

import http://www.w3.org/XML/1998/namespace (http://www.w3.org/2001/xml.xsd)

 Annotation

Reference to Rights

0 .. 1





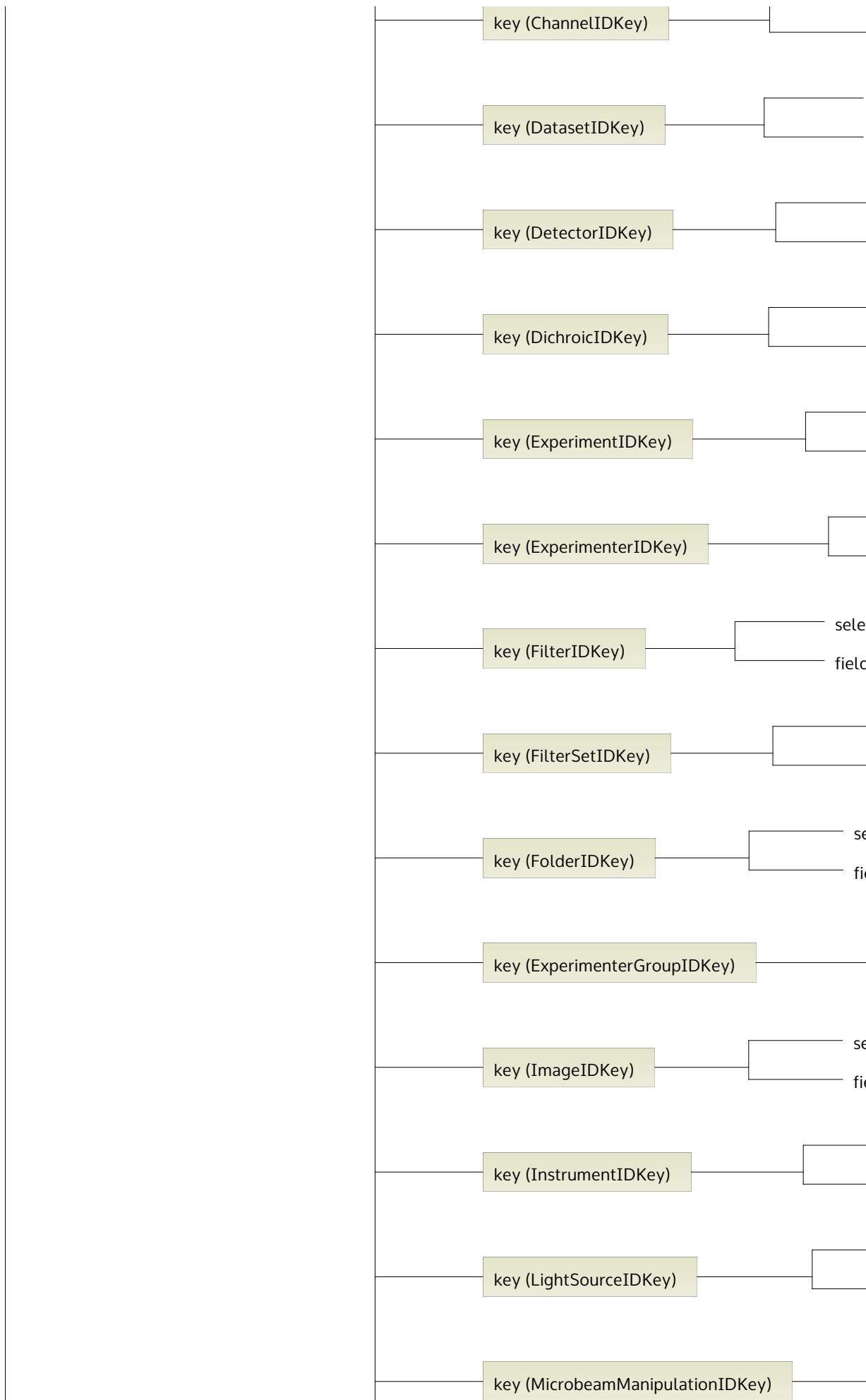
 

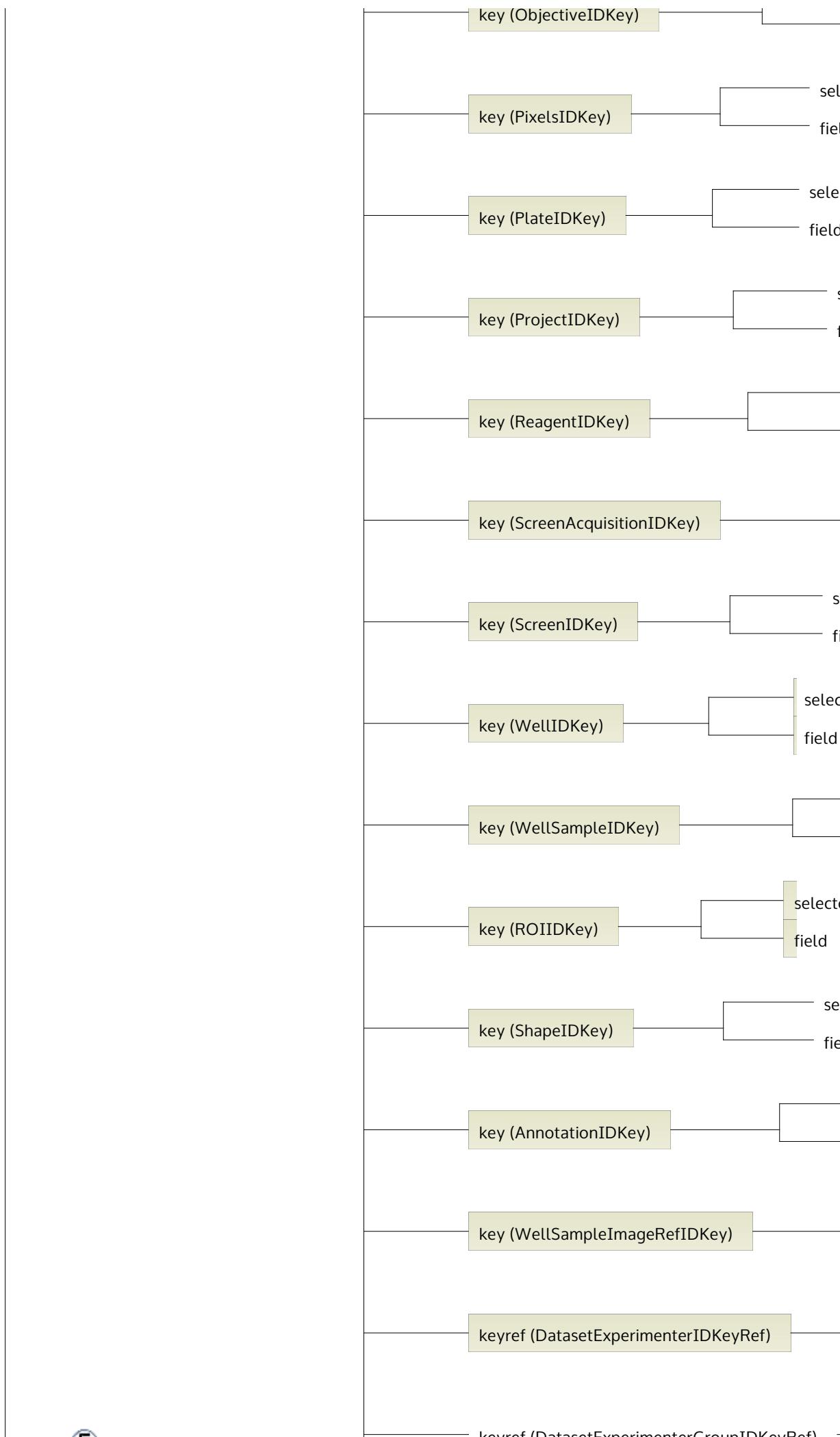
choice

Binary

1 .. 1







OME complex

keyref (DatasetExperimentIDKeyRef)

keyref (DatasetProjectIDKeyRef)

keyref (ExperimentExperimenterIDKeyRef)

keyref (ExperimentMicrobeamManipulationExperimentIDKeyRef)

keyref (ExperimentMicrobeamManipulationLightExperimentIDKeyRef)

keyref (ExperimenterExperimenterGroupIDKeyRef)

keyref (ExperimenterGroupContactExperimenterIDKeyRef)

keyref (ExperimenterGroupLeaderExperimenterIDKeyRef)

keyref (FolderFolderIDKeyRef)

keyref (FolderImageIDKeyRef)

keyref (FolderROIIDKeyRef)

keyref (ImageDataSetIDKeyRef)

keyref (ImageExperimenterIDKeyRef)

keyref (ImageExperimentIDKeyRef)

keyref (ImageExperimenterGroupIDKeyRef)

keyref (ImageInstrumentIDKeyRef)

keyref (ImageMicrobeamManipulationIDKeyRef)

keyref (ImageObjectiveSettingsObjectiveIDKeyRef)

