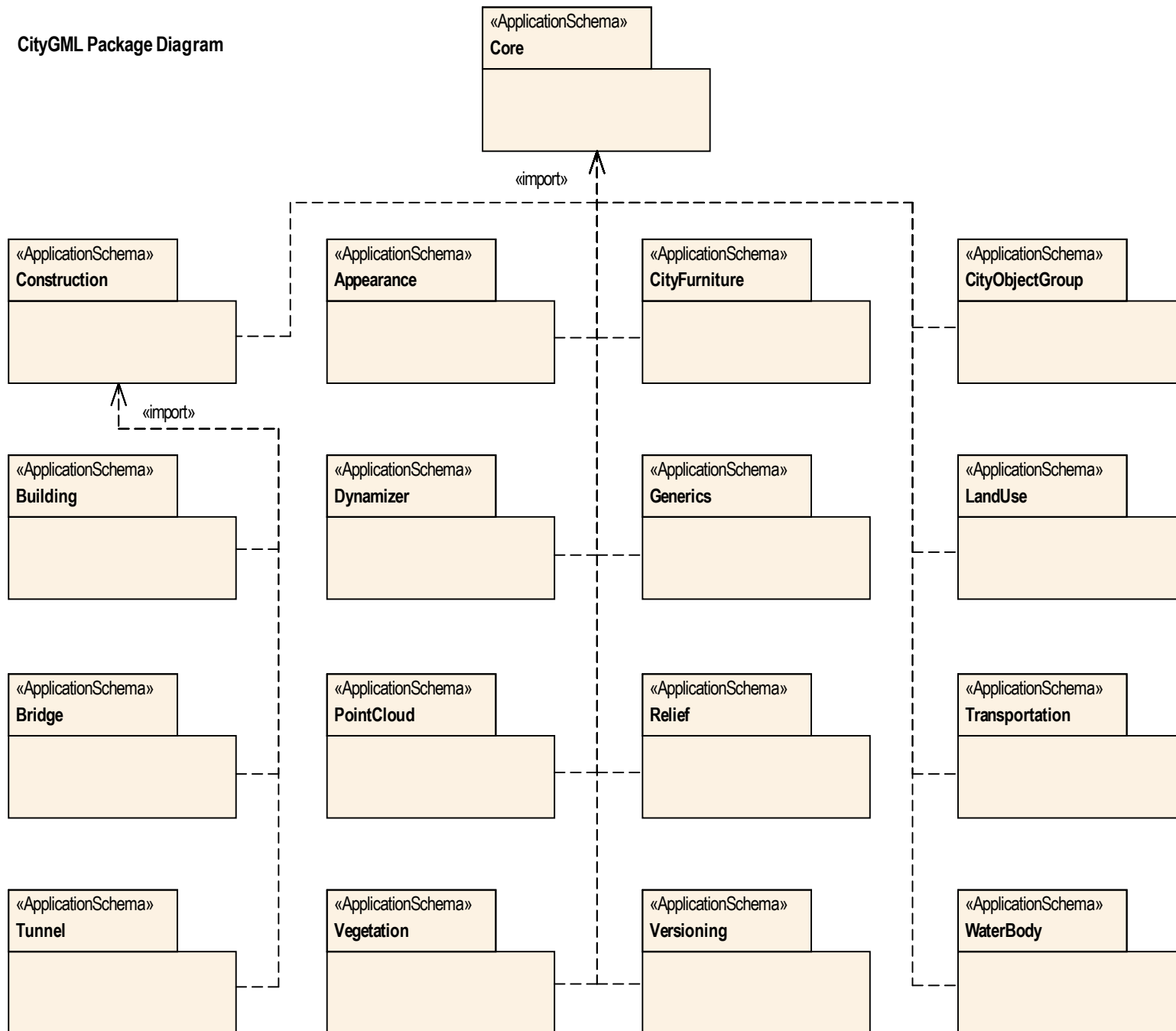
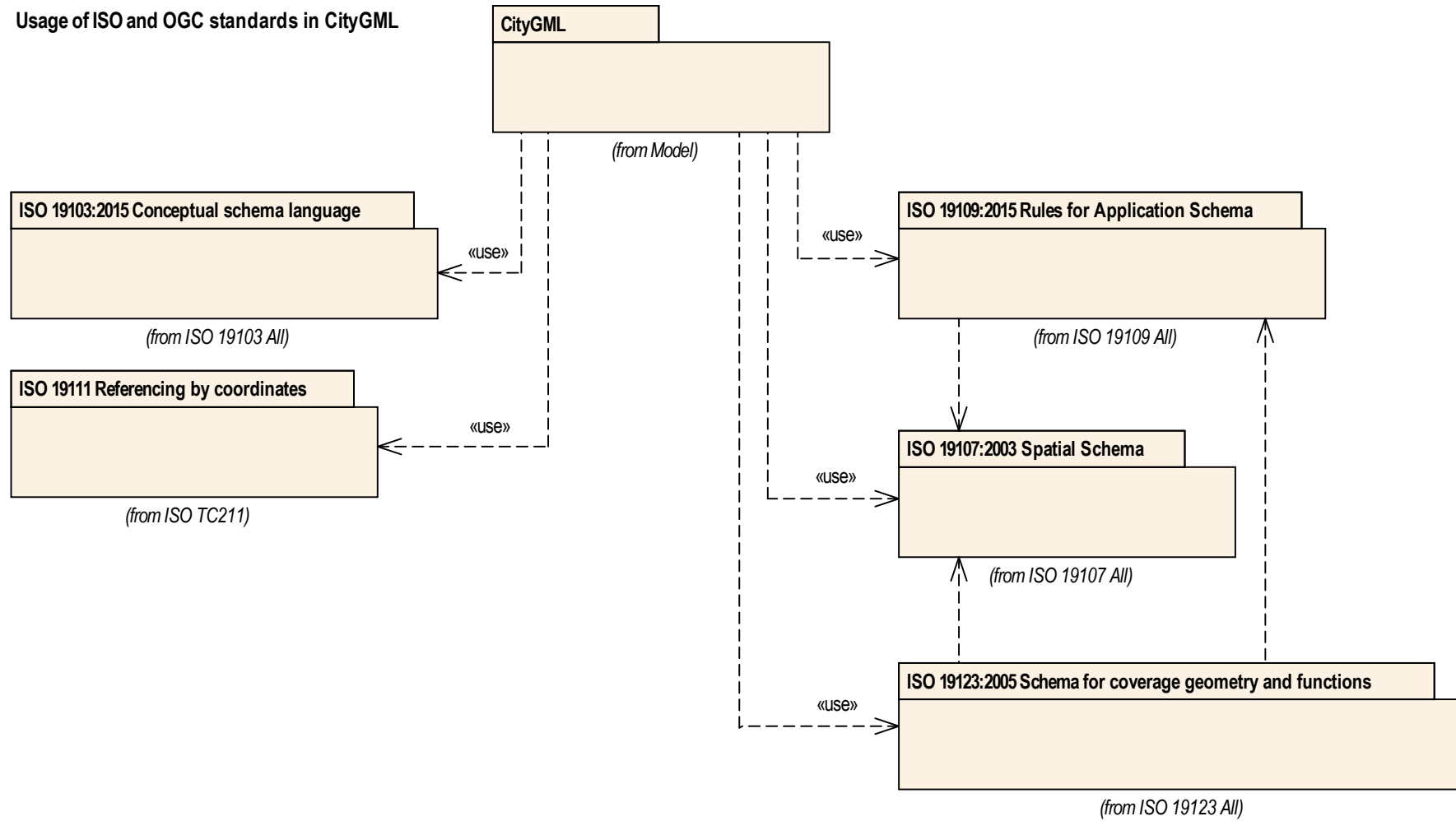


CityGML Package Diagram



## Usage of ISO and OGC standards in CityGML



### Color Scheme

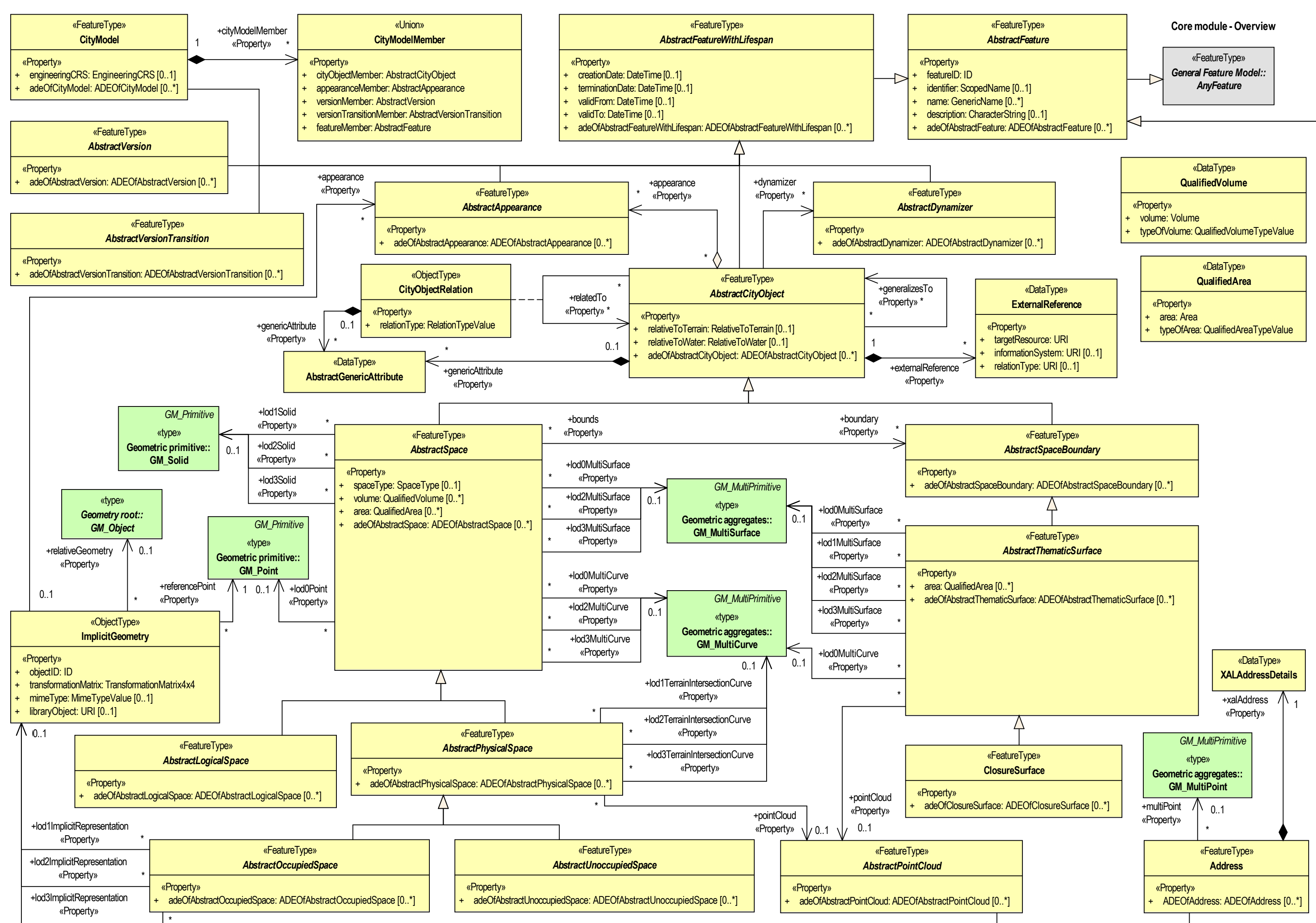
Class defined in this  
Requirements Class

Class defined in another  
Requirements Class

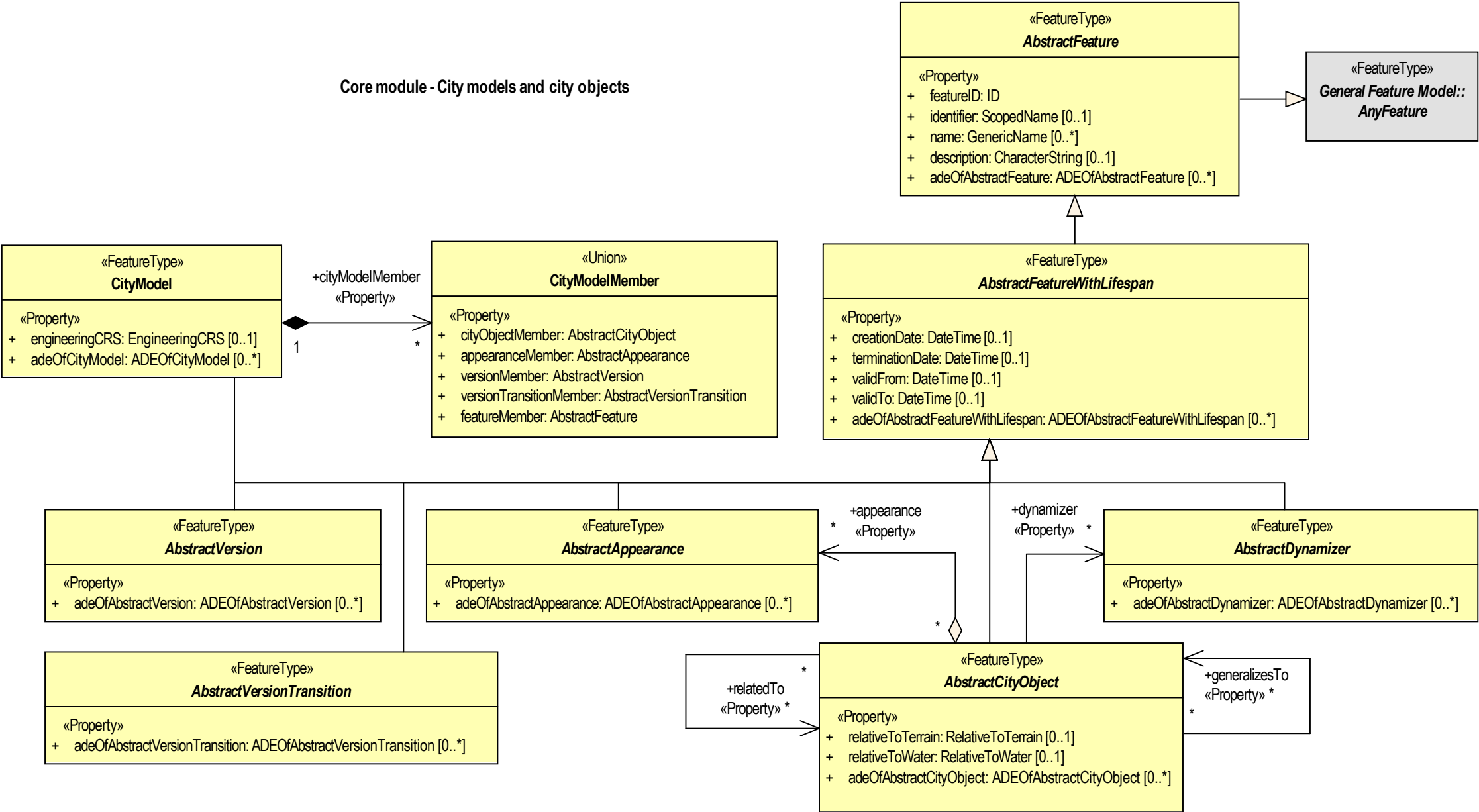
Class defined in ISO 19107,  
ISO 19111 or ISO 19123

