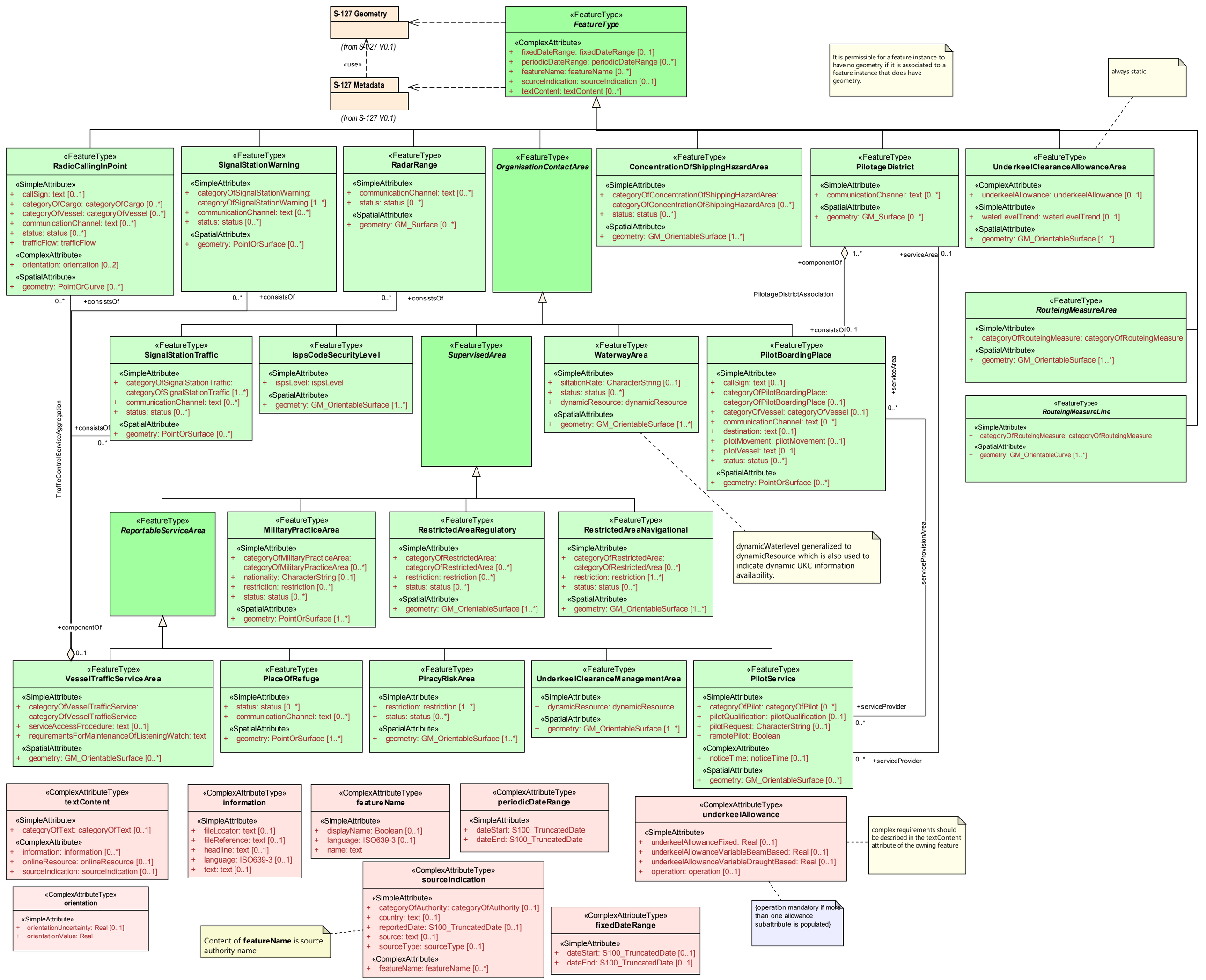
S-127 Geometry
(from S-127 V0.1)
«use»
S-127 Metadata
(from S-127 V0.1)
«FeatureType»
FeatureType
«ComplexAttribute»
+ fixedDateRange: fixedDateRange [0..1]
+ periodicDateRange: periodicDateRange [0..*]
+ featureName: featureName [0..*]
+ sourceIndication: sourceIndication [0..1]
+ textContent: textContent [0..*]
It is permissible for a feature instance to have no geometry if it is associated to a feature instance that does have geometry.