keyref (ImagePixelsChannelDetectorSettingsDetectorIDKeyRef)

keyref (ImagePixelsChannelFilterSetIDKeyRef)

keyref (ImagePixelsChannelLightPathExcitationFilterIDKeyRef)

keyref (ImagePixelsChannelLightPathExcitationFilterIDKeyRef)

keyref (ImagePixelsChannelLightPathDichroicIDKeyRef)

keyref (ImagePixelsChannelLightPathEmissionFilterIDKeyRef)

keyref (ImagePixelsChannelLightPathEmissionFilterIDKeyRef)

keyref (ImagePixelsChannelLightSourceSettingsLightSourceIDKeyRef)

keyref (InstrumentFilterSetExcitationFilterIDKeyRef)

keyref (InstrumentFilterSetDichroicIDKeyRef)

keyref (InstrumentFilterSetEmissionFilterIDKeyRef)

keyref (InstrumentLightSourceLaserPumpLightSourceIDKeyRef)

keyref (PlateScreenIDKeyRef)

keyref (PlateWellReagentIDKeyRef)

keyref (PlateWellWellSampleImageIDKeyRef)

keyref (ProjectExperimenterIDKeyRef)

keyref (ProjectExperimenterGroupIDKeyRef)

keyref (ScreenPlateIDKeyRef)

keyref (ScreenScreenAcquisitionWellSampleIDKeyRef)

keyref (ExperimentMicrobeamManipulationROIIDKeyRef)

keyref (ImageROIIDKeyRef)

