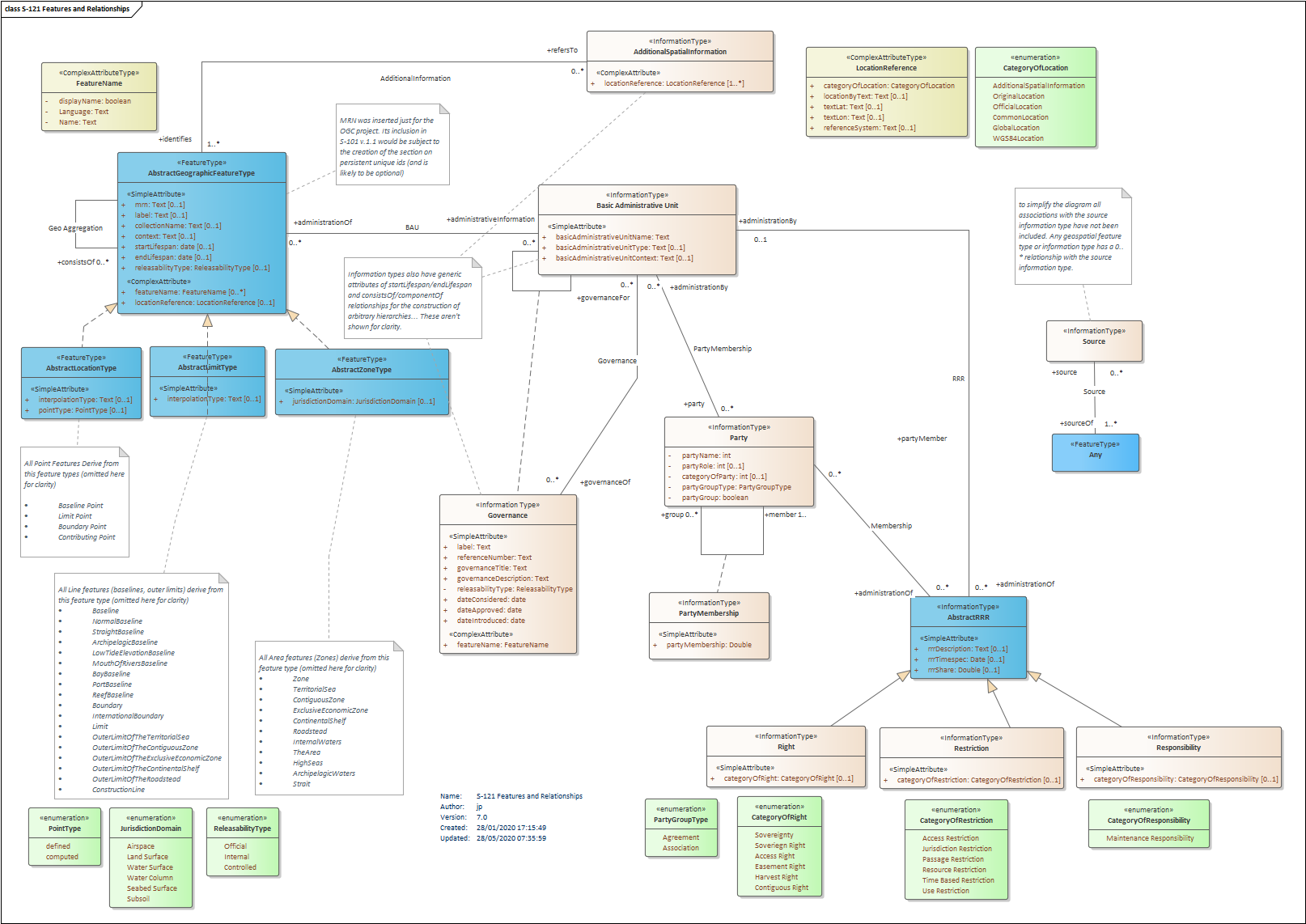
Text

Version 8.0 Phase 1.0 Proposed

kusal created on 13/02/2020. Last modified 12/06/2020

Extends

# Source Documentation



# GML Encoding Notes

This section details the implementation of the S-100 GML Profile used within the S-121 GML Application Schema and notes areas where this may differ from other GML formats in the S-100 ecosystem.

JP\_Notes (also from ER)

1. Use of MRN
2. Relationships
3. DCEG guidance
4. Use of GML 3.2.1
5. Geometry field – interoperability issues
6. References/absolute geometry
7. Members by group, not by inheritance

Structure of a dataset