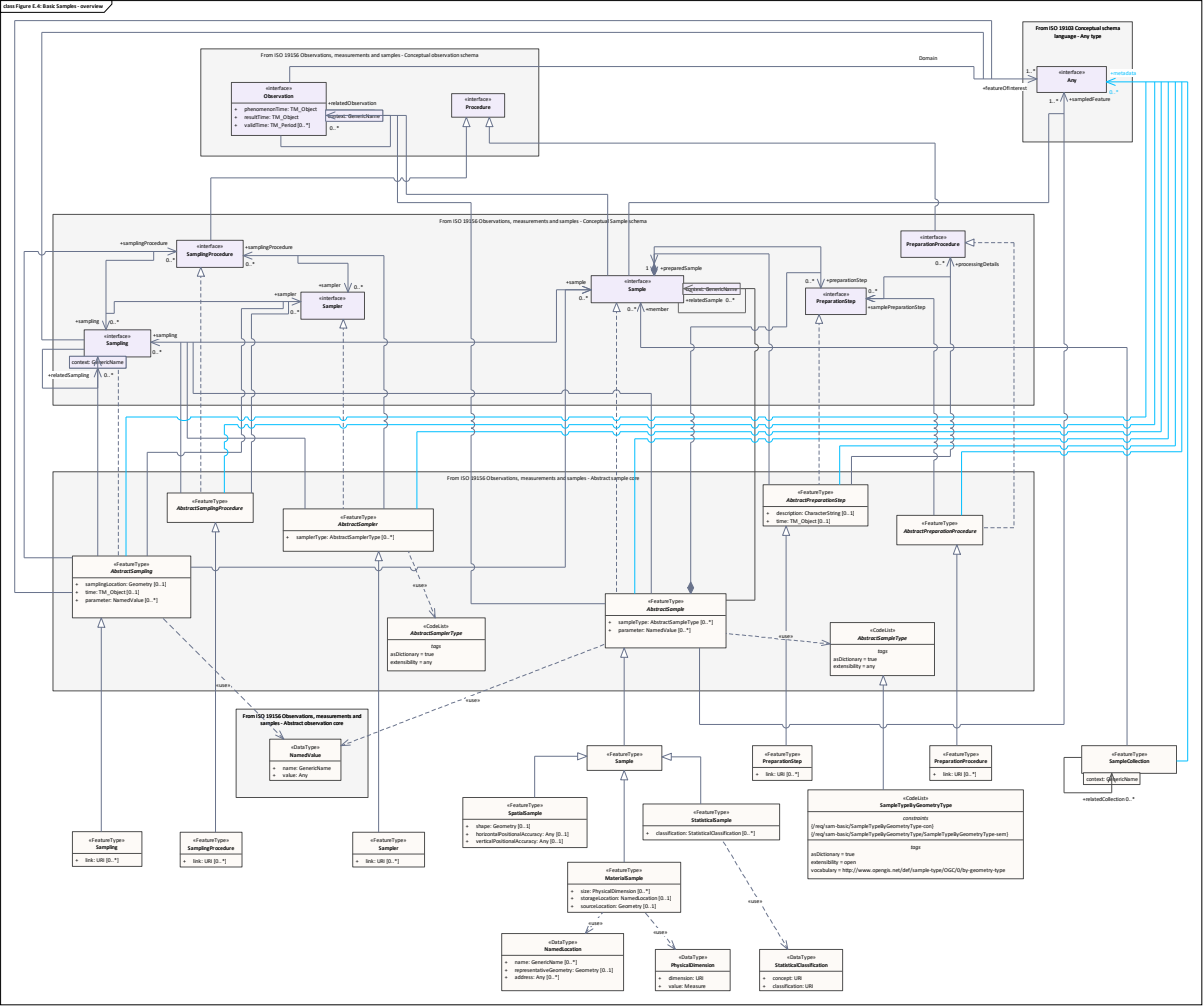
class Figure E.4: Basic Samples - overview
From ISO 19156 Observations, measurements and samples - Conceptual observation schema
«interface» Observation
+ phenomenonTime: TM_Object
+ resultTime: TM_Object
+ validTime: TM_Period [0..*]
+relatedObservation
«type» GenericName
0..*
«interface» Procedure
From ISO 19156 Observations, measurements and samples - Conceptual Sample schema
«interface» SamplingProcedure
+samplingProcedure
0..*
«interface» Sampler
+sampler
0..*
«interface» Sampling
context: GenericName
+relatedSampling
+sampling
«interface» Sample
«type» GenericName
+relatedSample 0..*
+sample
+member
1
+preparedSample
«interface» PreparationProcedure
+processingDetails
«interface» PreparationStep
+preparationStep
+samplePreparationStep
From ISO 19156 Observations, measurements and samples - Abstract sample core
«FeatureType» AbstractSamplingProcedure
«FeatureType» AbstractSampler
+ samplerType: AbstractSamplerType [0..*]
«FeatureType» AbstractSampling
+ samplingLocation: Geometry [0..1]
+ time: TM_Object [0..1]
+ parameter: NamedValue [0..*]
«CodeList» AbstractSamplerType
tags
isDictionary = true
extensibility = any
«FeatureType» AbstractSample
+ sampleType: AbstractSampleType [0..*]
+ parameter: NamedValue [0..*]
«FeatureType» AbstractPreparationStep
+ description: CharacterString [0..1]
+ time: TM_Object [0..1]
«FeatureType» AbstractPreparationProcedure
«CodeList» AbstractSampleType
tags
isDictionary = true
extensibility = any
«use»
From ISO 19156 Observations, measurements and samples - Abstract observation core
«DataType» NamedValue
+ name: GenericName
+ value: Any
From ISO 19103 Conceptual schema language - Any type
«interface» Any
+featureOfInterest
+relatedObs
+sampledFeature
Domain
«FeatureType» Sampling
+ link: URI [0..*]
«FeatureType» SamplingProcedure
+ link: URI [0..*]
«FeatureType» Sampler
+ link: URI [0..*]
«FeatureType» Sample
«FeatureType» PreparationStep
+ link: URI [0..*]
«FeatureType» PreparationProcedure
+ link: URI [0..*]
«FeatureType» SampleCollection
context: GenericName
+relatedCollection 0..*
«FeatureType» SpatialSample
+ shape: Geometry [0..1]
+ horizontalPositionalAccuracy: Any [0..1]
+ verticalPositionalAccuracy: Any [0..1]
«FeatureType» StatisticalSample
+ classification: StatisticalClassification [0..*]
«CodeList» SampleTypeByGeometryType
constraints
{//req/sam-basic/SampleTypeByGeometryType-con}
{//req/sam-basic/SampleTypeByGeometryType/SampleTypeByGeometryType-sem}
tags
isDictionary = true
extensibility = open
vocabulary = http://www.opengis.net/def/sample-type/OGC/0/by-geometry-type
«FeatureType» MaterialSample
+ size: PhysicalDimension [0..*]
+ storageLocation: NamedLocation [0..1]
+ sourceLocation: Geometry [0..1]
«DataType» NamedLocation
+ name: GenericName [0..*]
+ representativeGeometry: Geometry [0..1]
+ address: Any [0..*]
«DataType» PhysicalDimension
+ dimension: URI
+ value: Measure
«DataType» StatisticalClassification
+ concept: URI
+ classification: URI