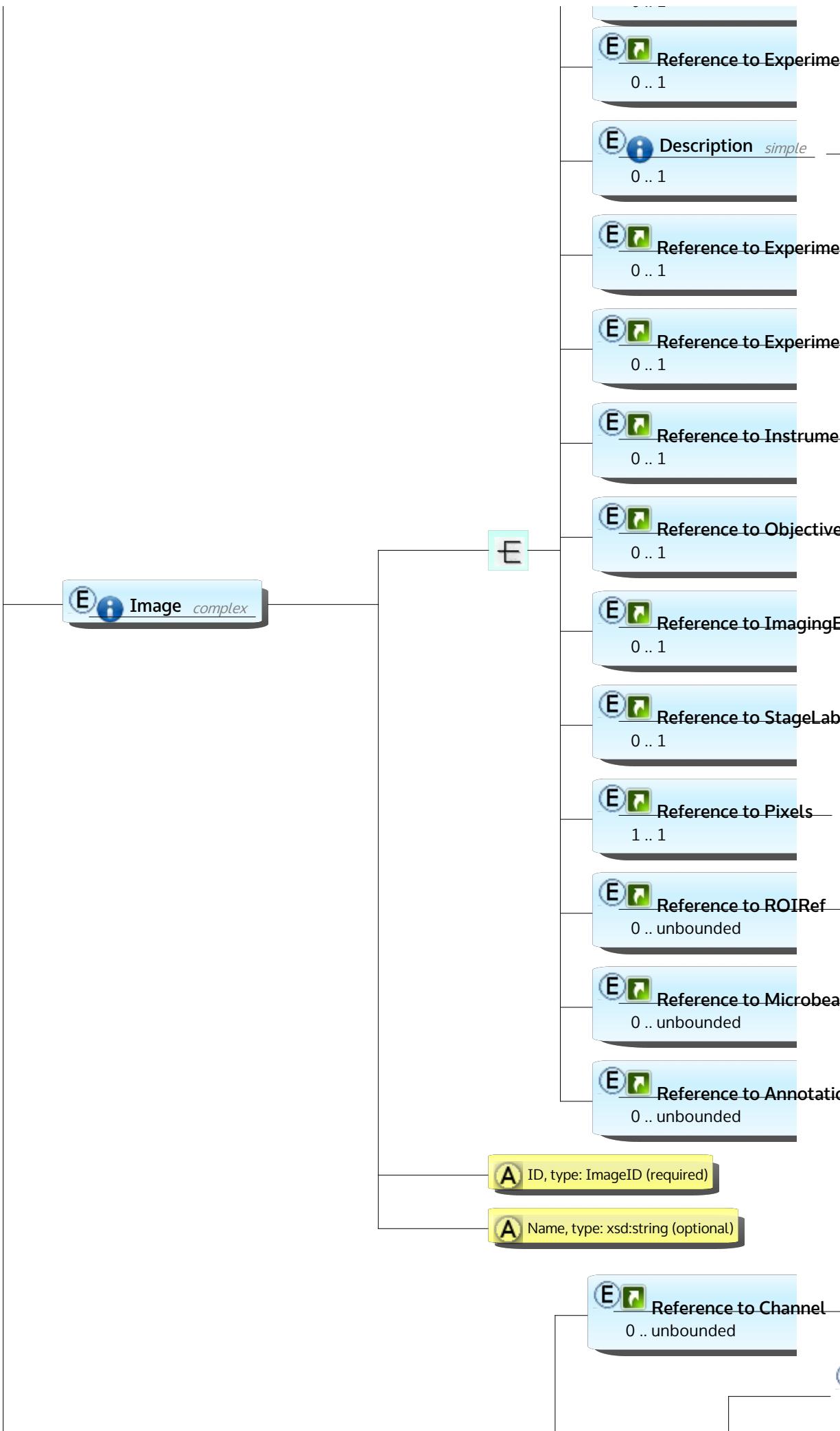
keyref (AnnotationRefAnnotationIDKeyRef)