Class defined in ISO 19109

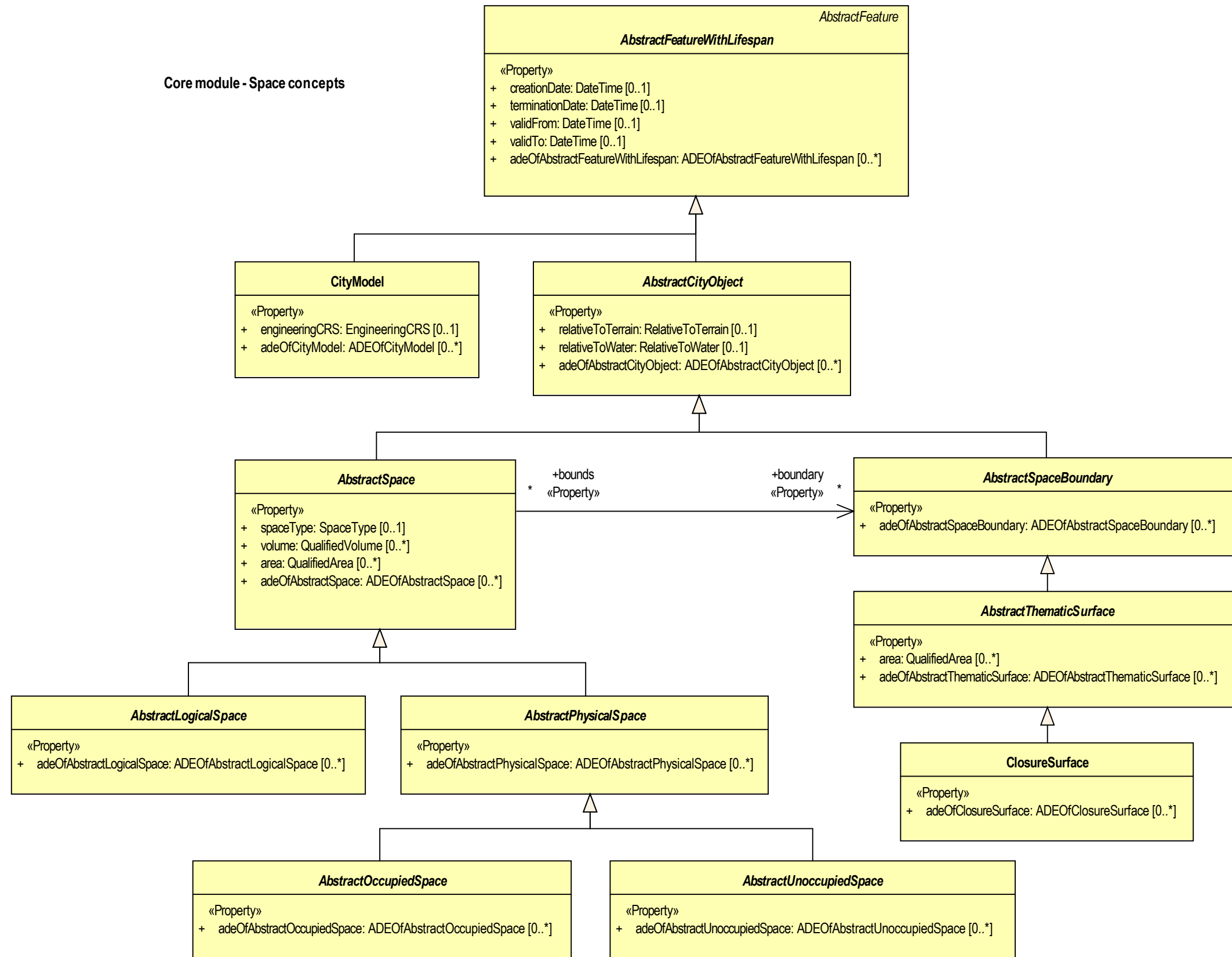
Notes and OCL constraints



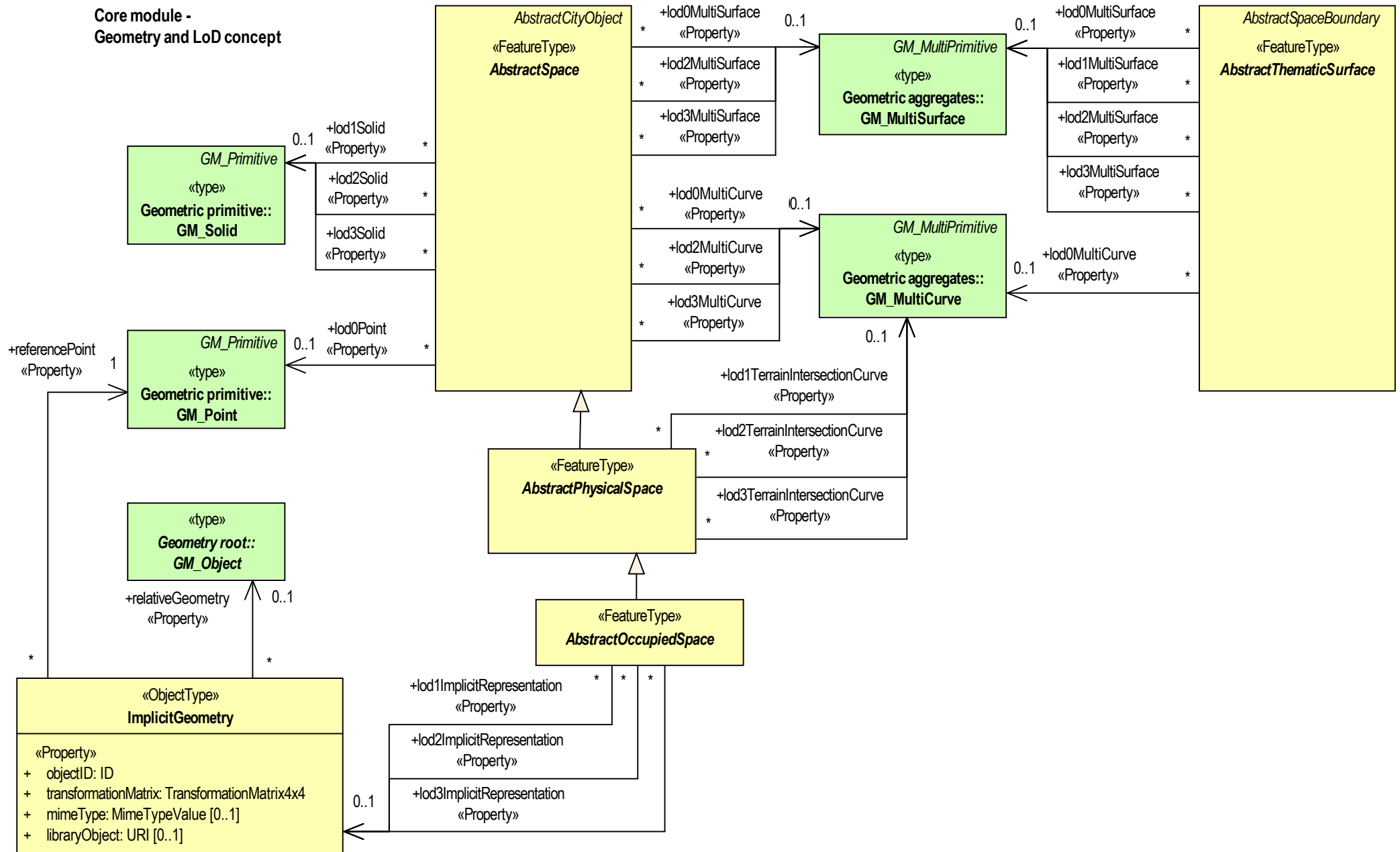
Core module - City models and city objects



