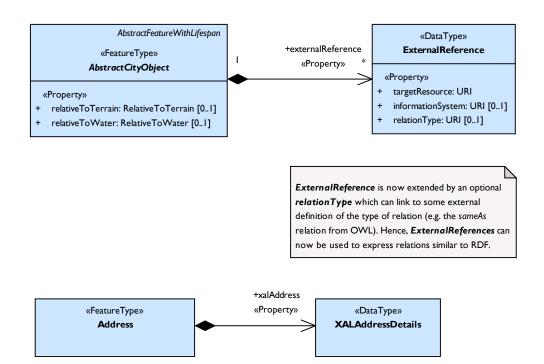


Core module - Miscellaneous



Core module - Basic Types and Enumerations

«enumeration»

RelativeToTerrain

entirelyAboveTerrain substantiallyAboveTerrain substantiallyAboveAndBelowTerrain substantiallyBelowTerrain entirelyBelowTerrain

«enumeration»

RelativeToWater

entirelyAboveWaterSurface substantiallyAboveWaterSurface substantiallyAboveAndBelowWaterSurface substantiallyBelowWaterSurface entirelyBelowWaterSurface temporarilyAboveAndBelowWaterSurface

«enumeration» BoundaryRelationType

disjoint equal touch overlap covers coveredBy inside

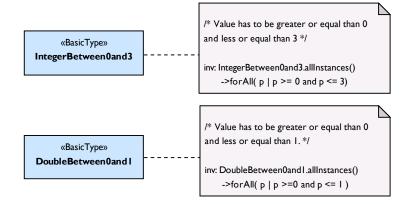