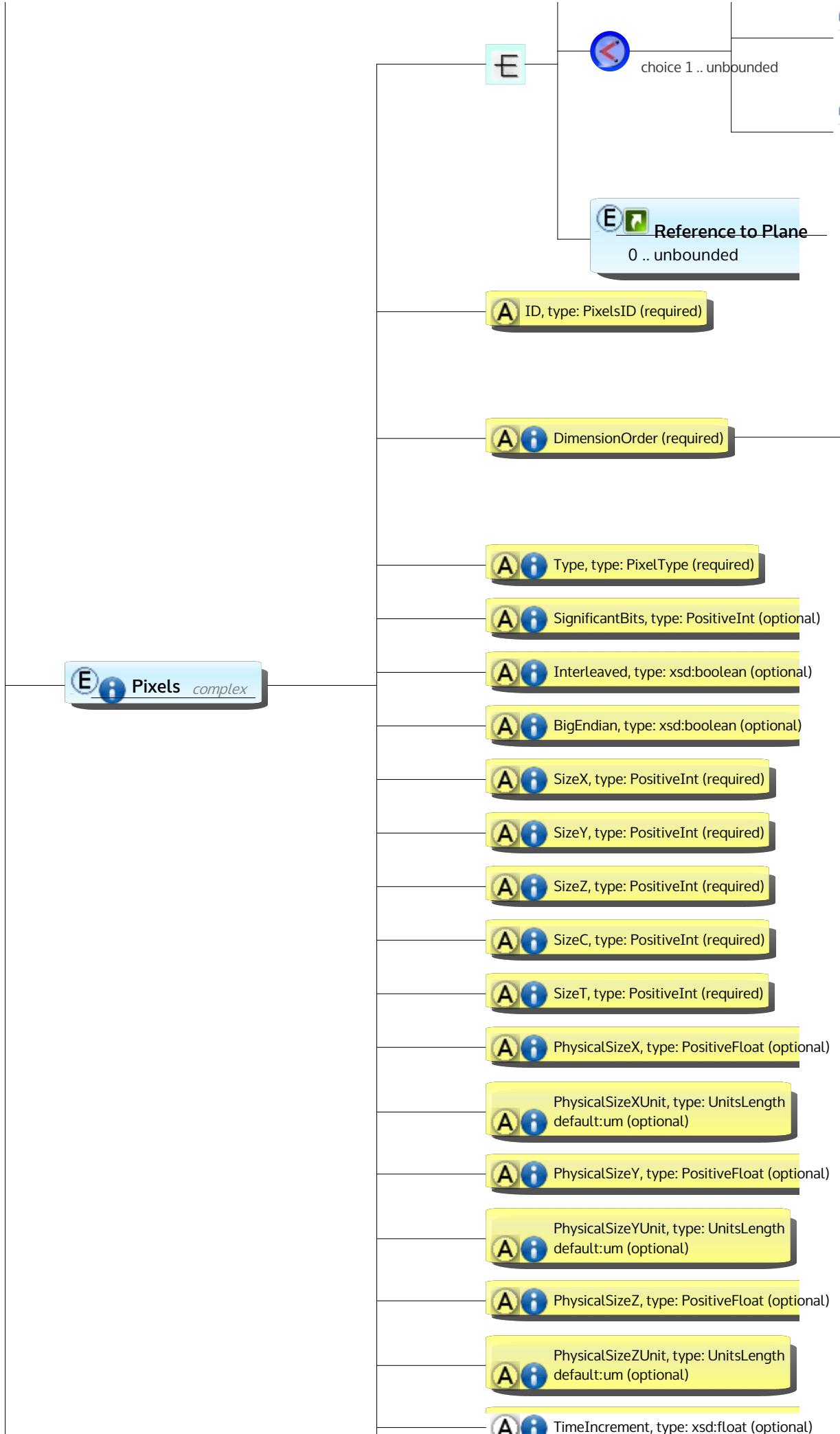
keyref (AnnotationAnnotatorExperimenterIDKeyRef)

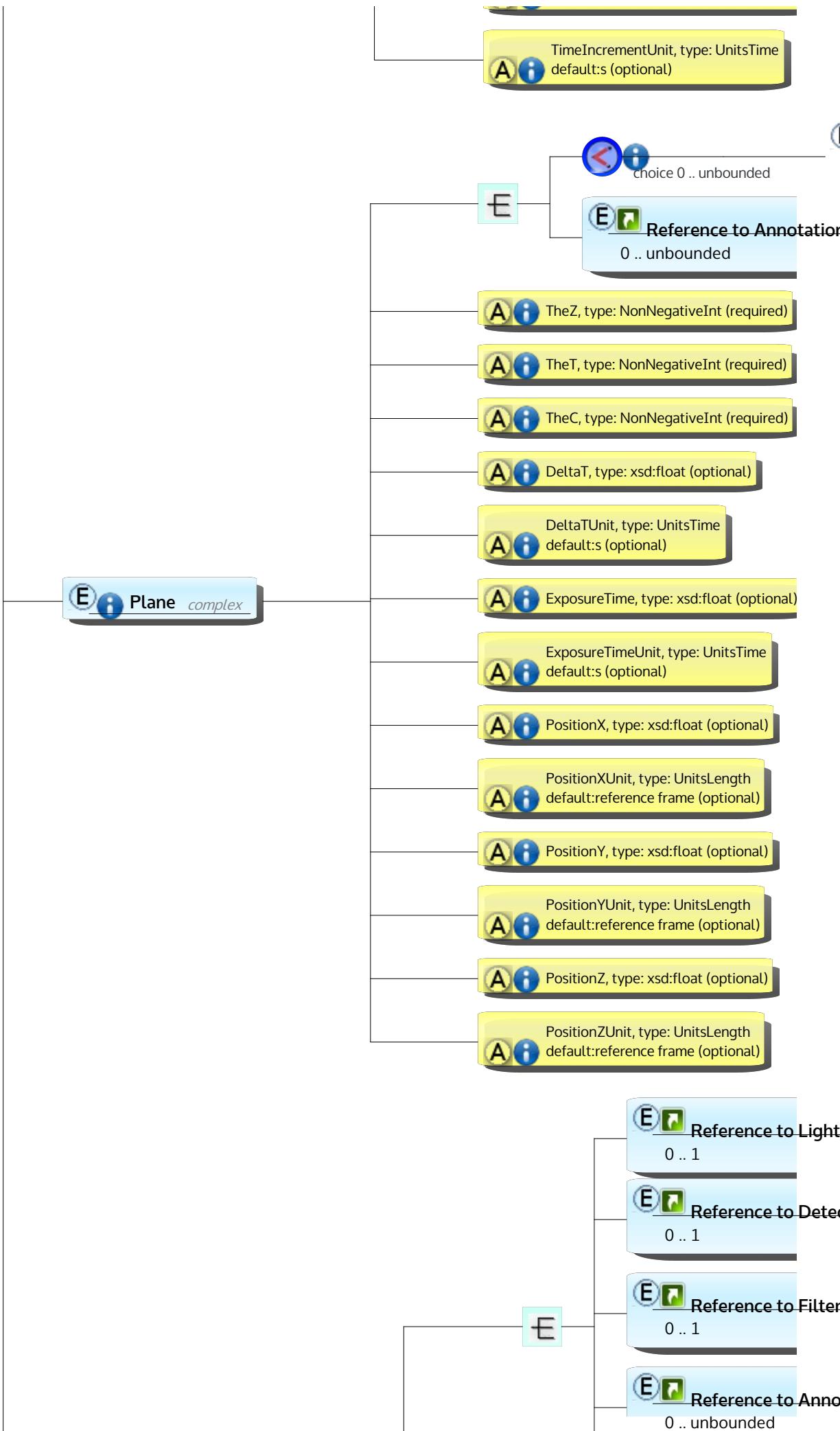
A  UUID, type: UniversallyUniqueIdentifier (optional)