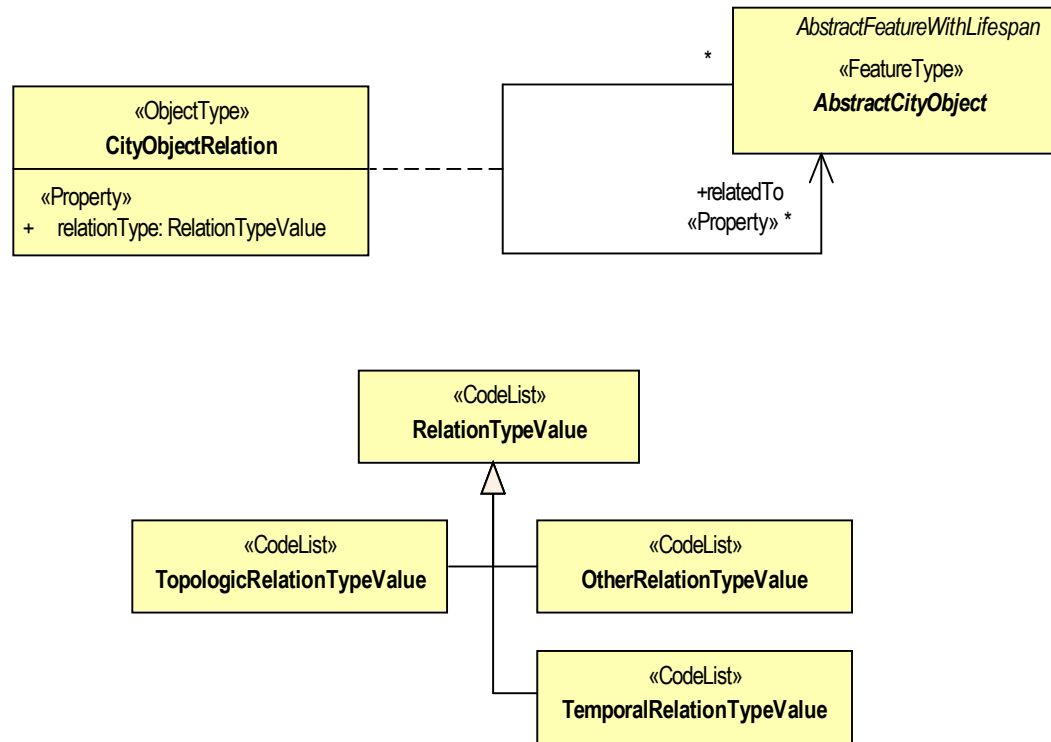
Core module - Space concepts



**Core module -  
Geometry and LoD concept**

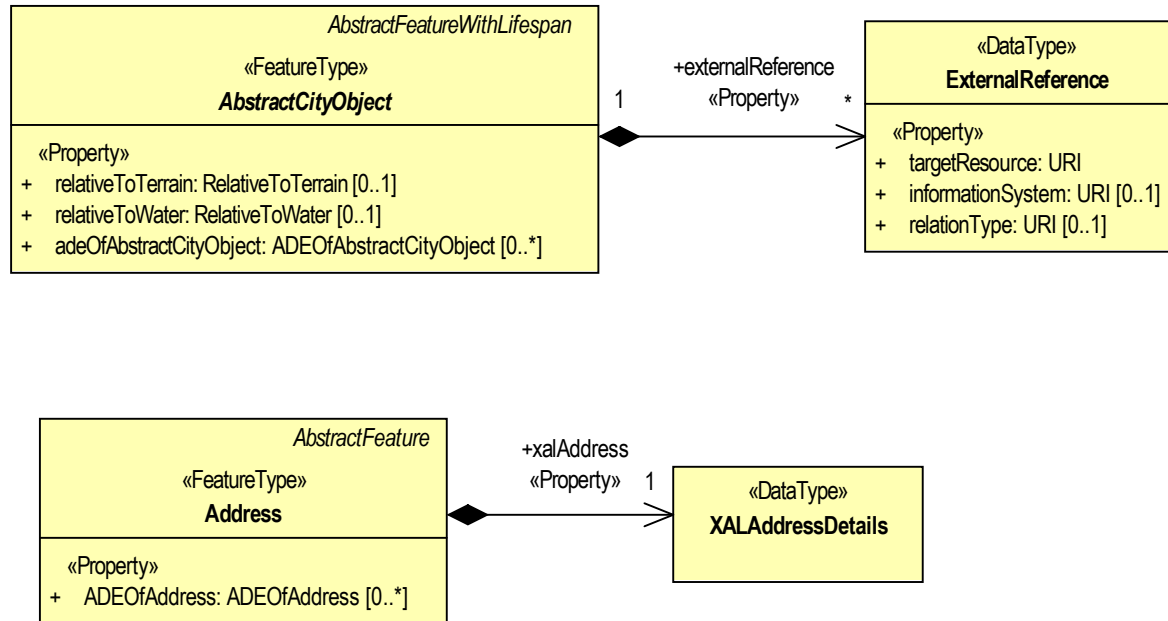


### Core module - City object relations

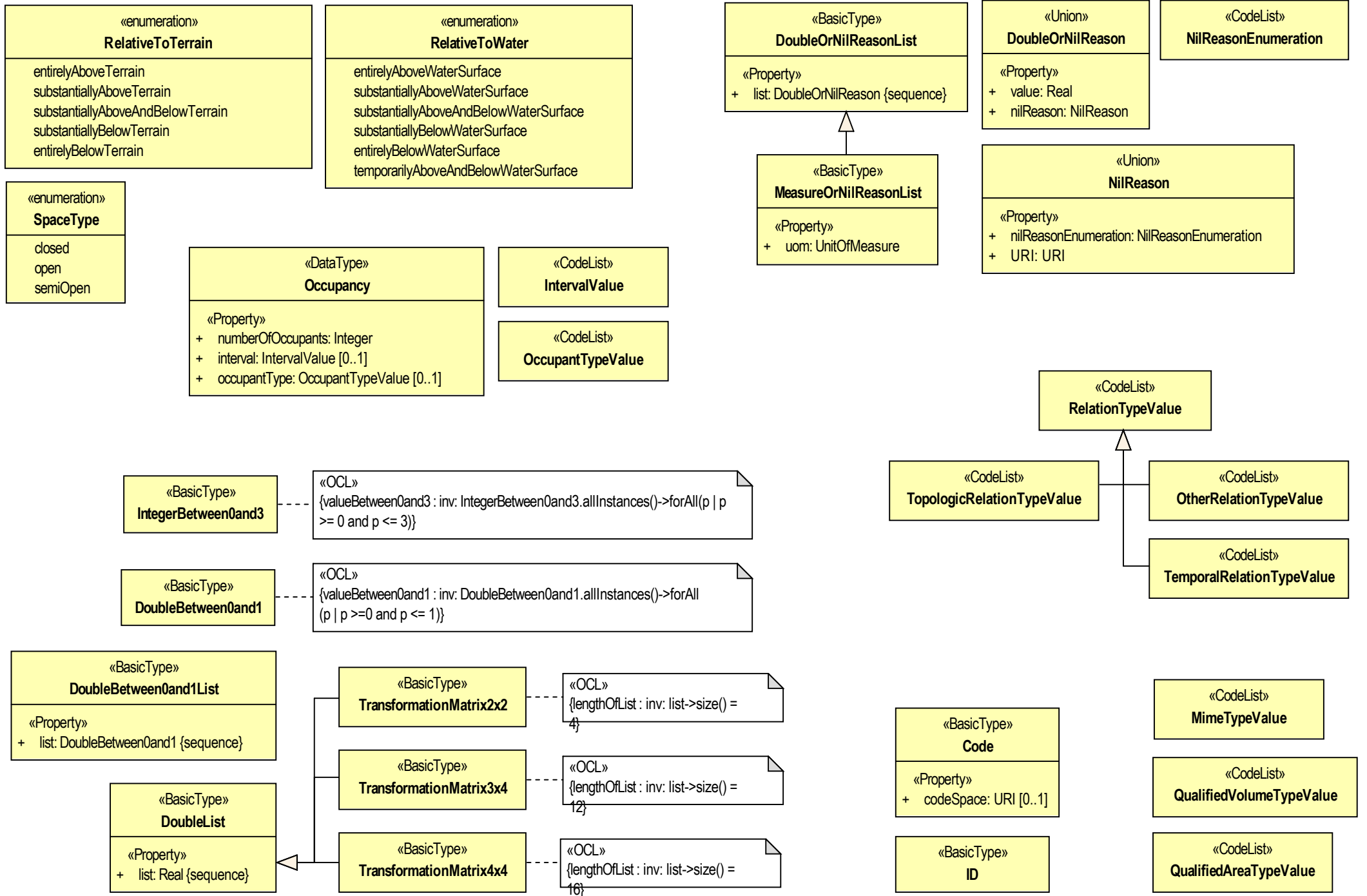




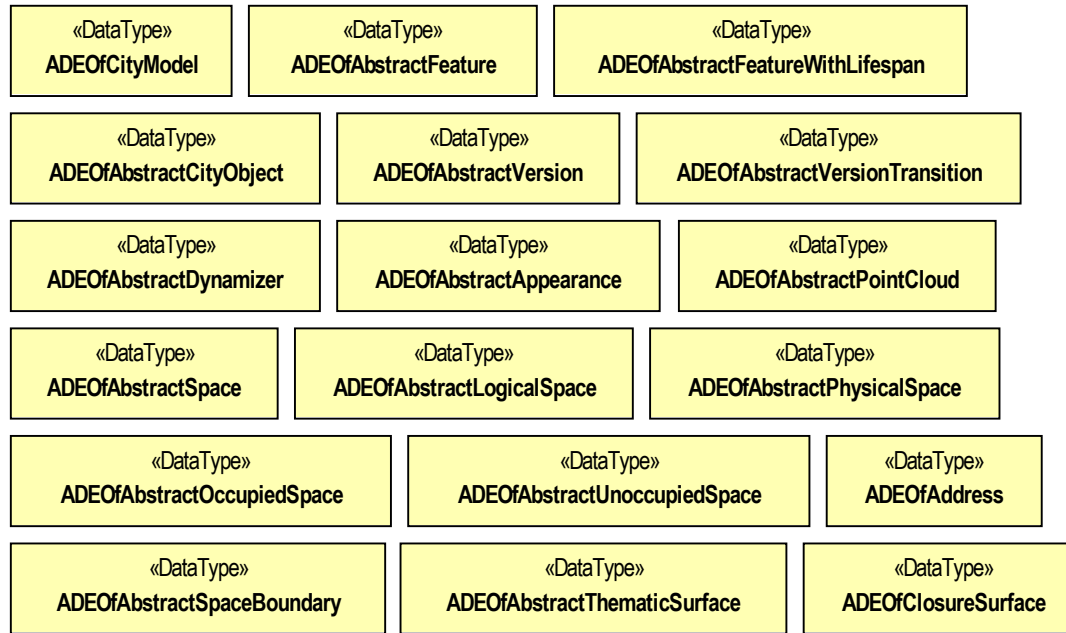
## Core module - Miscellaneous

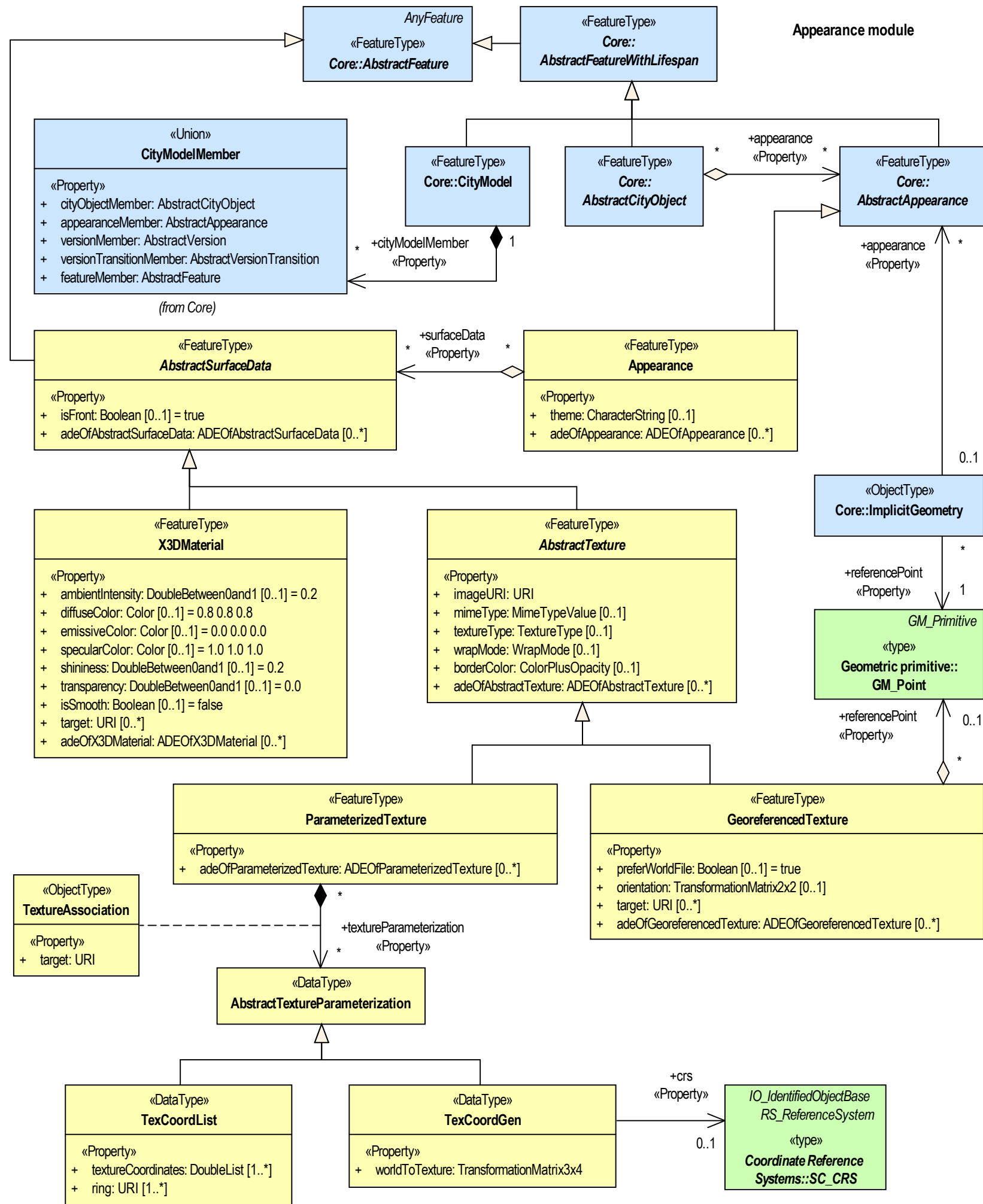


## Core module - Basic Types, Enumerations, and Code lists

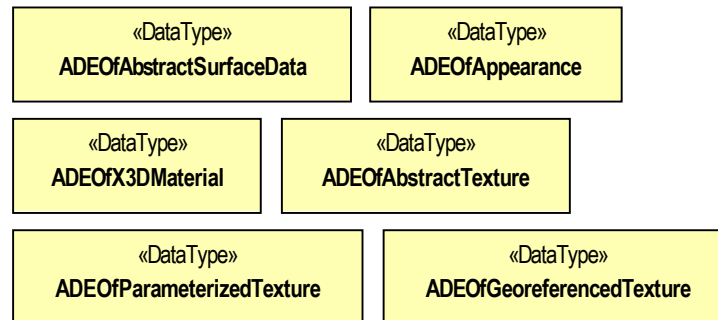


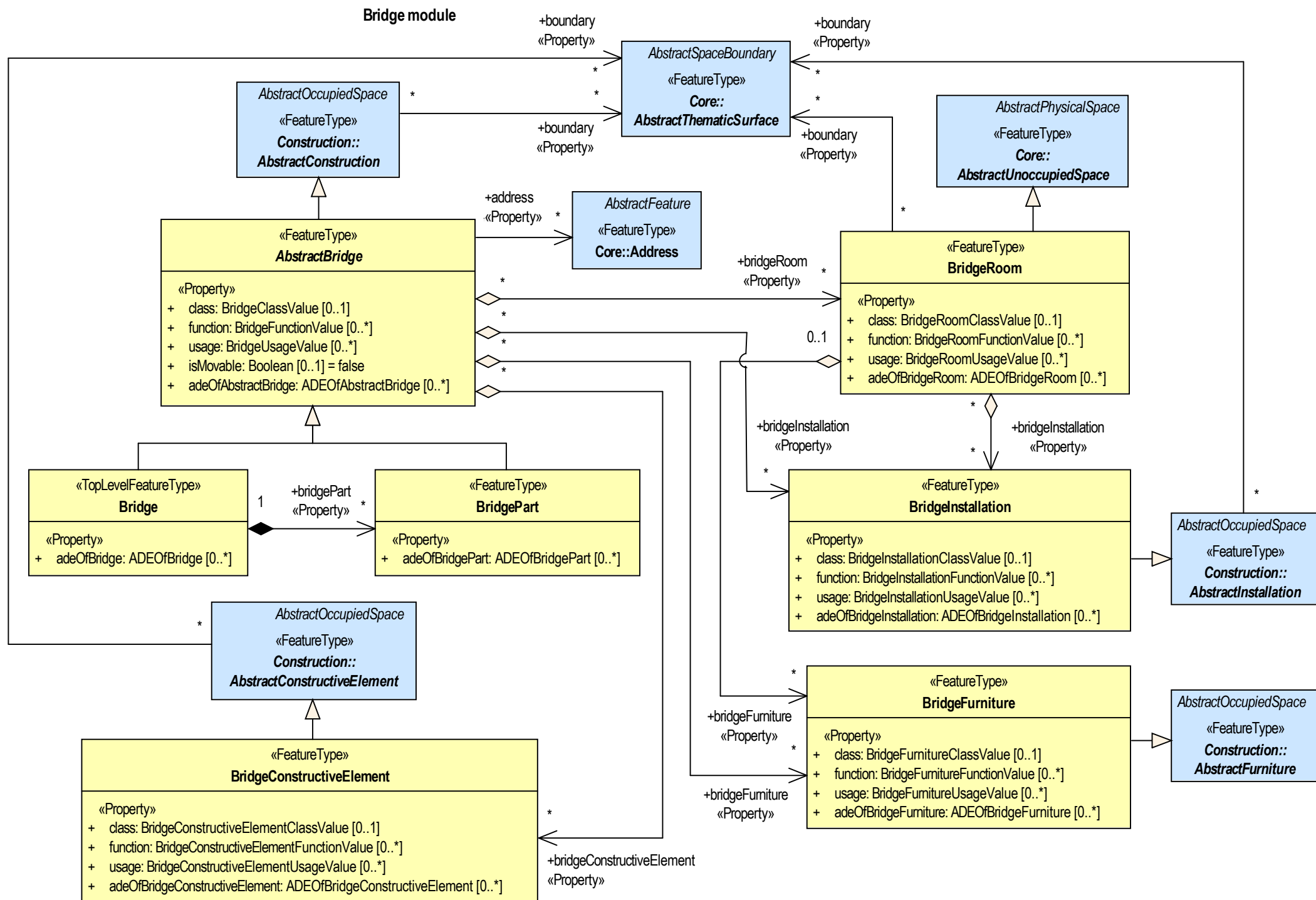
### Core module - ADE Data types



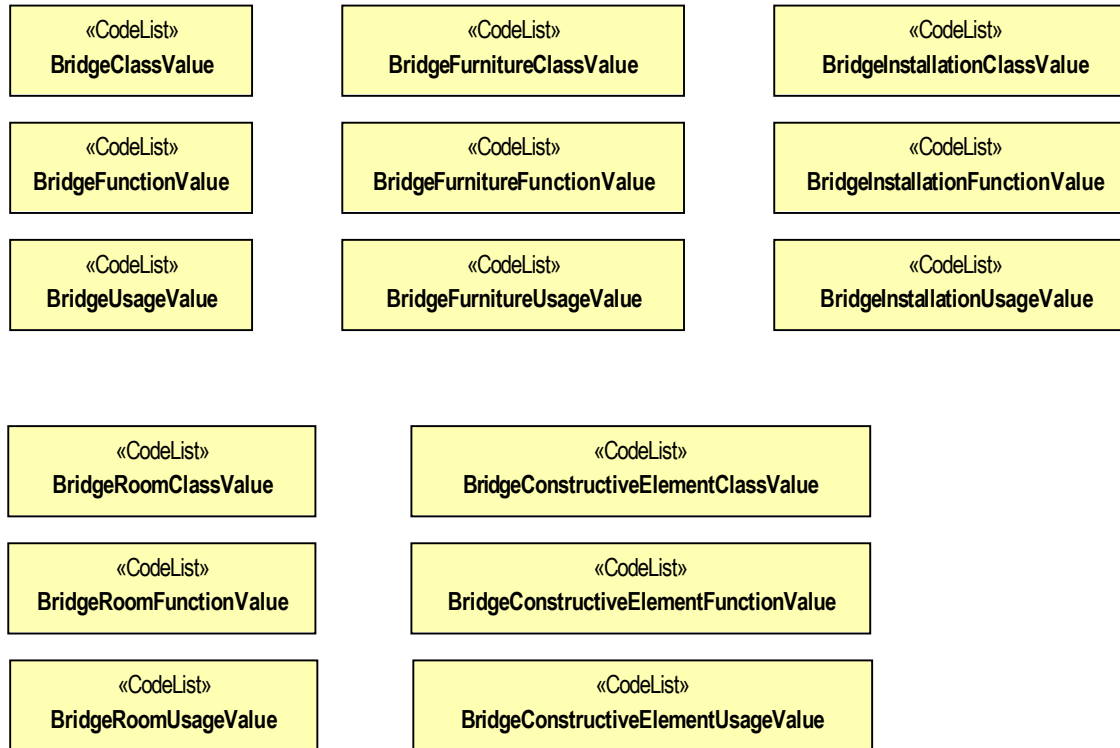