contains

«enumeration» SpaceRelationType

disjoint
equal
touch
overlap
covers
coveredBy
inside
contains

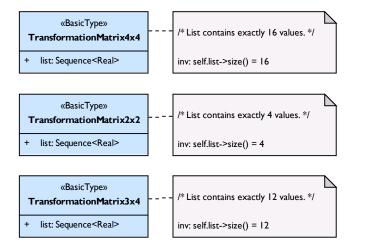
«enumeration» SpaceType

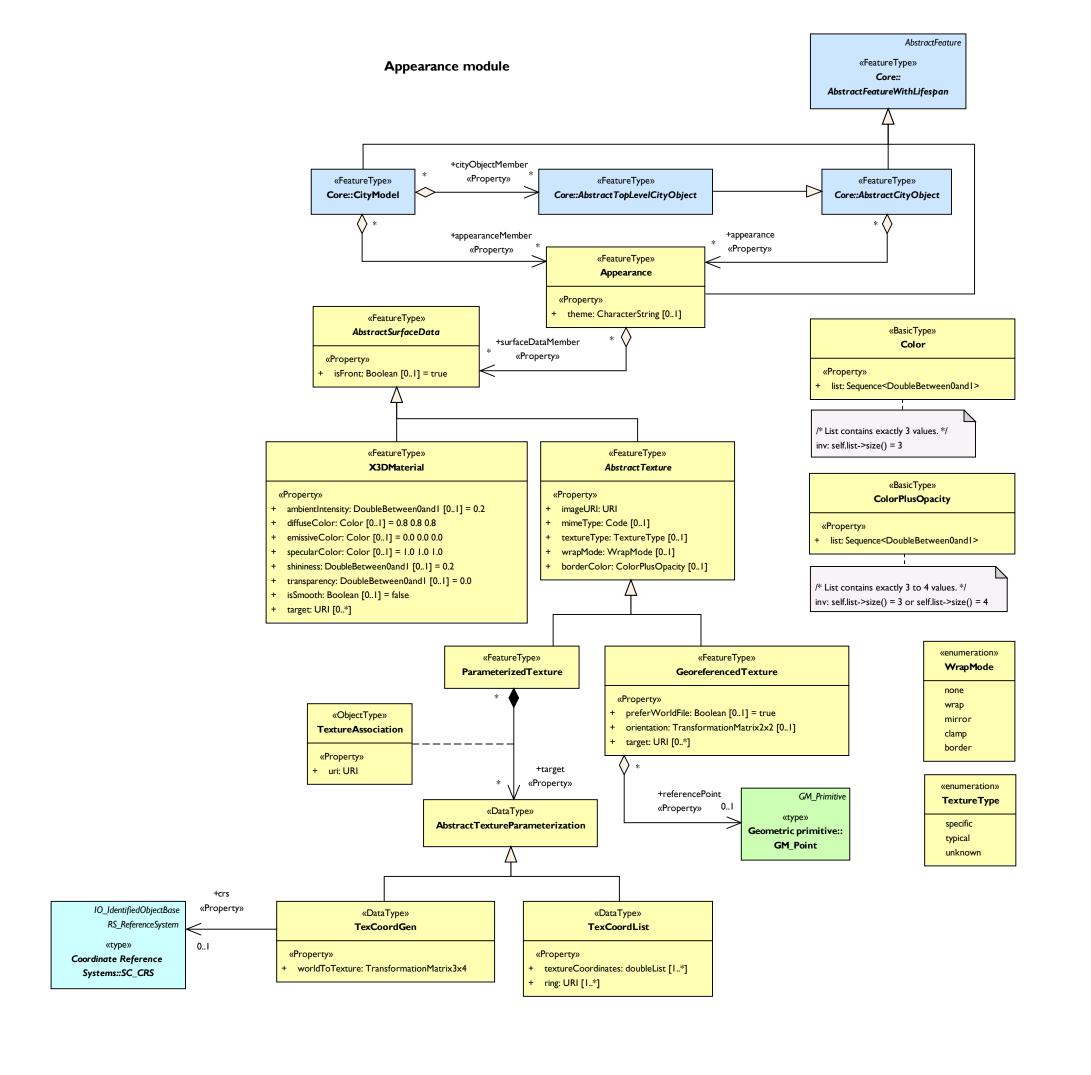
closed open semiOpen

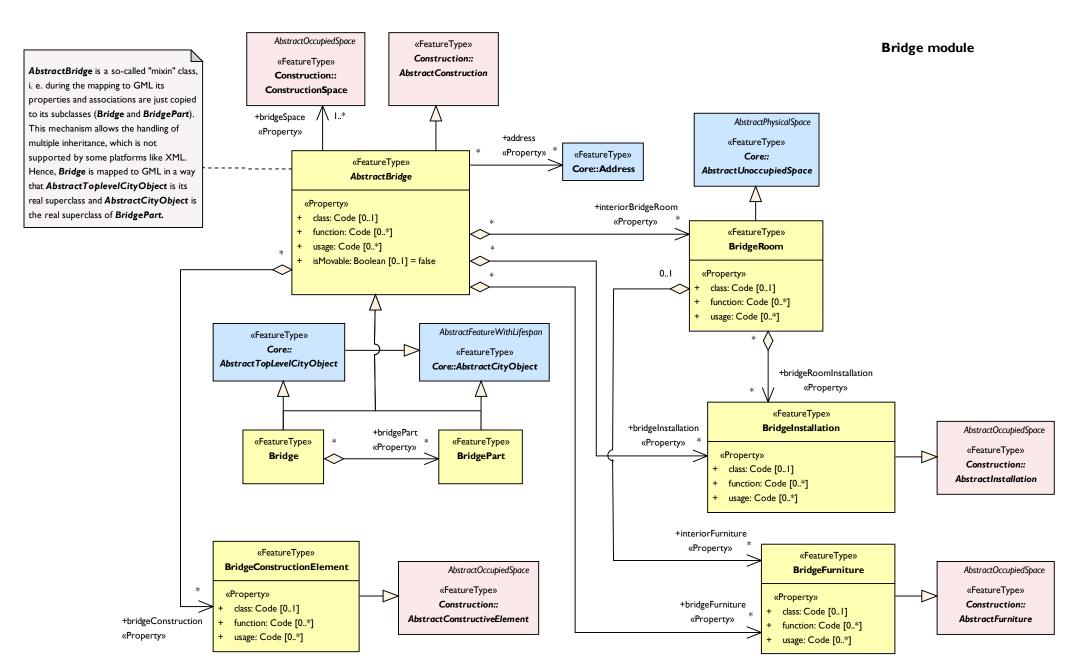