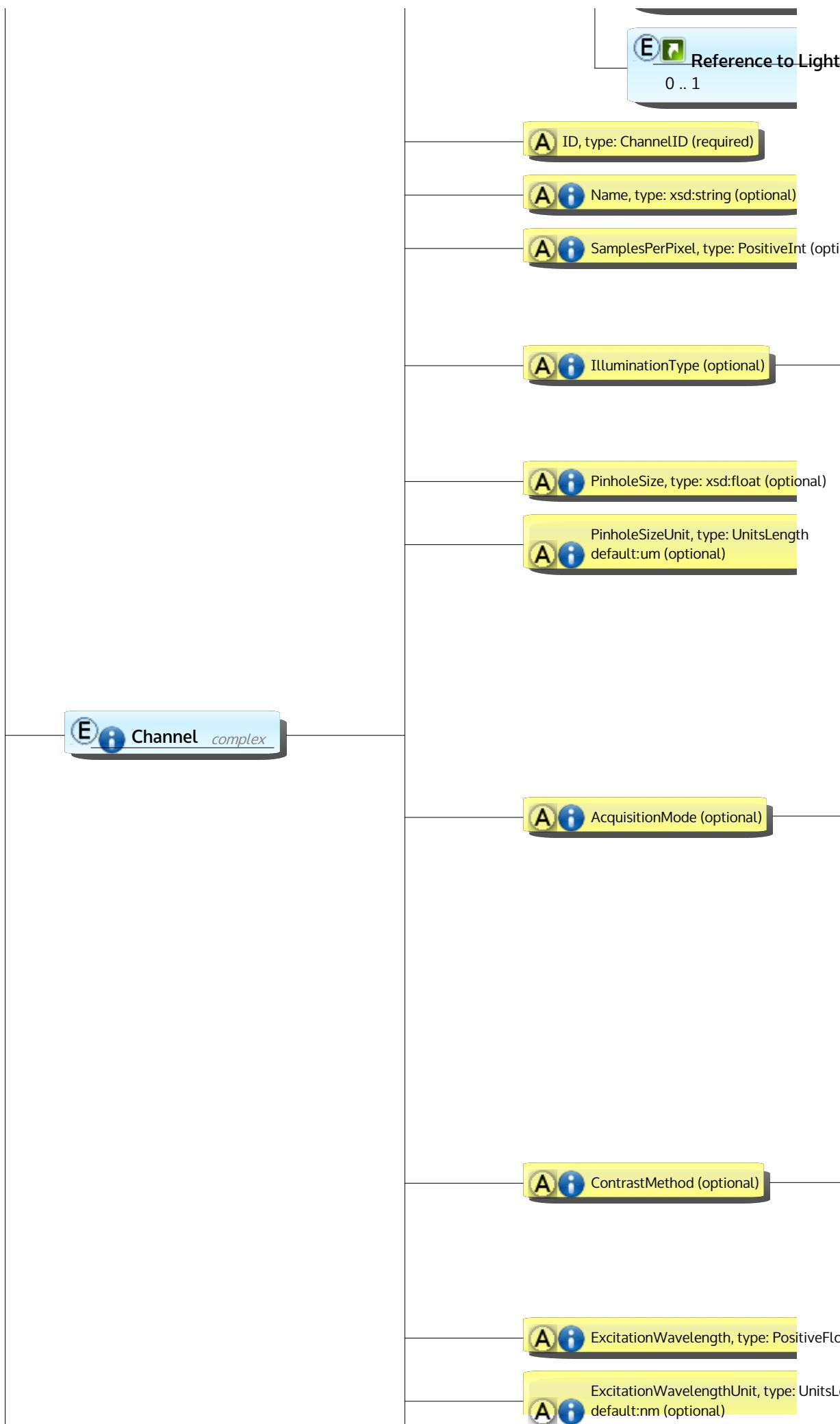
A  Creator, type: xsd:string (optional)