### Appearance module - ADE Data types

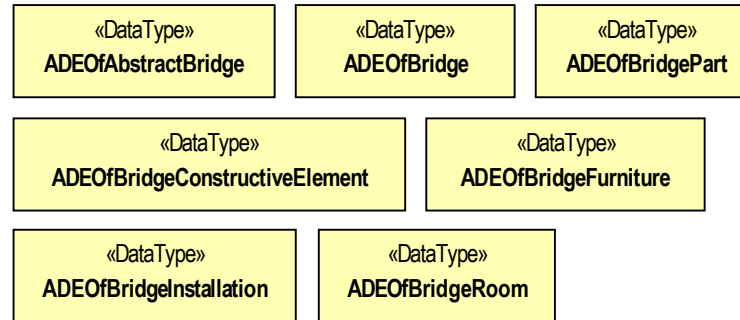




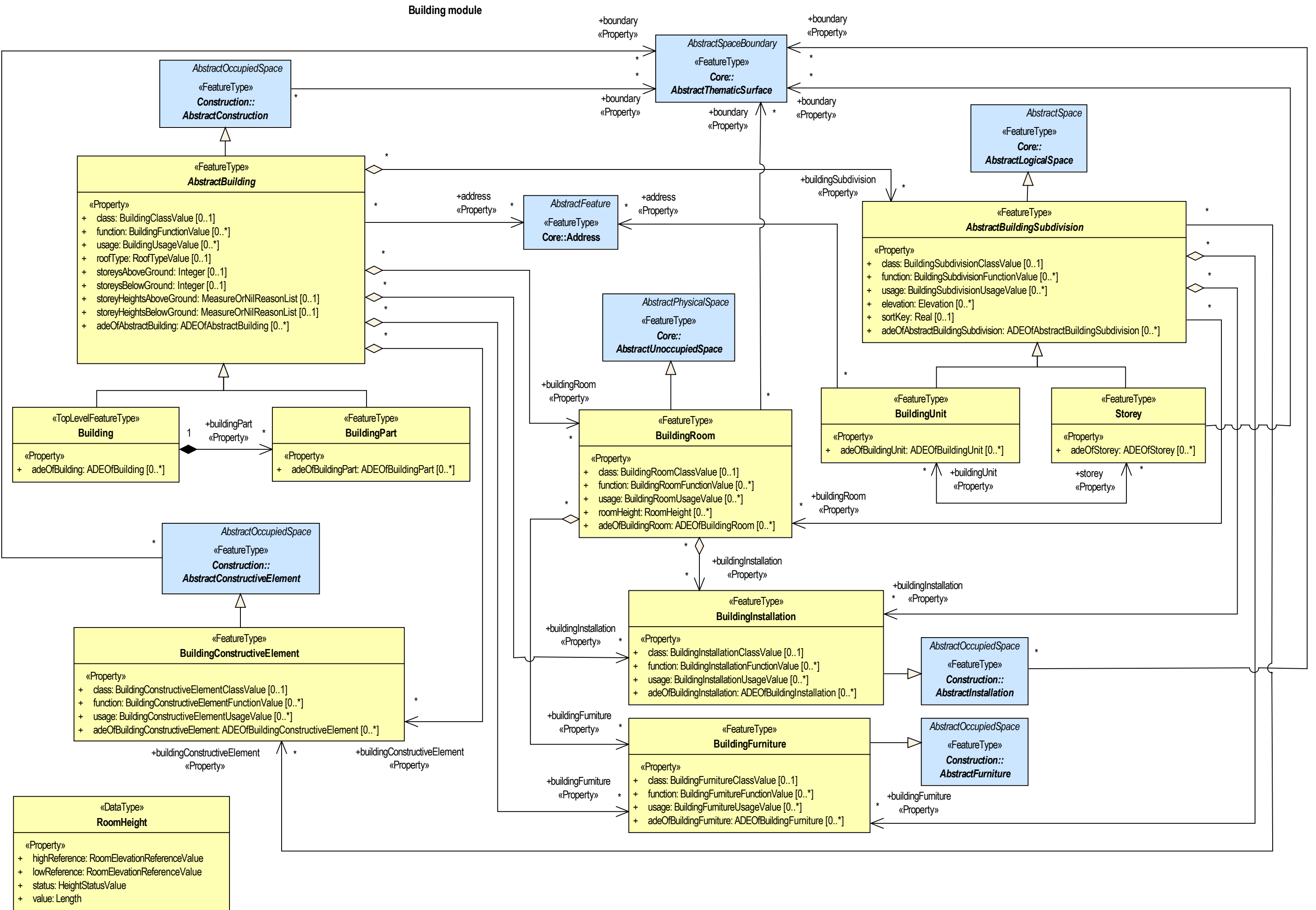
## Bridge module - Code lists



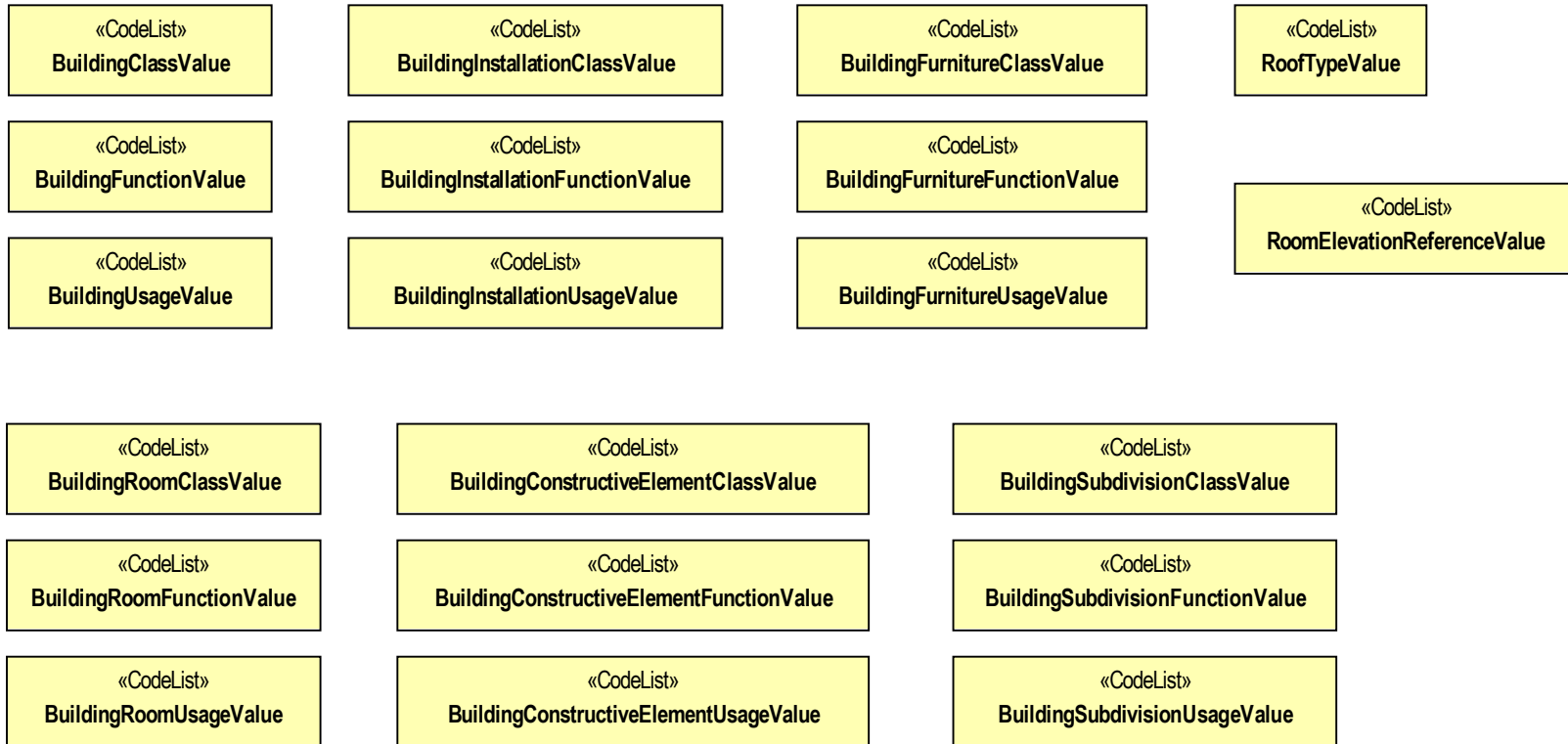
### Bridge module - ADE Data types



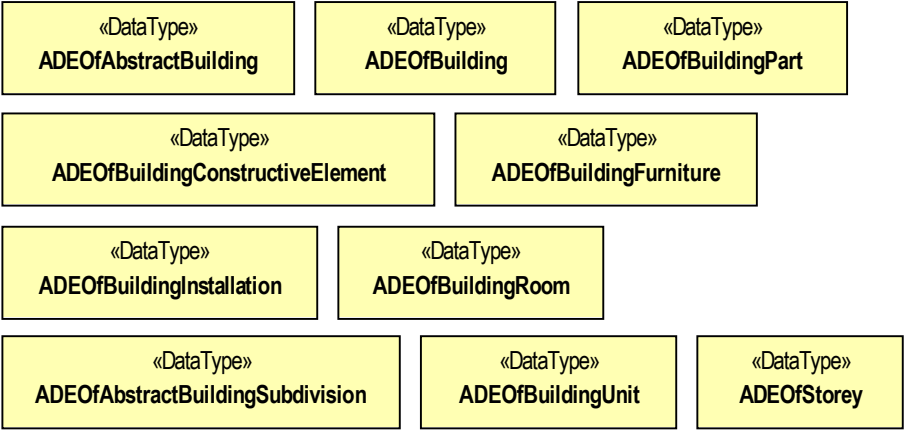




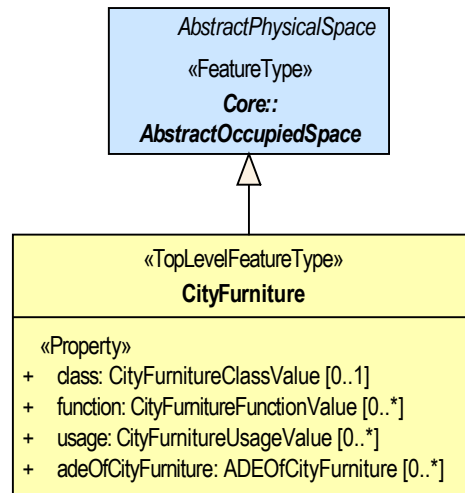
## Building module - Code lists



**Building module - ADE Data types**



## CityFurniture module



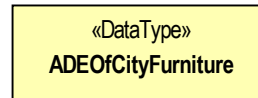
## CityFurniture module - Code lists

«CodeList»  
**CityFurnitureClassValue**

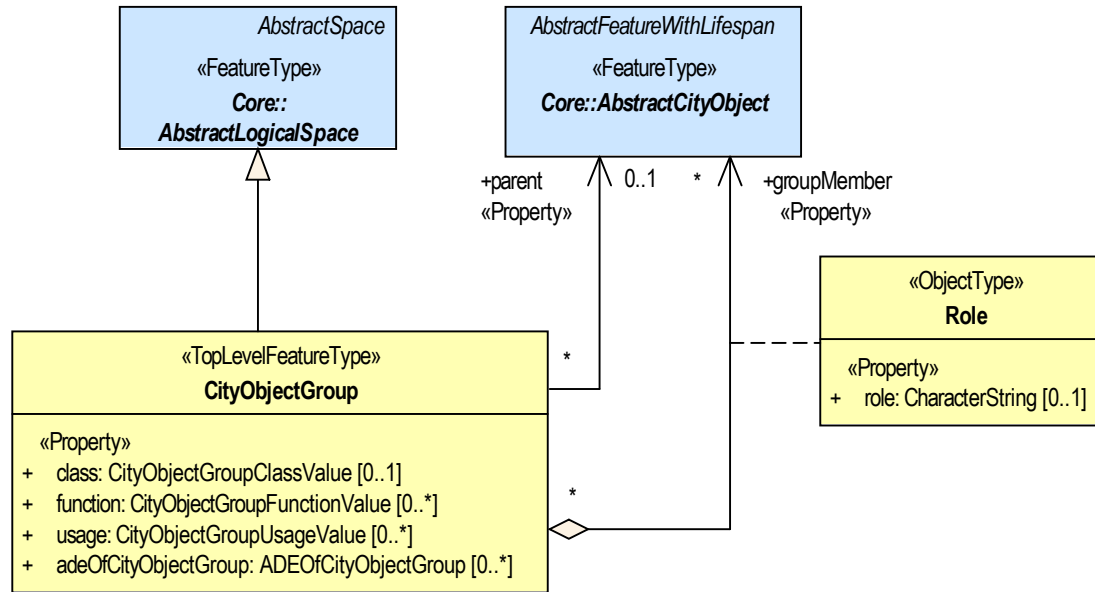
«CodeList»  
**CityFurnitureFunctionValue**