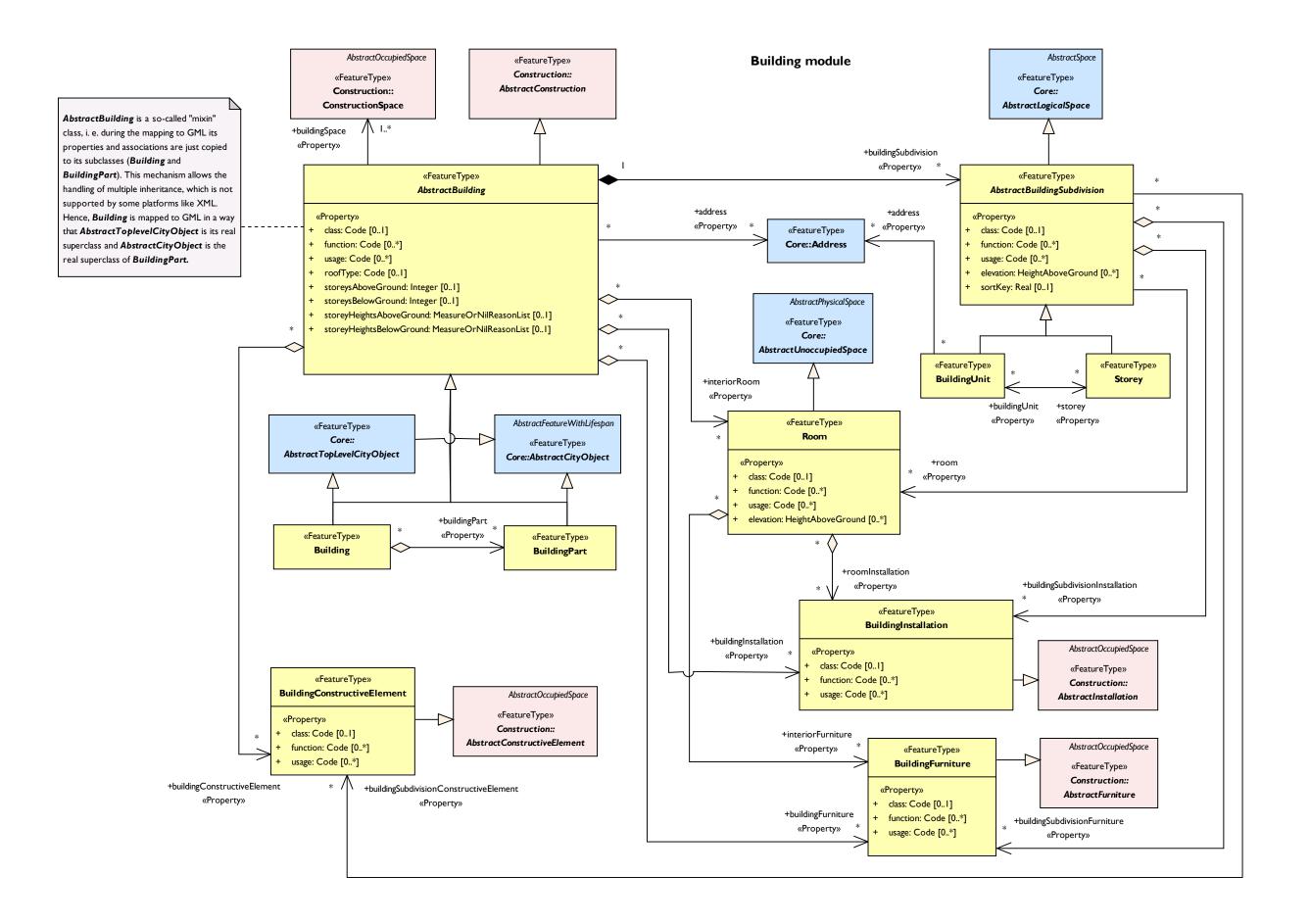
«BasicType» DoubleBetween0and1List

+ list: Sequence<DoubleBetween0and1>

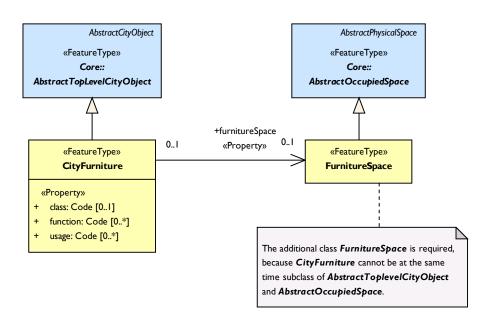




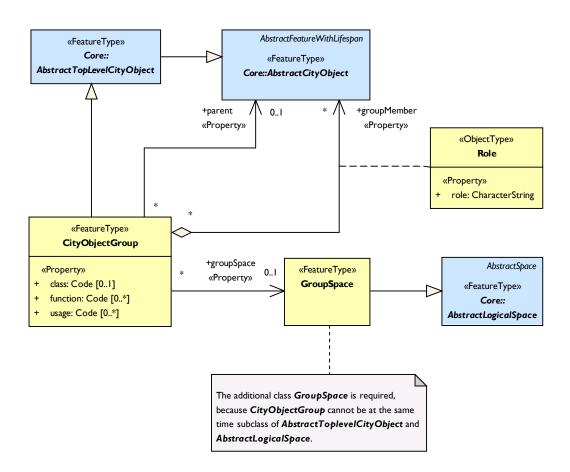


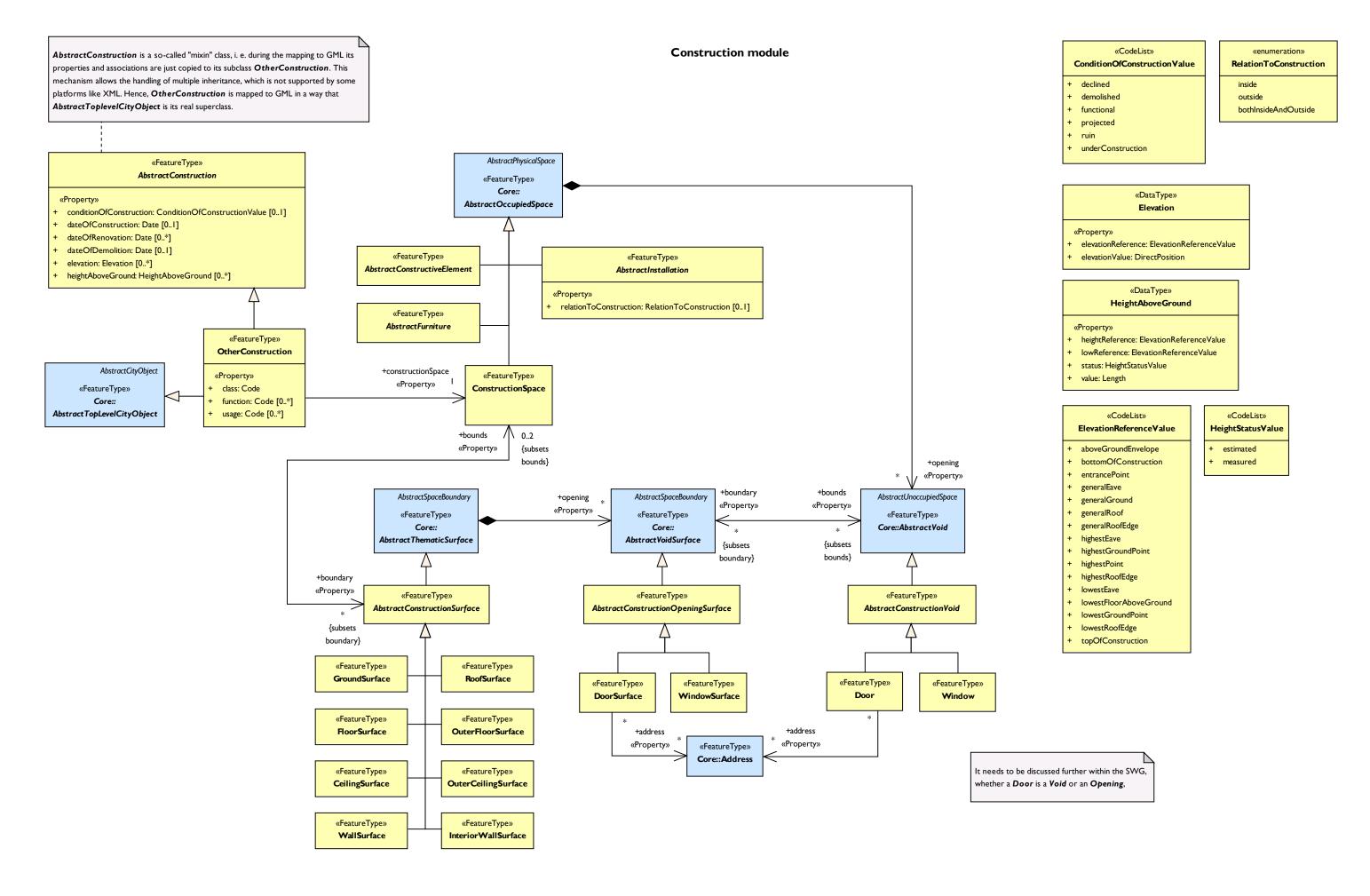


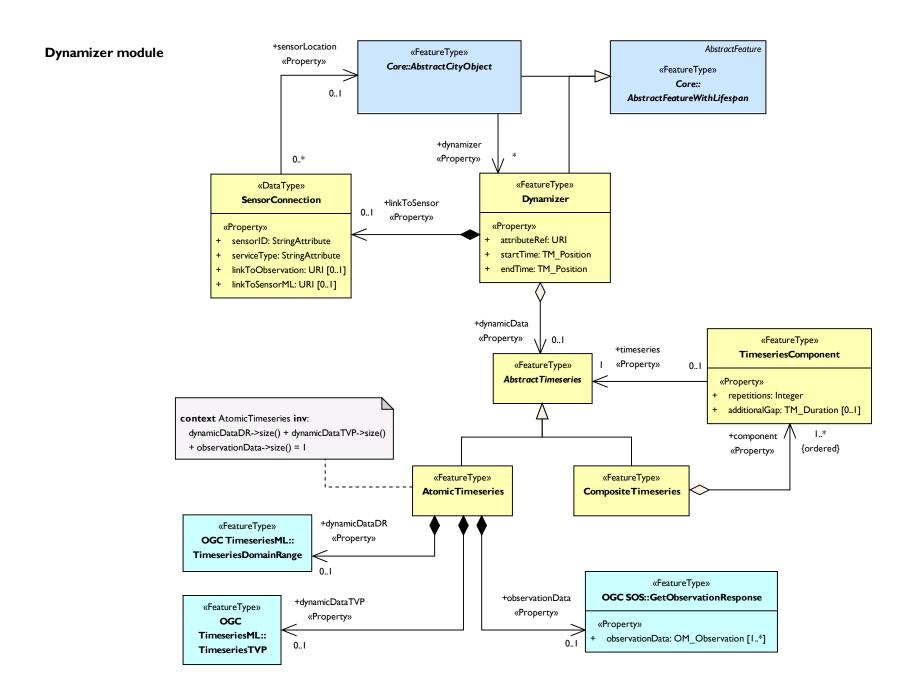
CityFurniture module