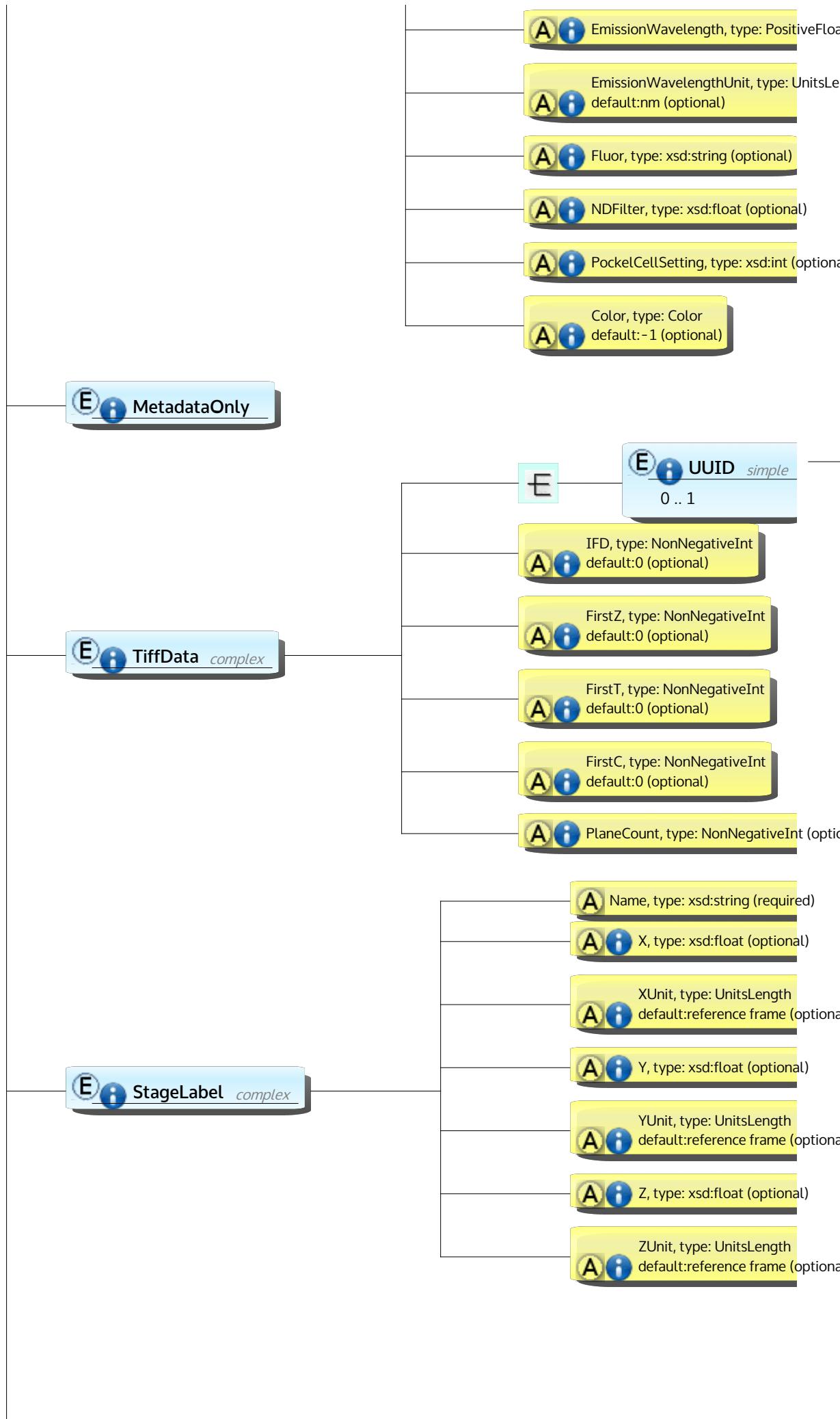
E  AcquisitionDate xsd:date