«CodeList»  
**CityFurnitureUsageValue**

## CityFurniture module - ADE Data types



## CityObjectGroup module



## CityObjectGroup module - Code lists

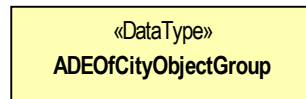
«CodeList»  
**CityObjectGroupClassValue**

«CodeList»  
**CityObjectGroupFunctionValue**

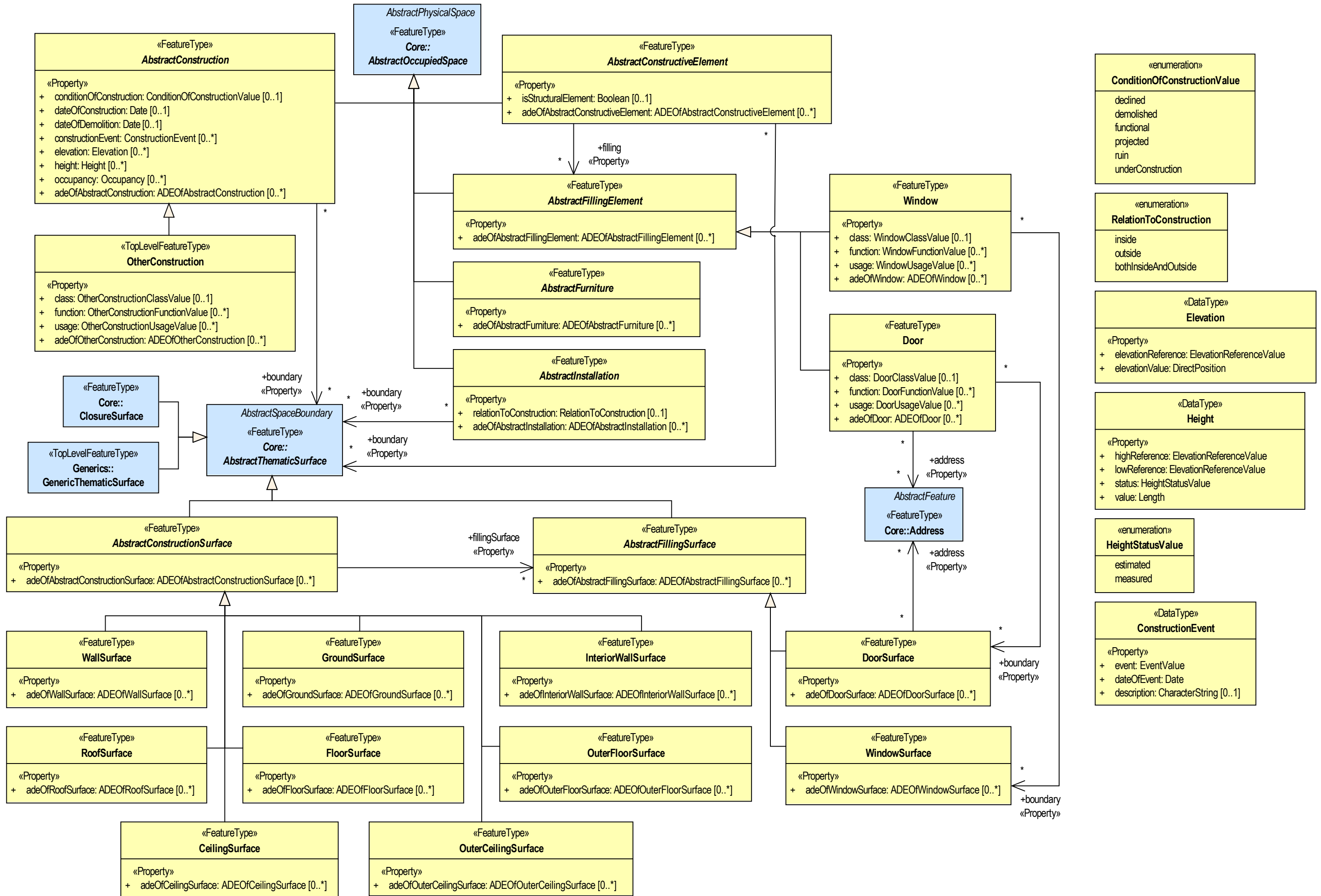
«CodeList»  
**CityObjectGroupUsageValue**



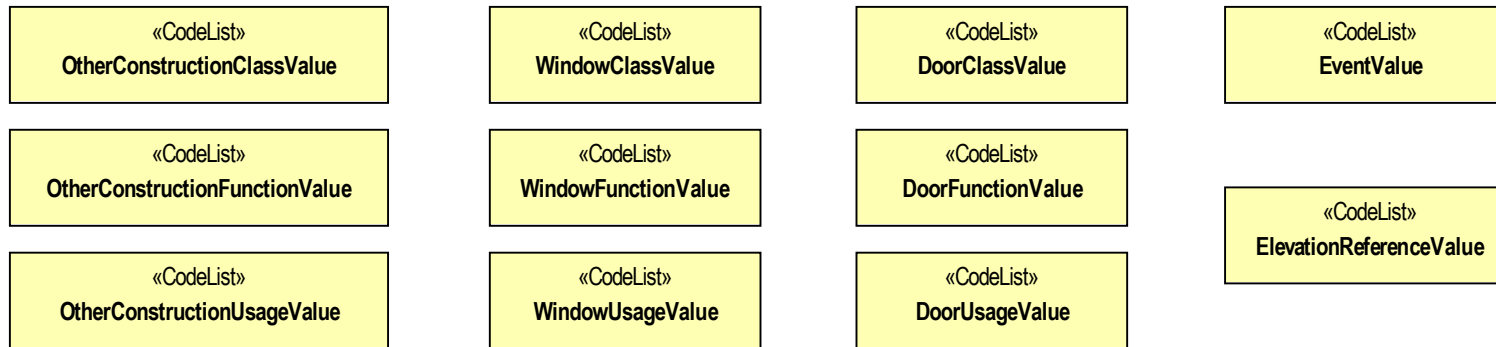
## CityObjectGroup module - ADE Data types



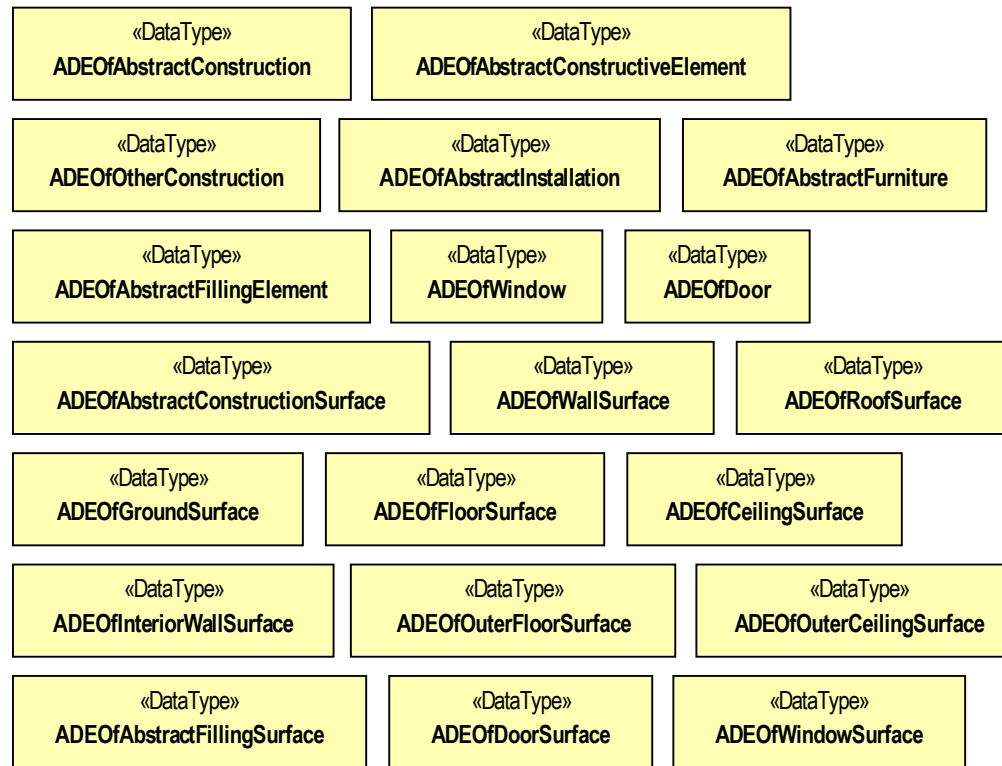
# Construction module

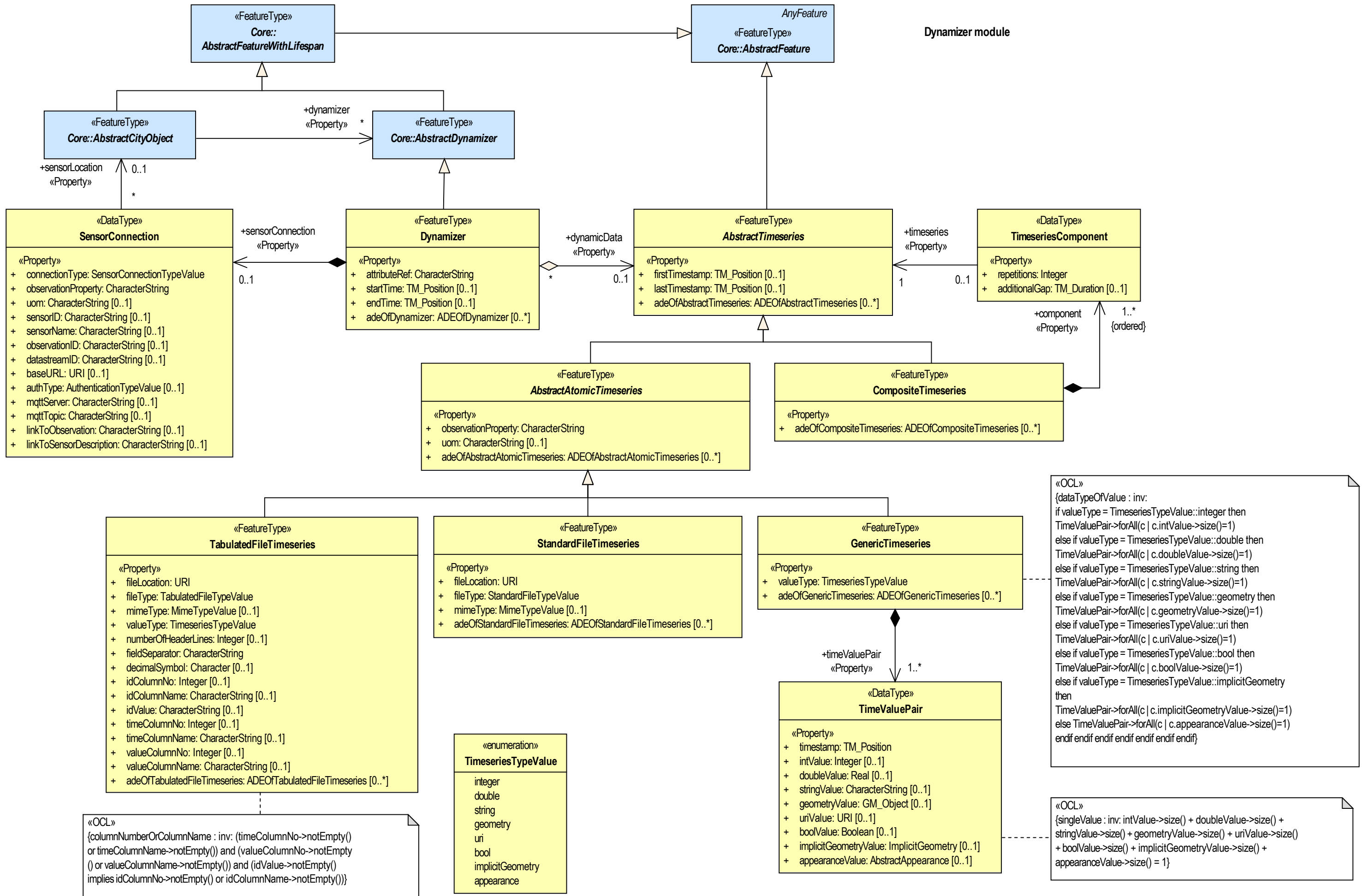


### Construction module - Code lists



### Construction module - ADE Data types





Dynamizer module - Code lists

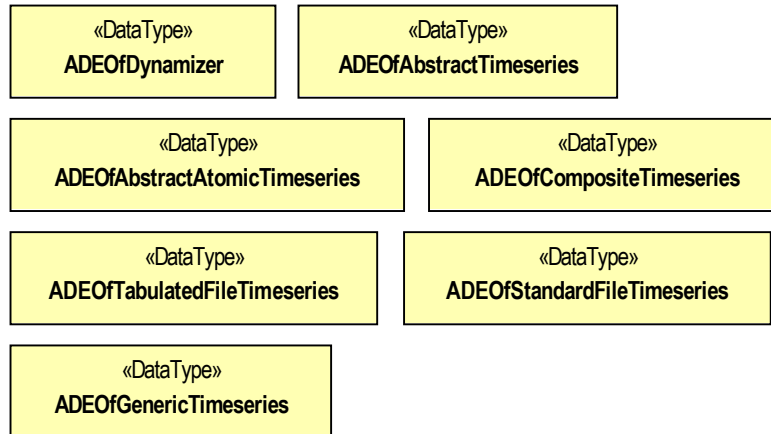
«CodeList»  
**SensorConnectionTypeValue**