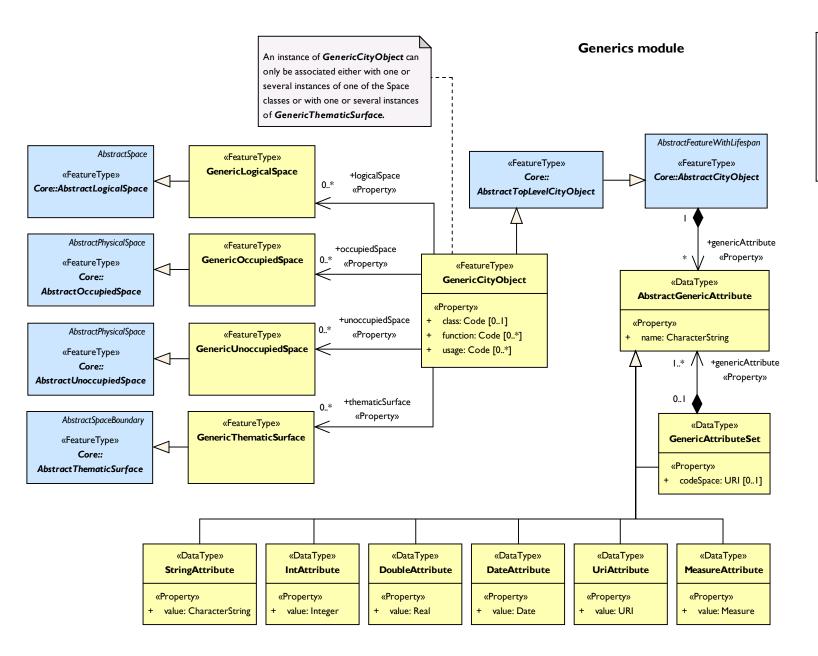


CityObjectGroup module



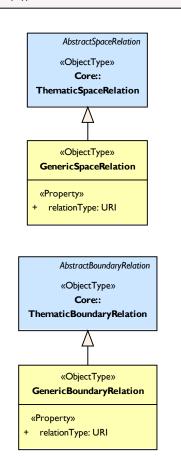




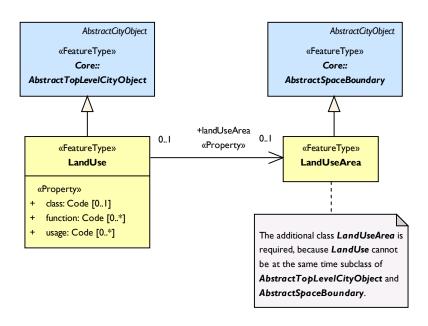


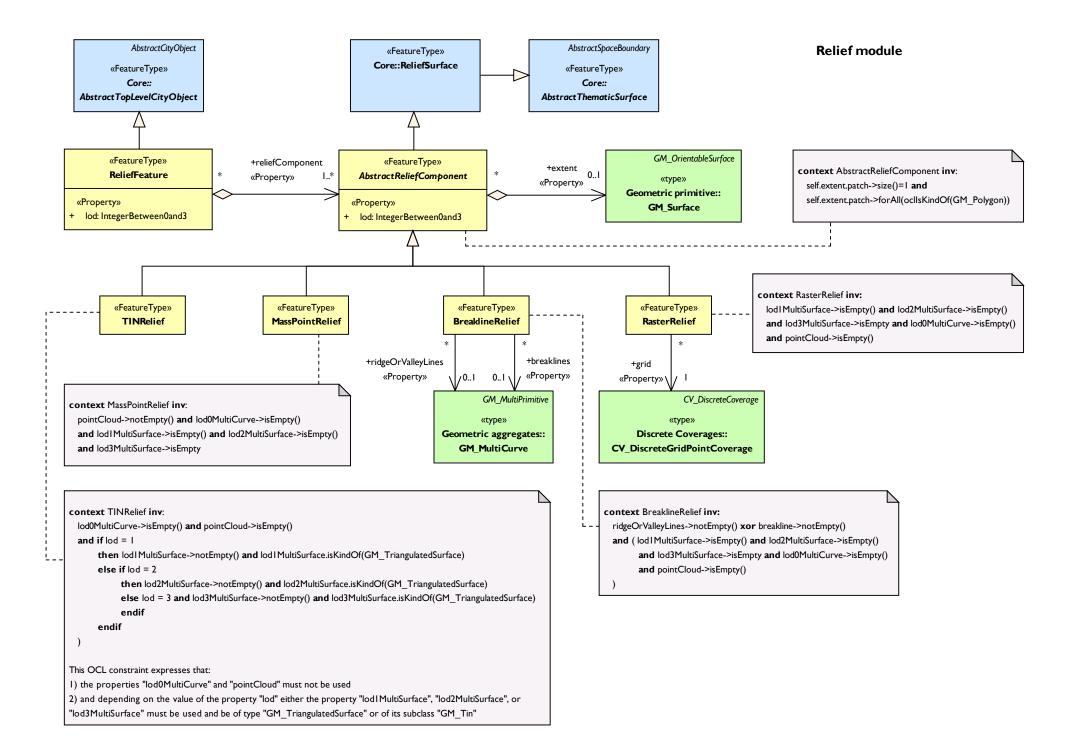
The GenericSpaceRelation and

GenericBoundaryRelation can be used to represent an arbitrary relationship between two spaces or two space boundaries respectively. The relation type is expressed by an URI. Such relations could directly be mapped to RDF triples, where the source is pointing to the source space object, the target to the target space object, and the relation type is pointing to a definition of a relationship type in the Web.