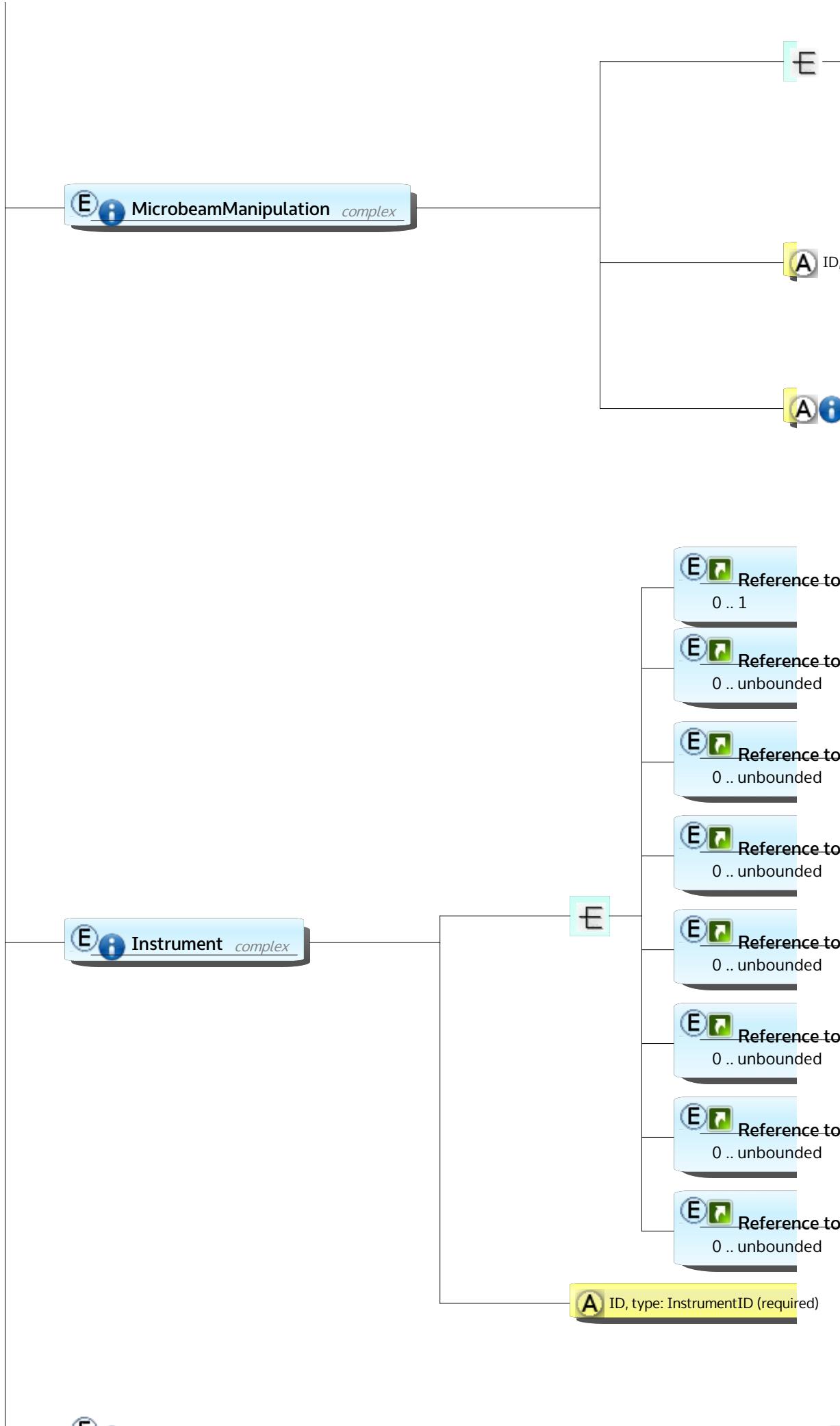