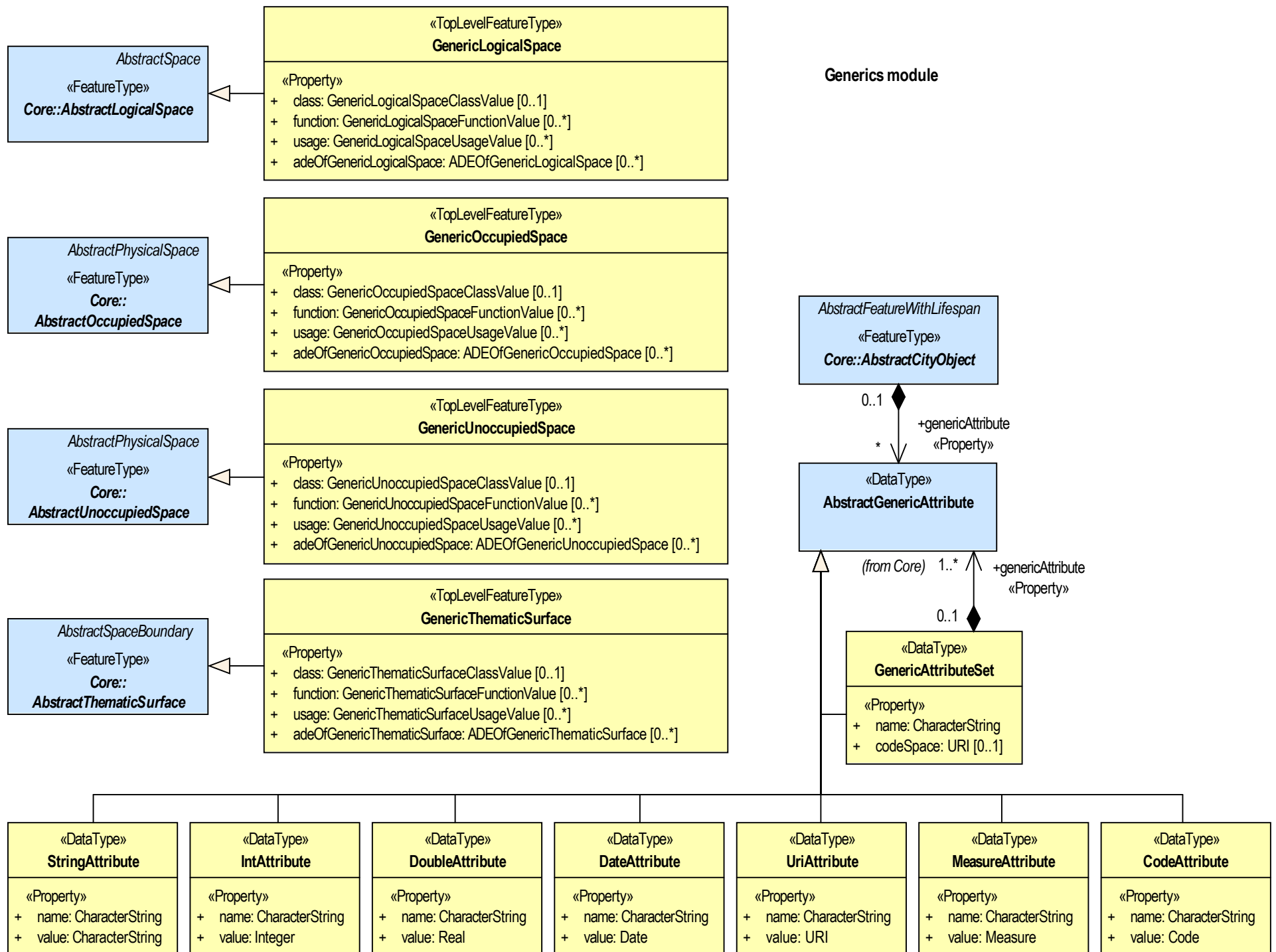
«CodeList»  
**TabulatedFileTypeValue**

«CodeList»  
**StandardFileTypeValue**

«CodeList»  
**AuthenticationTypeValue**

## Dynamizer module - ADE Data types







Generics module - Code lists

«CodeList»  
GenericLogicalSpaceClassValue

«CodeList»  
GenericOccupiedSpaceClassValue

«CodeList»  
GenericUnoccupiedSpaceClassValue

«CodeList»  
GenericThematicSurfaceClassValue

«CodeList»  
GenericLogicalSpaceFunctionValue

«CodeList»  
GenericOccupiedSpaceFunctionValue

«CodeList»  
GenericUnoccupiedSpaceFunctionValue

«CodeList»  
GenericThematicSurfaceFunctionValue

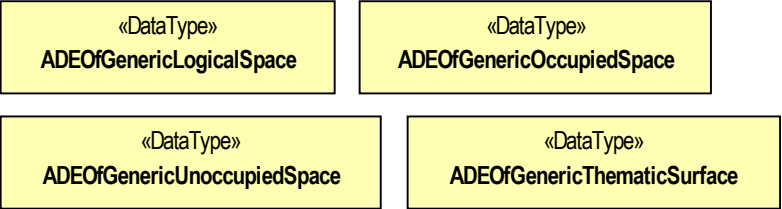
«CodeList»  
GenericLogicalSpaceUsageValue

«CodeList»  
GenericOccupiedSpaceUsageValue

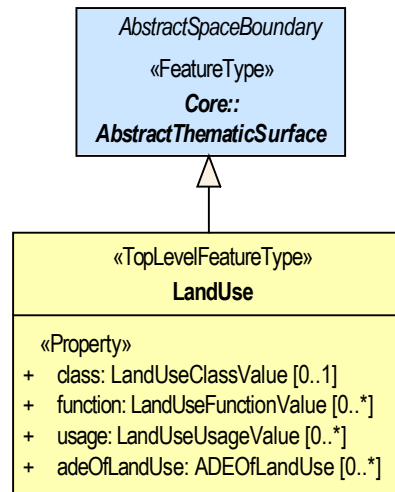
«CodeList»  
GenericUnoccupiedSpaceUsageValue

«CodeList»  
GenericThematicSurfaceUsageValue

**Generics module - ADE Data types**



## LandUse module



## LandUse module - Code lists

«CodeList»

**LandUseClassValue**

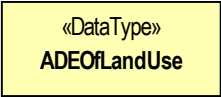
«CodeList»

**LandUseFunctionValue**

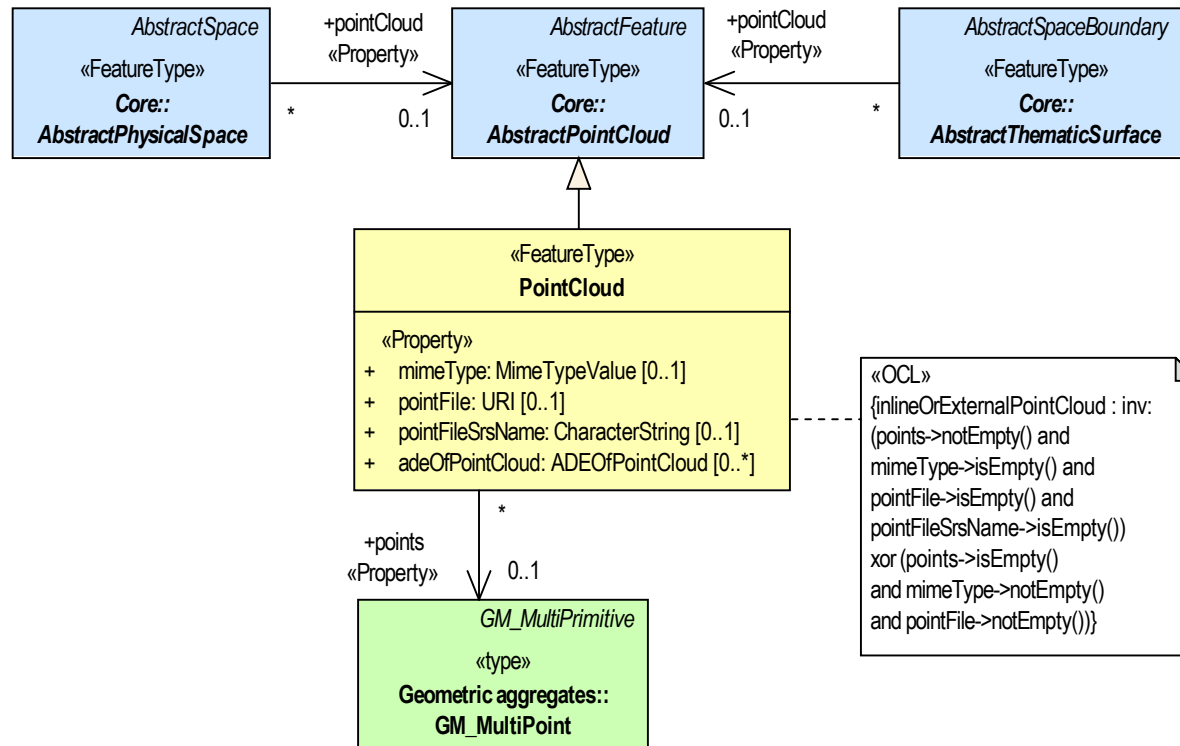
«CodeList»