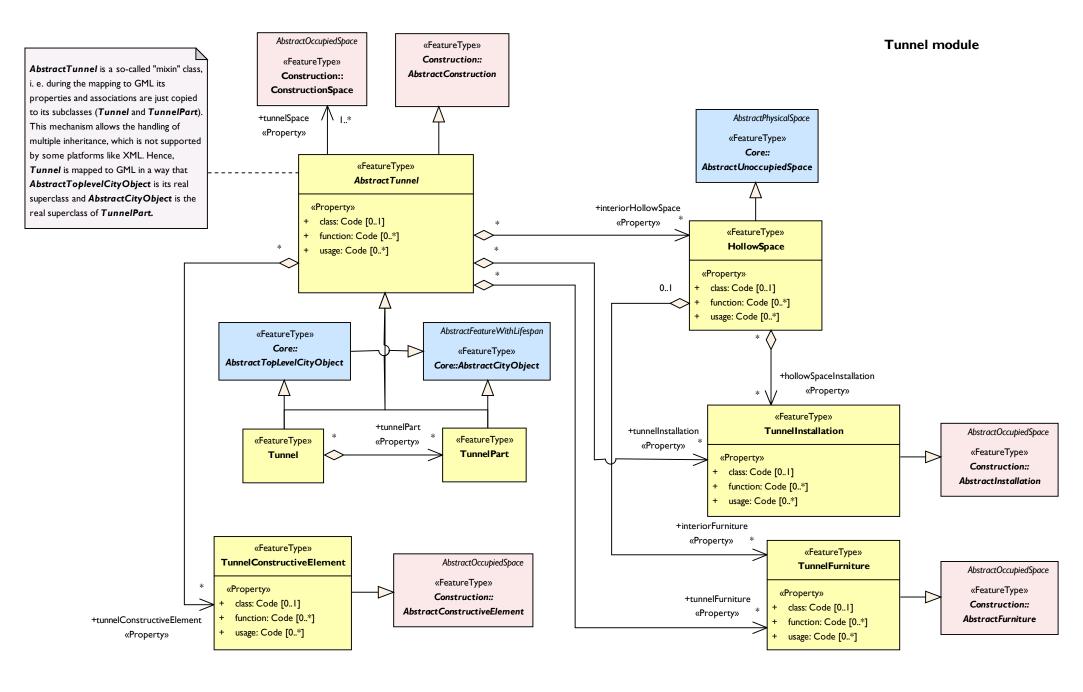


LandUse module

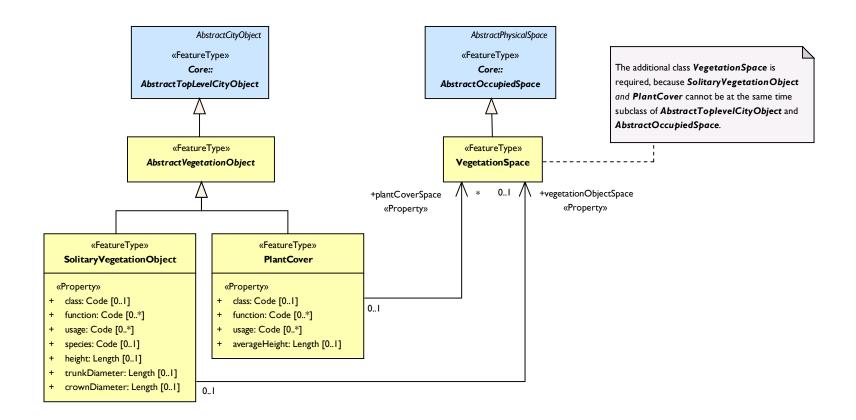


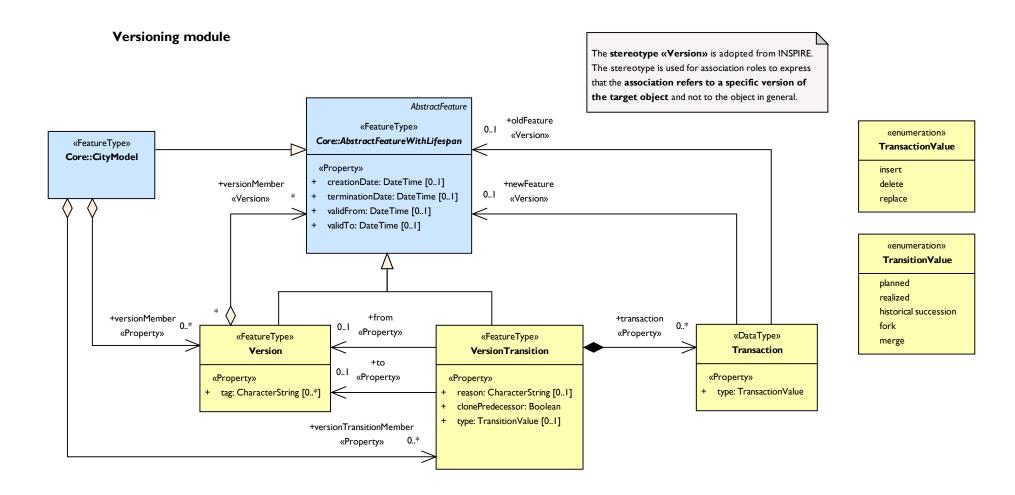


Transportation module AbstractSpace «FeatureType» Core:: «FeatureType» AbstractUnoccupiedSpace Core:: AbstractPhysicalSpace AbstractFeatureWithLifespan «FeatureType» «FeatureType» ClearanceSpace Core::AbstractCityObject «FeatureType» «Property» TransportationSpace class: Code [0..*] «Property» +clearanceSpace +transportationSpace «FeatureType» class: Code «Property» «Property» Core:: function: Code [0..*] AbstractTopLevelCityObject usage: Code [0..*] +trafficSpace «Property» +predecessor «FeatureType» «FeatureType» «FeatureType» «Property» * **TrafficSpace** AuxiliaryTrafficSpace **TransportationComplex** +auxiliaryTrafficSpace +successor «Property» +lod0Network «Property» «Property» +lod3Network «Property» «Property» * + class: Code [0..1] class: Code [0..1] «Property» «Property» class: Code [0..1] function: Code [0..*] function: Code [0..*] function: Code [0..*] +lod2Network +lod I Network usage: Code [0..*] usage: Code [0..*] usage: Code [0..*] «Property» «Property» surfaceMaterial: Code [0..1] + surfaceMaterial: Code [0..1] 0..1 0..1 +bounds 0..1 GM_Object «Property» {subsets bounds} «type» +boundary Geometric complex:: «Property» \// {subsets boundary} GM Complex «FeatureType» «FeatureType» **Track S**quare «FeatureType» AbstractSpaceBoundary **TrafficArea** +hole «Property» «FeatureType» «FeatureType» «FeatureType» «FeatureType» «Property» Road Railway Core:: Hole class: Code [0..1] +section **AbstractThematicSurface** function: Code [0..*] «Property» \ / * +section usage: Code [0..*] «FeatureType» «FeatureType» «Property» «FeatureType» Drain Manhole Section +section «Property» «Property» «FeatureType» trafficFlow: Integer RoadwayDamage



Vegetation module





WaterBody module

