<<S100_CodeList>>
ISO 3166-1

<<S100_CodeList>>
ISO 639-2

Inheritance

+subType
0..*

<<metaclass>>
$S100_GF_FeatureType$

0..1
+superType

$S100_GF_ObjectType$

<<metaclass>>
$S100_GF_InformationType$

0..1
+SuperType

0..*
0..*
+SubType

<<ComplexAttributeType>>
dateTimeRange

<<SimpleAttribute>>
+dateTimeStart : dateTime
+dateTimeEnd : dateTime

<<ComplexAttributeType>>
weatherWarningMessage

<<ComplexAttribute>>
+languageText : languageText

Sub-features will drive portrayal (separate colour polygons for attribute enumerated values 1; 2; 3; 4; 5) (separate internal symbols per FeatureType)

S412_Geometry

<<FeatureType>>
$WeatherWarning$

<<ComplexAttribute>>
+dateTimeRange : dateTimeRange
+weatherWarningMessage : weatherWarningMessage[0..1]

<<SimpleAttribute>>
+issuedDateTime : dateTime
+weatherWarningNumber : text
+cancellationDate : dateTime
+nextUpdateDateTime : dateTime

+informationProvidedFor

+dataProviderInformation

1

<<InformationType>>
DataProvider

<<ComplexAttribute>>
+issuingService : issuingService
+contactInformation : contactInformation
+preparationService : preparationService

DataProviderAssociation

Exactly one instance per dataset

<<ComplexAttributeType>>
contactInformation

<<SimpleAttribute>>
+agencyName : text
+mailingAddress : text[0..1]
+telephoneNumber : text [0..1]
+emailAddress : text [0..1]
+webAddress : text [0..1]

<<ComplexAttributeType>>
issuingService

<<ComplexAttribute>>
+issuingServiceName : text

<<SimpleAttribute>>
+countryName : text [0..1]
+mETAREAName : text

<<ComplexAttributeType>>
preparationService

<<ComplexAttribute>>
+issuingServiceName : text

<<SimpleAttribute>>
+countryName : text [0..1]

<<ComplexAttributeType>>
issuingServiceName

<<ComplexAttribute>>
+languageText : languageText

<<ComplexAttributeType>>
languageText

<<SimpleAttribute>>
+language : ISO 3166-1
+text : text

<<enumeration>>
mETAREAName

+METAREA I = 1
+METAREA II = 2
+METAREA III = 3
+METAREA IV = 4
+METAREA V = 5
+METAREA VI = 6
+METAREA VII = 7
+METAREA VIII = 8
+METAREA IX = 9
+METAREA X = 10
+METAREA XI = 11
+METAREA XII = 12
+METAREA XIII = 13
+METAREA XIV = 14
+METAREA XV = 15
+METAREA XVI = 16
+METAREA XVII = 17
+METAREA XVIII = 18
+METAREA XIX = 19
+METAREA XX = 20
+METAREA XXI = 21

0,*

<<FeatureType>>
ThunderstormWarning

<<SpatialAttribute>>
+geometry : surface [0..*]

<<FeatureType>>
WindWarning

<<SimpleAttribute>>
+windWarningThreshold : windWarningThreshold
+beaufortForce : beaufortForce[0..1]
+maximumWindSpeed : maximumWindSpeed

<<SpatialAttribute>>
+geometry : surface[0..*]

<<FeatureType>>
IceAccretionWarning

<<SimpleAttribute>>
+iceAccretionRate : iceAccretionRate
+sourceOfIcing : sourceOfIcing[0..1]

<<SpatialAttribute>>
+geometry : surface [0..*]

<<FeatureType>>
RetrictedVisibilityWarning

<<SpatialAttribute>>
+geometry : surface [0..*]

<<FeatureType>>
significantWaveHeightWarning

<<SimpleAttribute>>
+significantWaveHeightWarningThreshold : significantWaveHeightWarningThreshold

<<SpatialAttribute>>
+geometry : surface [0..*]

<<ComplexAttributeType>>
maximumWindSpeed

<<ComplexAttribute>>
+languageText : languageText

<<enumeration>>
iceAccretionRate

+moderateIcing = 1
+severeIcing = 2

<<enumeration>>
windWarningThreshold

+nearGaleForce = 1
+galeForce = 2
+stormForce = 3
+hurricaneForce = 4

<<enumeration>>
sourceOfIcing

+freezingSpray = 1
+freezingRain = 2
+freezingFog = 3
+otherIcingSource = 4

<<enumeration>>
significantWaveHeightWarningThreshold

+two and a half to four metres = 1
+four to six metres = 2
+six to nine metres = 3
+nine to fourteen metres = 4
+greater than fourteen metres = 5

<<enumeration>>
beaufortForce

+calm = 99
+light air = 1
+light breeze = 2
+gentle breeze = 3
+moderate breeze = 4
+fresh breeze = 5
+strong breeze = 6
+near gale = 7
+gale = 8
+strong gale = 9
+storm = 10
+violent storm = 11
+hurricane = 12