**LandUseUsageValue**

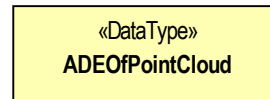
**LandUse module - ADE Data types**

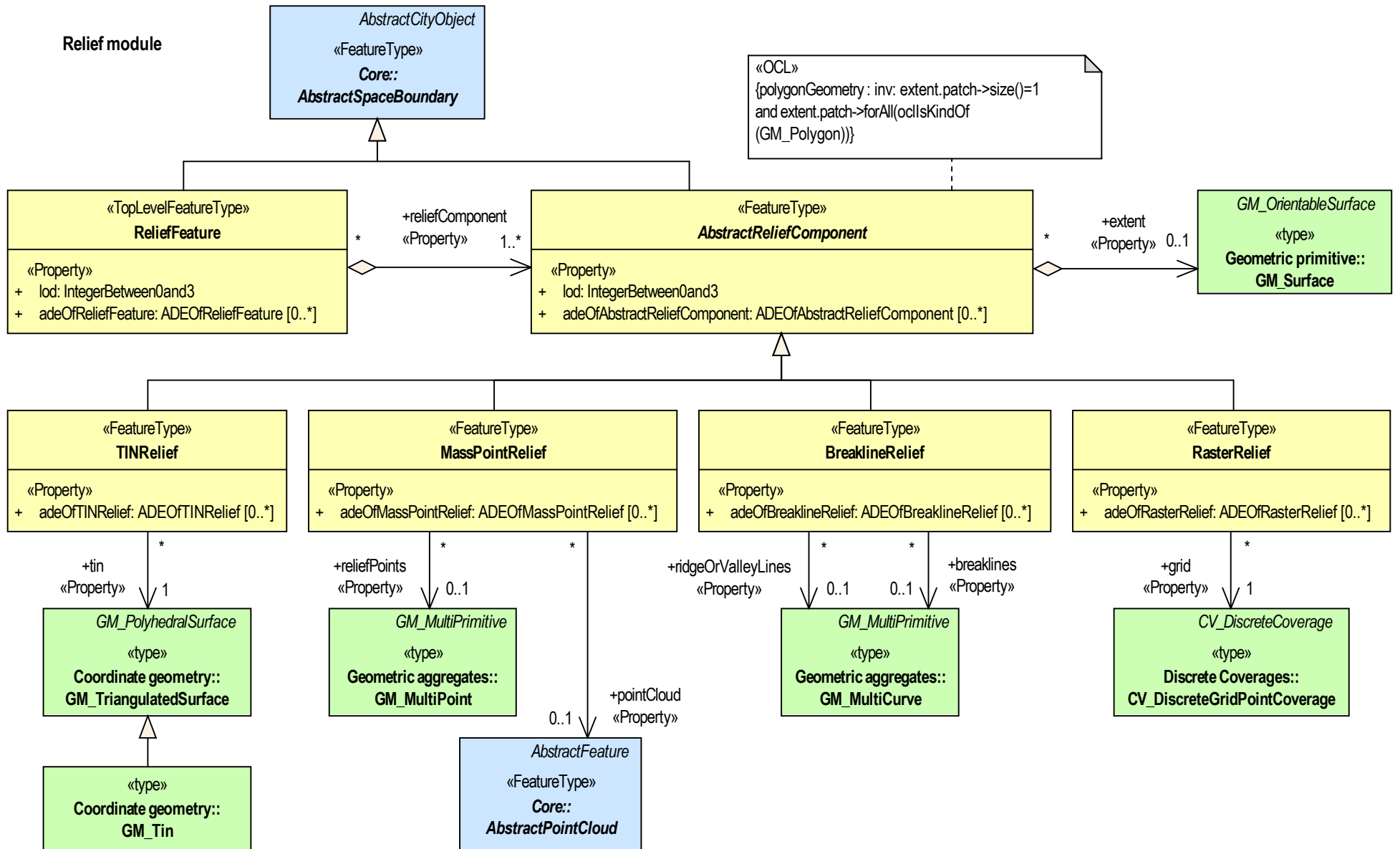


## PointCloud module



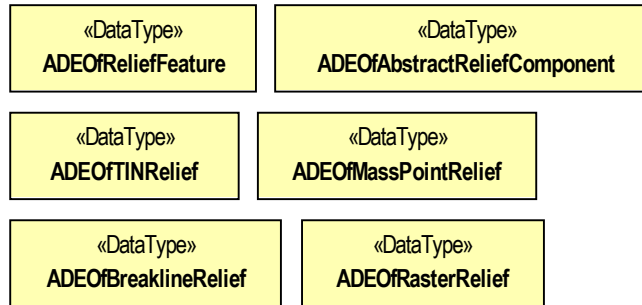
## PointCloud module - ADE Data types



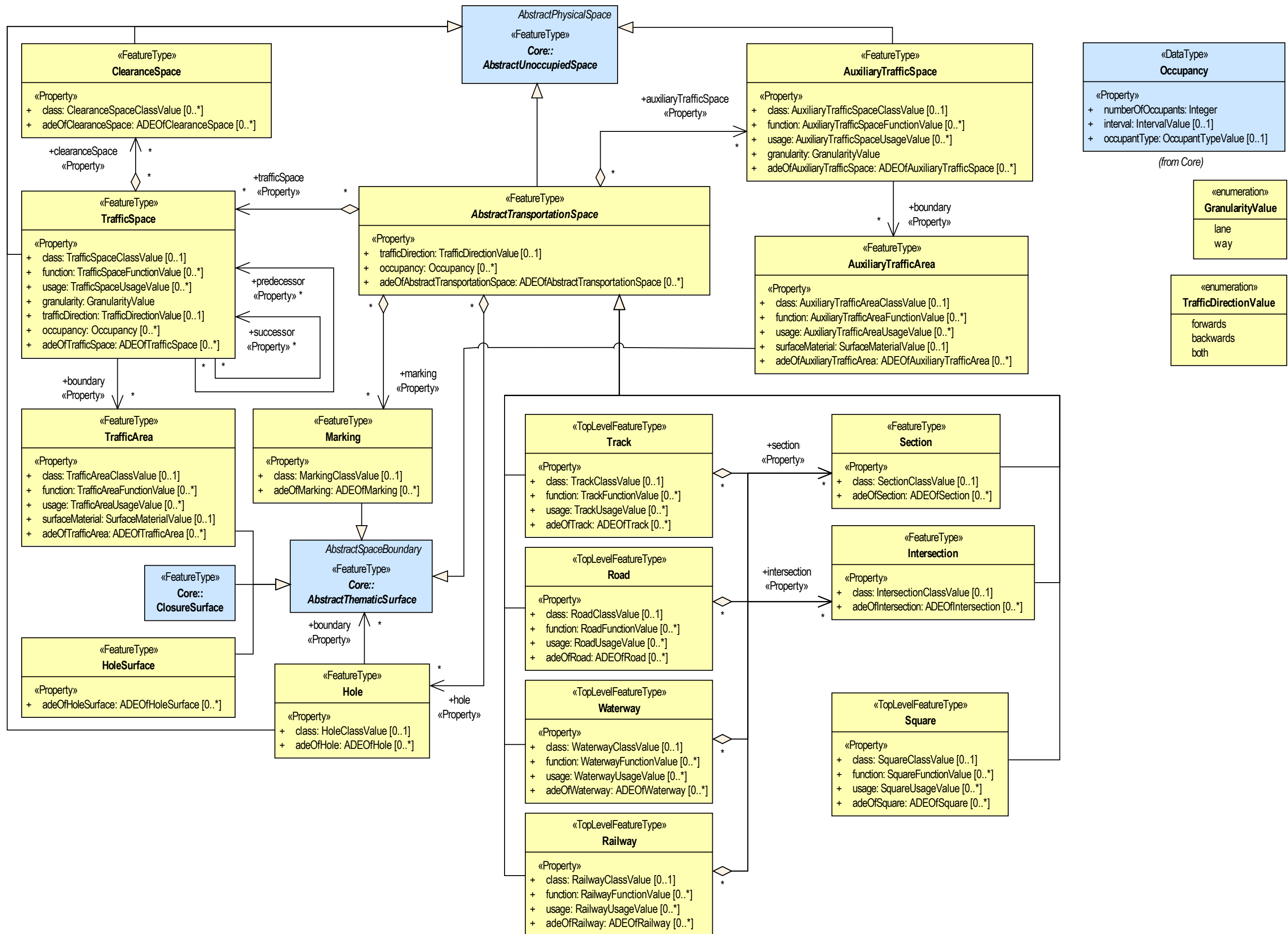




### Relief module - ADE Data types



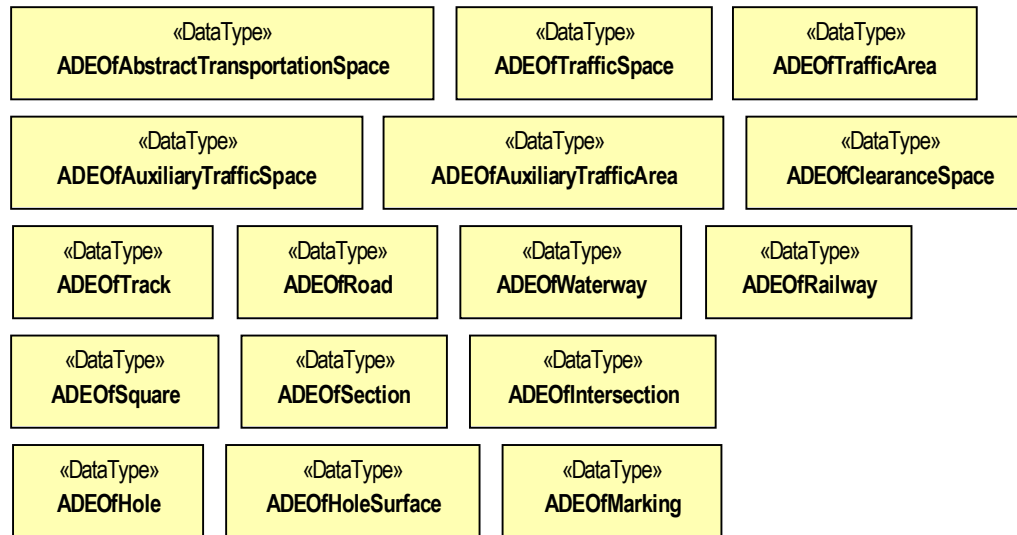
## Transportation module



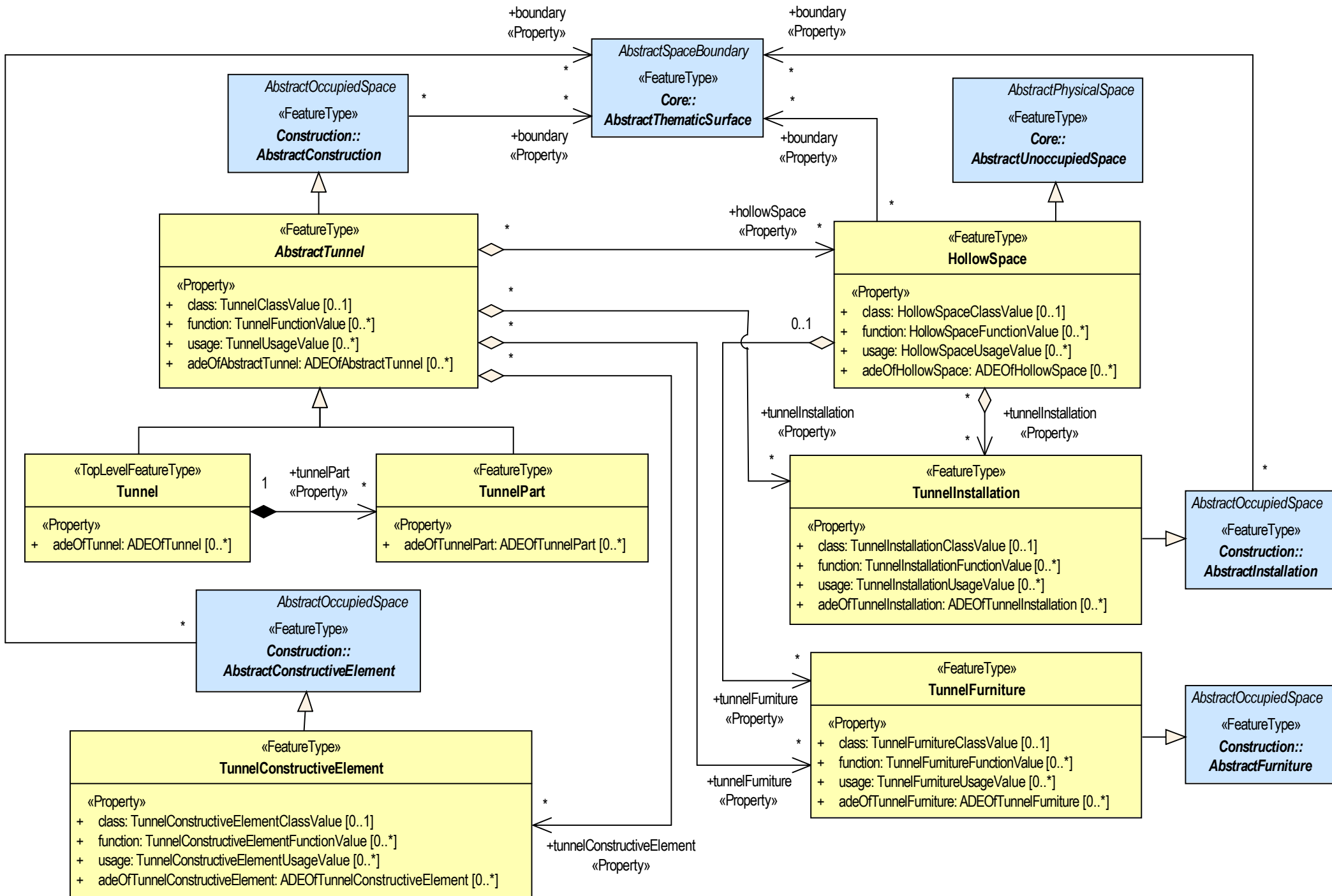
## Transportation module - Code lists

«CodeList» TransportationSpaceClassValue	«CodeList» TrafficSpaceClassValue	«CodeList» TrafficAreaClassValue	«CodeList» ClearanceSpaceClassValue	
«CodeList» TransportationSpaceFunctionValue	«CodeList» TrafficSpaceFunctionValue	«CodeList» TrafficAreaFunctionValue		
«CodeList» TransportationSpaceUsageValue	«CodeList» TrafficSpaceUsageValue	«CodeList» TrafficAreaUsageValue	«CodeList» SurfaceMaterialValue	
«CodeList» AuxiliaryTrafficSpaceClassValue	«CodeList» AuxiliaryTrafficAreaClassValue	«CodeList» SectionClassValue	«CodeList» HoleClassValue	
«CodeList» AuxiliaryTrafficSpaceFunctionValue	«CodeList» AuxiliaryTrafficAreaFunctionValue	«CodeList» IntersectionClassValue	«CodeList» MarkingClassValue	
«CodeList» AuxiliaryTrafficSpaceUsageValue	«CodeList» AuxiliaryTrafficAreaUsageValue			
«CodeList» TrackClassValue	«CodeList» RoadClassValue	«CodeList» WaterwayClassValue	«CodeList» RailwayClassValue	«CodeList» SquareClassValue
«CodeList» TrackFunctionValue	«CodeList» RoadFunctionValue	«CodeList» WaterwayFunctionValue	«CodeList» RailwayFunctionValue	«CodeList» SquareFunctionValue
«CodeList» TrackUsageValue	«CodeList» RoadUsageValue	«CodeList» WaterwayUsageValue	«CodeList» RailwayUsageValue	«CodeList» SquareUsageValue

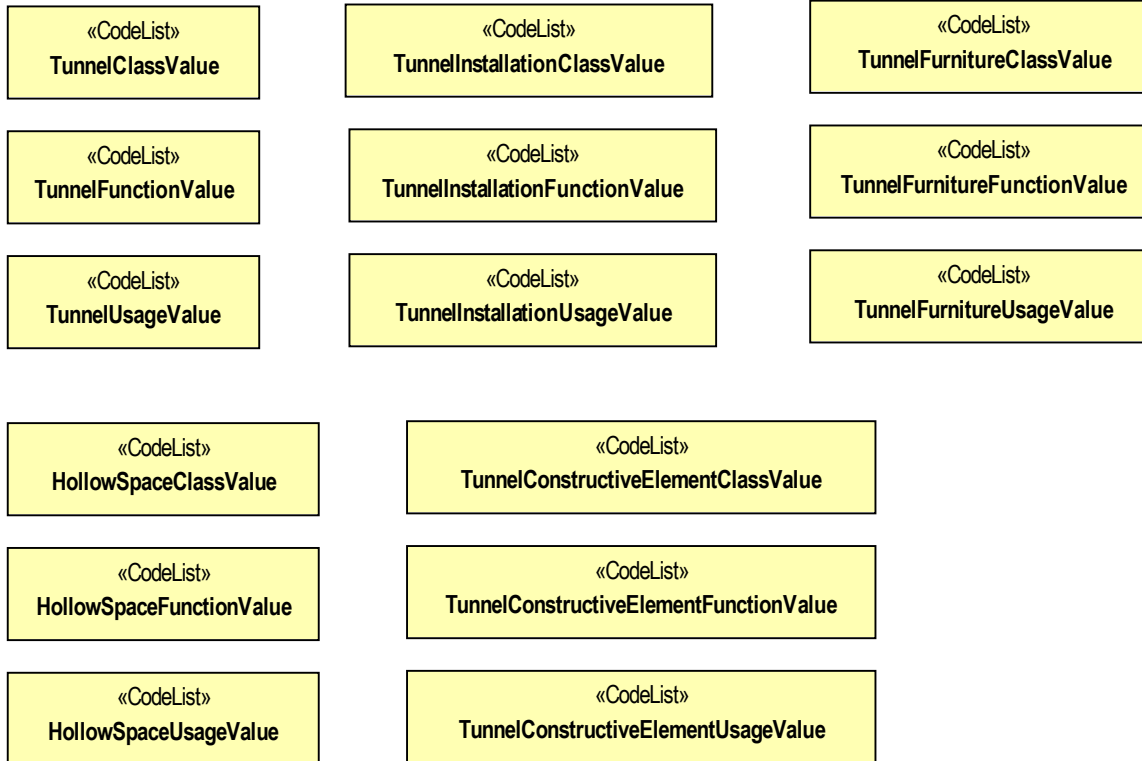
### Transportation module - ADE Data types