always static
«FeatureType»
RadioCallingInPoint
«SimpleAttribute»
+ callSign: text [0..1]
+ categoryOfCargo: categoryOfCargo [0..*]
+ categoryOfVessel: categoryOfVessel [0..*]
+ communicationChannel: text [0..*]
+ status: status [0..*]
+ trafficFlow: trafficFlow
«ComplexAttribute»
+ orientation: orientation [0..2]
«SpatialAttribute»
+ geometry: PointOrCurve [0..*]
«FeatureType»
SignalStationWarning
«SimpleAttribute»
+ categoryOfSignalStationWarning: categoryOfSignalStationWarning [1..*]
+ communicationChannel: text [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: PointOrSurface [0..*]
«FeatureType»
RadarRange
«SimpleAttribute»
+ communicationChannel: text [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: GM_Surface [0..*]
«FeatureType»
OrganisationContactArea
«FeatureType»
ConcentrationOfShippingHazardArea
«SimpleAttribute»
+ categoryOfConcentrationOfShippingHazardArea: categoryOfConcentrationOfShippingHazardArea [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
PilotageDistrict
«SimpleAttribute»
+ communicationChannel: text [0..*]
«SpatialAttribute»
+ geometry: GM_Surface [0..*]
«FeatureType»
UnderkeelClearanceAllowanceArea
«ComplexAttribute»
+ underkeelAllowance: underkeelAllowance [0..1]
«SimpleAttribute»
+ waterLevelTrend: waterLevelTrend [0..1]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
0..*
+consistsOf
0..*
+consistsOf
0..*
+consistsOf
+componentOf
1..*
+serviceArea
0..1
PilotageDistrictAssociation
+consistsOf
0..1
«FeatureType»
RouteingMeasureArea
«SimpleAttribute»
+ categoryOfRouteingMeasure: categoryOfRouteingMeasure
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
RouteingMeasureLine
«SimpleAttribute»
+ categoryOfRouteingMeasure: categoryOfRouteingMeasure
«SpatialAttribute»
+ geometry: GM_OrientableCurve [1..*]
«FeatureType»
SignalStationTraffic
«SimpleAttribute»
+ categoryOfSignalStationTraffic: categoryOfSignalStationTraffic [1..*]
+ communicationChannel: text [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: PointOrSurface [0..*]
«FeatureType»
IspsCodeSecurityLevel
«SimpleAttribute»
+ ispsLevel: ispsLevel
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
SupervisedArea
«FeatureType»
WaterwayArea
«SimpleAttribute»
+ siltationRate: CharacterString [0..1]
+ status: status [0..*]
+ dynamicResource: dynamicResource
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
PilotBoardingPlace
«SimpleAttribute»
+ callSign: text [0..1]
+ categoryOfPilotBoardingPlace: categoryOfPilotBoardingPlace [0..1]
+ categoryOfVessel: categoryOfVessel [0..1]
+ communicationChannel: text [0..*]
+ destination: text [0..1]
+ pilotMovement: pilotMovement [0..1]
+ pilotVessel: text [0..1]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: PointOrSurface [0..*]
+serviceArea
0..*
TrafficControlServiceAggregation
+consistsOf
0..*
serviceProvisionArea
dynamicWaterlevel generalized to dynamicResource which is also used to indicate dynamic UKC information availability.