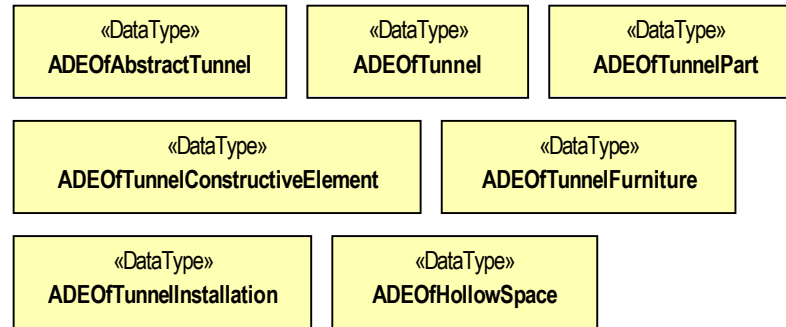
# Tunnel module



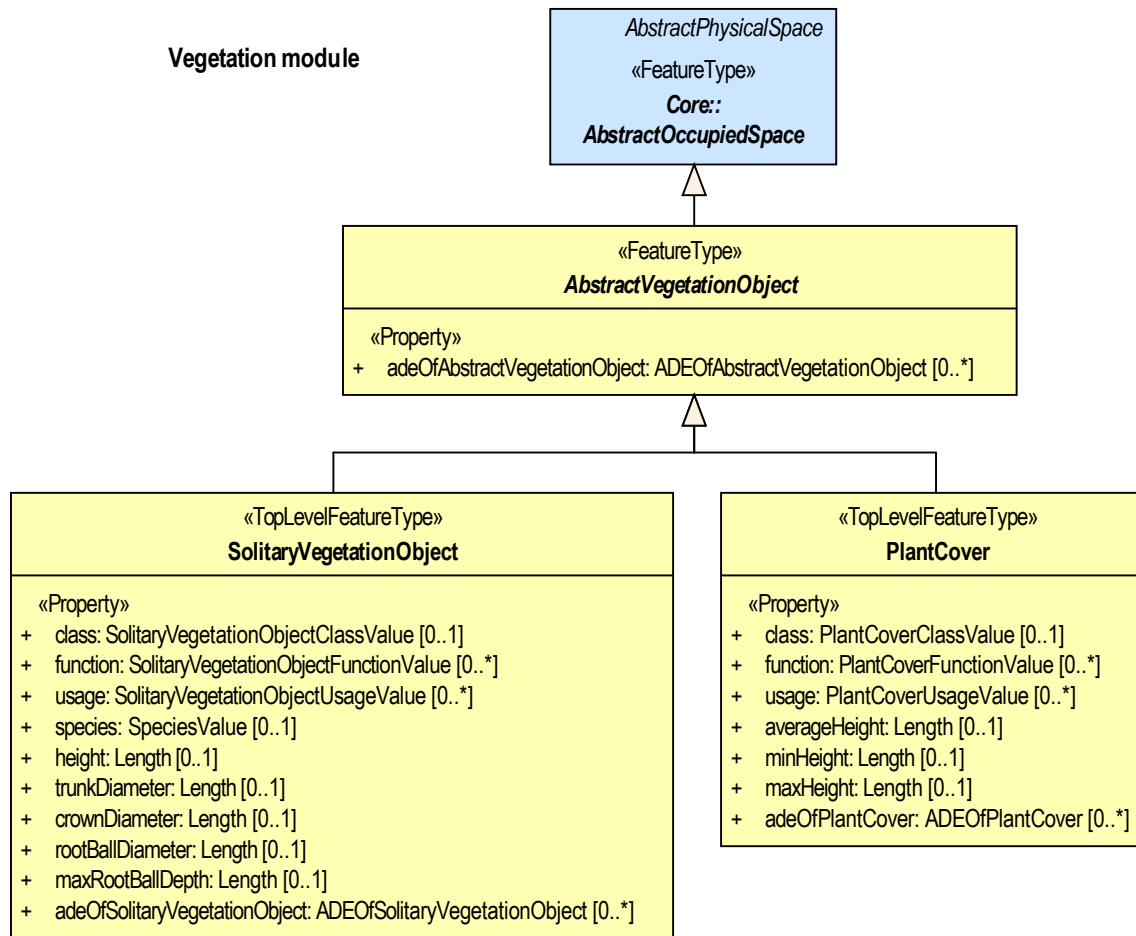
## Tunnel module - Code lists



### Tunnel - ADE Data types



# Vegetation module





## Vegetation module - Code lists

«CodeList»  
**SolitaryVegetationObjectClassValue**

«CodeList»  
**SolitaryVegetationObjectFunctionValue**

«CodeList»  
**SolitaryVegetationObjectUsageValue**

«CodeList»  
**PlantCoverClassValue**

«CodeList»  
**PlantCoverFunctionValue**

«CodeList»  
**PlantCoverUsageValue**

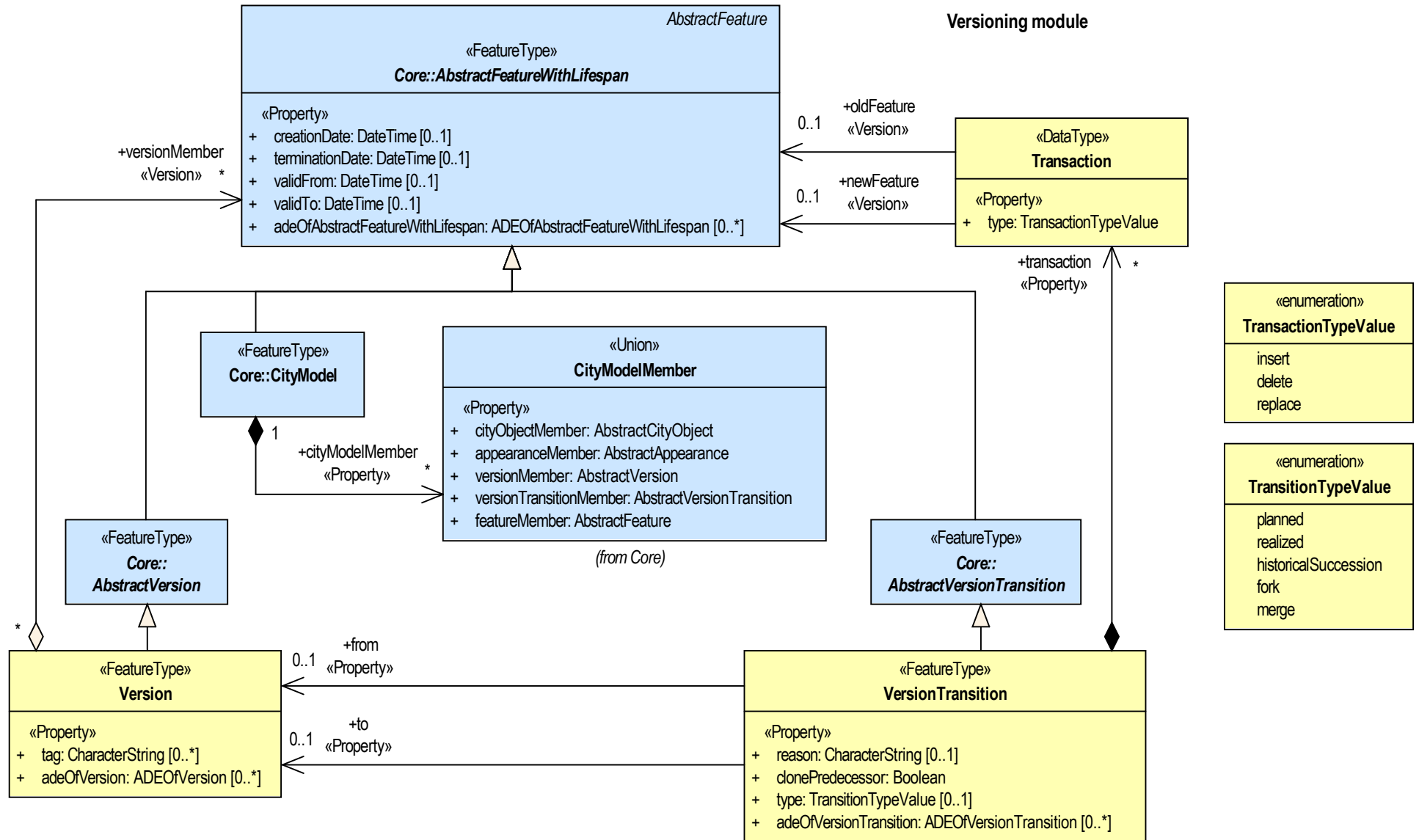
«CodeList»  
**SpeciesValue**

## Vegetation module - ADE Data types

«DataType»  
**ADEOfAbstractVegetationObject**

«DataType»  
**ADEOfSolitaryVegetationObject**

«DataType»  
**ADEOfPlantCover**



## Vegetation module - Code lists

«CodeList»  
**SolitaryVegetationObjectClassValue**

«CodeList»  
**SolitaryVegetationObjectFunctionValue**

«CodeList»  
**SolitaryVegetationObjectUsageValue**

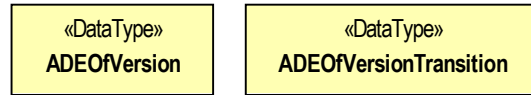
«CodeList»  
**PlantCoverClassValue**

«CodeList»  
**PlantCoverFunctionValue**

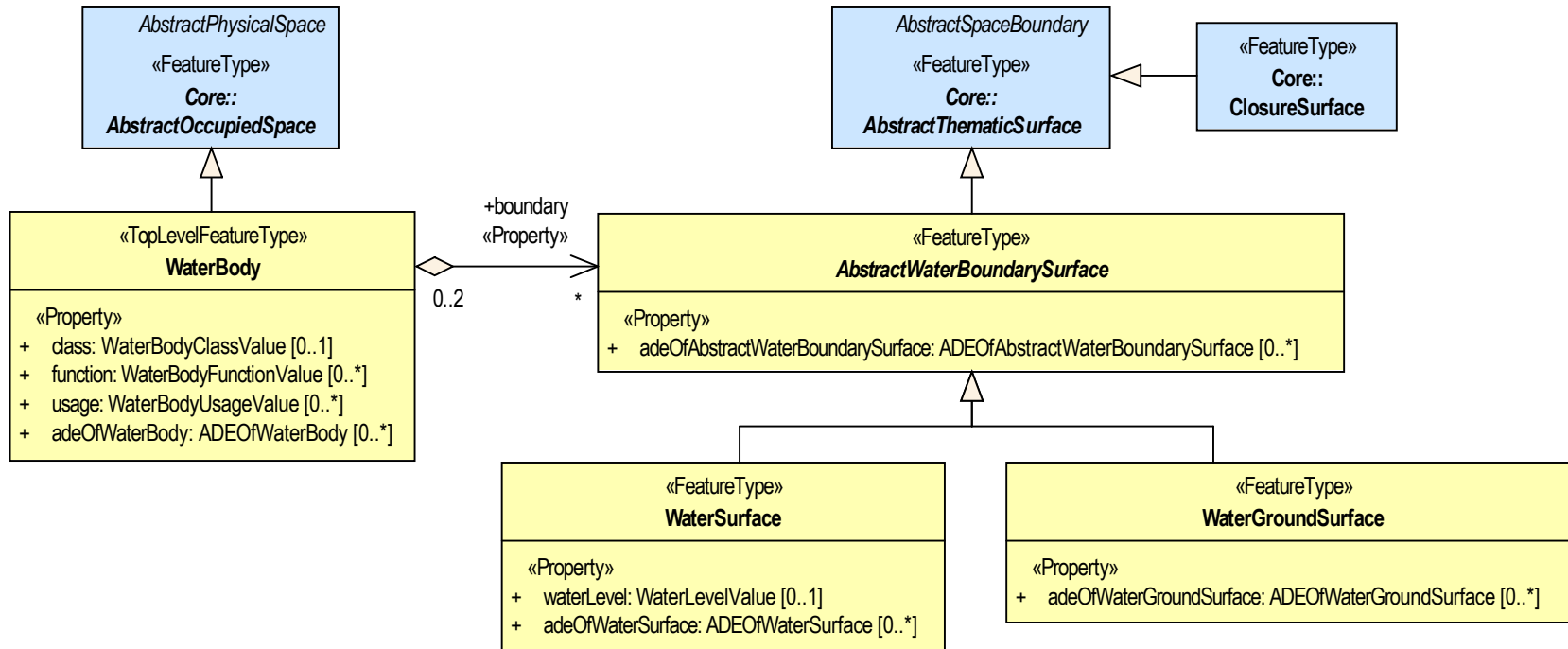
«CodeList»  
**PlantCoverUsageValue**

«CodeList»  
**SpeciesValue**

### Versioning module - ADE Data types



# WaterBody module



## WaterBody module - Code lists

«CodeList»  
**WaterBodyClassValue**

«CodeList»  
**WaterLevelValue**

«CodeList»  
**WaterBodyFunctionValue**

«CodeList»  
**WaterBodyUsageValue**

## WaterBody module - ADE Data types

«DataType»  
**ADEOfWaterBody**

«DataType»  
**ADEOfAbstractWaterBoundarySurface**

«DataType»  
**ADEOfWaterGroundSurface**

«DataType»  
**ADEOfWaterSurface**