«FeatureType»
ReportableServiceArea
«FeatureType»
MilitaryPracticeArea
«SimpleAttribute»
+ categoryOfMilitaryPracticeArea: categoryOfMilitaryPracticeArea [0..*]
+ nationality: CharacterString [0..1]
+ restriction: restriction [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: PointOrSurface [1..*]
«FeatureType»
RestrictedAreaRegulatory
«SimpleAttribute»
+ categoryOfRestrictedArea: categoryOfRestrictedArea [0..*]
+ restriction: restriction [0..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
RestrictedAreaNavigational
«SimpleAttribute»
+ categoryOfRestrictedArea: categoryOfRestrictedArea [0..*]
+ restriction: restriction [1..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
+componentOf
0..1
«FeatureType»
VesselTrafficServiceArea
«SimpleAttribute»
+ categoryOfVesselTrafficService: categoryOfVesselTrafficService
+ serviceAccessProcedure: text [0..1]
+ requirementsForMaintenanceOfListeningWatch: text
«SpatialAttribute»
+ geometry: GM_OrientableSurface [0..*]
«FeatureType»
PlaceOfRefuge
«SimpleAttribute»
+ status: status [0..*]
+ communicationChannel: text [0..*]
«SpatialAttribute»
+ geometry: PointOrSurface [1..*]
«FeatureType»
PiracyRiskArea
«SimpleAttribute»
+ restriction: restriction [1..*]
+ status: status [0..*]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
UnderkeelClearanceManagementArea
«SimpleAttribute»
+ dynamicResource: dynamicResource
«SpatialAttribute»
+ geometry: GM_OrientableSurface [1..*]
«FeatureType»
PilotService
«SimpleAttribute»
+ categoryOfPilot: categoryOfPilot [0..*]
+ pilotQualification: pilotQualification [0..1]
+ pilotRequest: CharacterString [0..1]
+ remotePilot: Boolean
«ComplexAttribute»
+ noticeTime: noticeTime [0..1]
«SpatialAttribute»
+ geometry: GM_OrientableSurface [0..*]
+serviceProvider
0..*
0..*
+serviceProvider
«ComplexAttributeType»
textContent
«SimpleAttribute»
+ categoryOfText: categoryOfText [0..1]
«ComplexAttribute»
+ information: information [0..*]
+ onlineResource: onlineResource [0..1]
+ sourceIndication: sourceIndication [0..1]
«ComplexAttributeType»
information
«SimpleAttribute»
+ fileLocator: text [0..1]
+ fileReference: text [0..1]
+ headline: text [0..1]
+ language: ISO639-3 [0..1]
+ text: text [0..1]
«ComplexAttributeType»
featureName
«SimpleAttribute»
+ displayName: Boolean [0..1]
+ language: ISO639-3 [0..1]
+ name: text
«ComplexAttributeType»
periodicDateRange
«SimpleAttribute»
+ dateStart: S100_TruncatedDate
+ dateEnd: S100_TruncatedDate
«ComplexAttributeType»
underkeelAllowance
«SimpleAttribute»
+ underkeelAllowanceFixed: Real [0..1]
+ underkeelAllowanceVariableBeamBased: Real [0..1]
+ underkeelAllowanceVariableDraughtBased: Real [0..1]
+ operation: operation [0..1]
complex requirements should be described in the textContent attribute of the owning feature
{operation mandatory if more than one allowance subattribute is populated}
«ComplexAttributeType»
orientation
«SimpleAttribute»
+ orientationUncertainty: Real [0..1]
+ orientationValue: Real
Content of featureName is source authority name
«ComplexAttributeType»
sourceIndication
«SimpleAttribute»
+ categoryOfAuthority: categoryOfAuthority [0..1]
+ country: text [0..1]
+ reportedDate: S100_TruncatedDate [0..1]
+ source: text [0..1]
+ sourceType: sourceType [0..1]
«ComplexAttribute»
+ featureName: featureName [0..*]
«ComplexAttributeType»
fixedDateRange
«SimpleAttribute»
+ dateStart: S100_TruncatedDate [0..1]
+ dateEnd: S100_TruncatedDate [0..1]