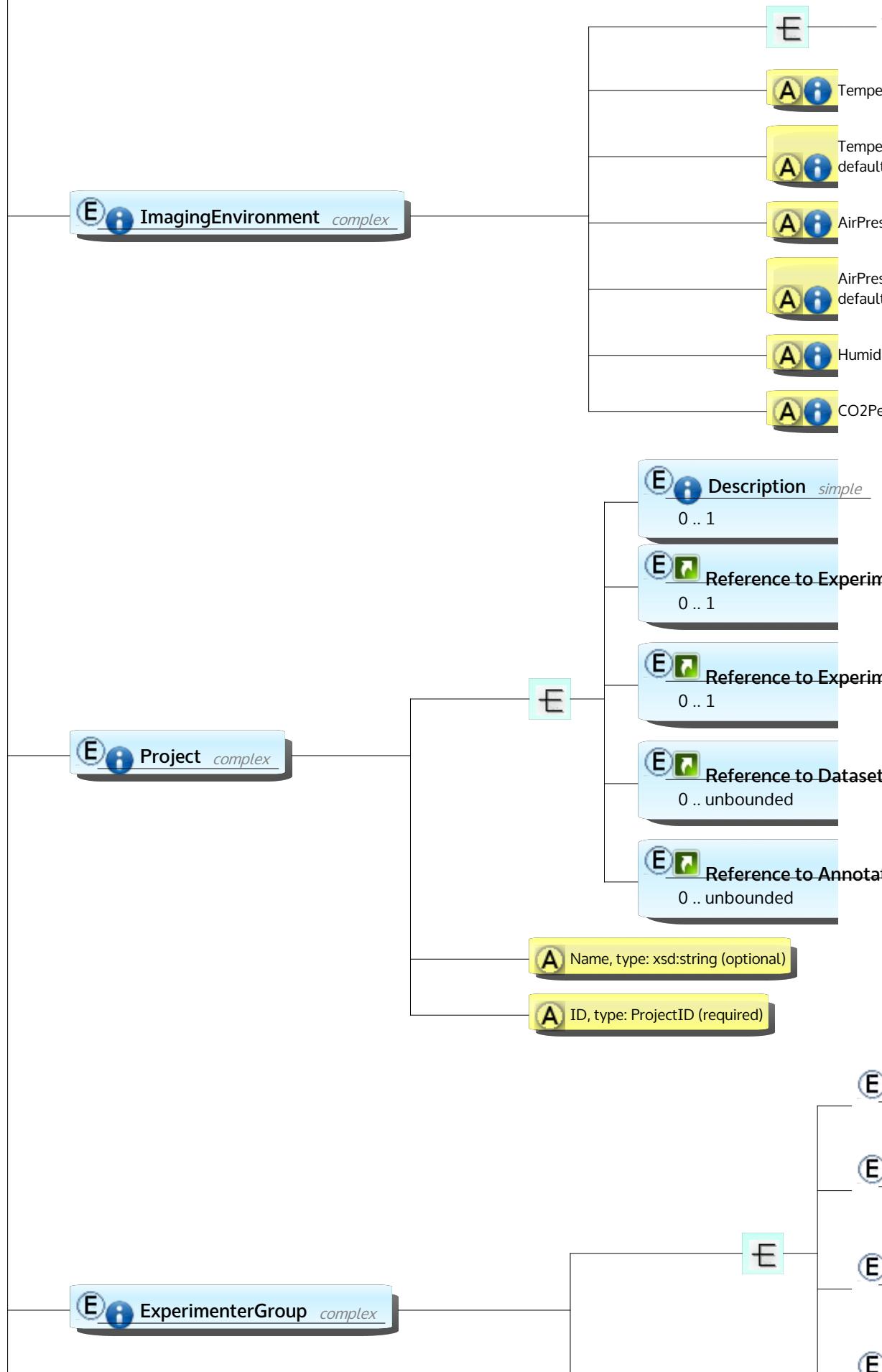


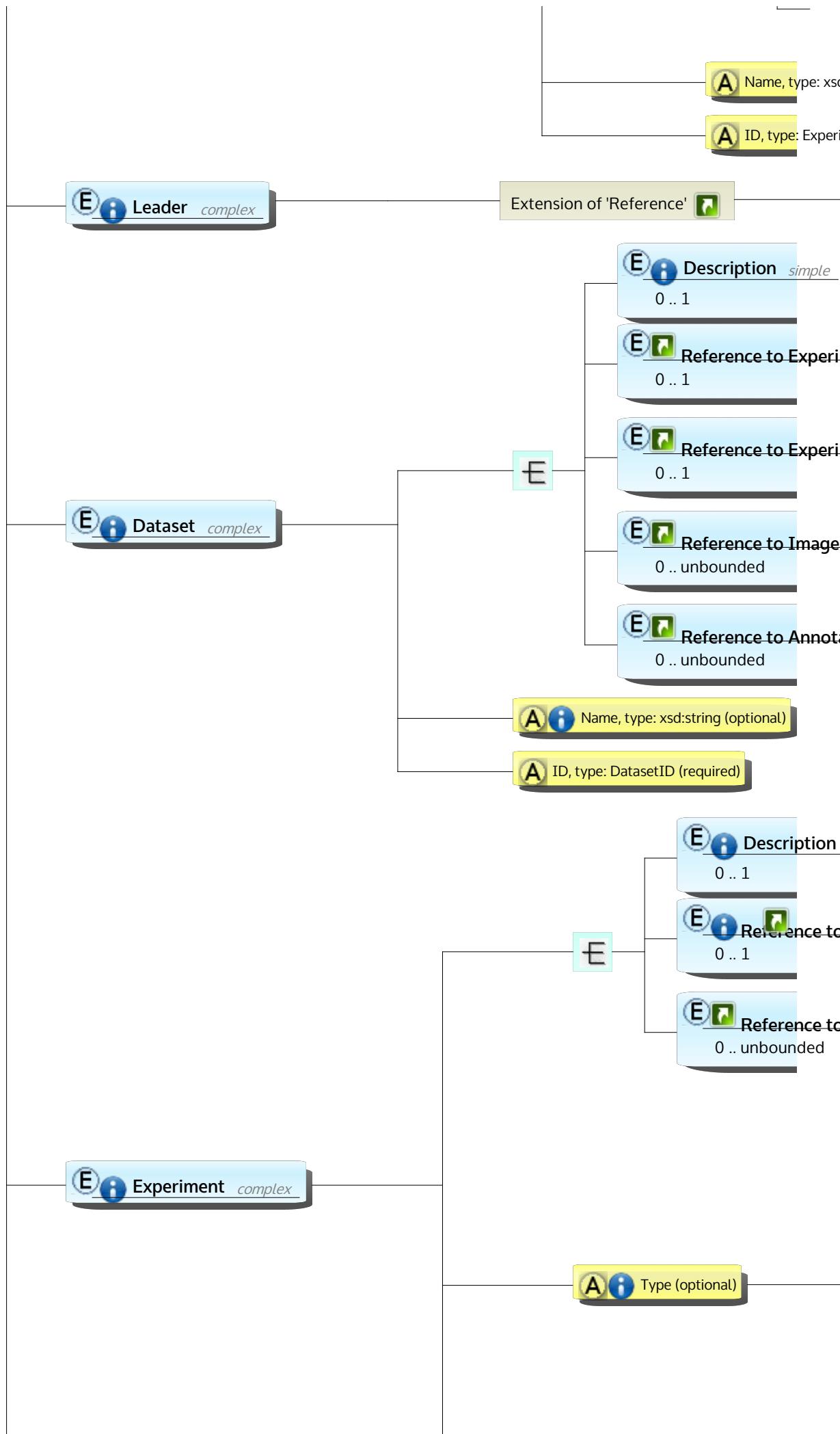


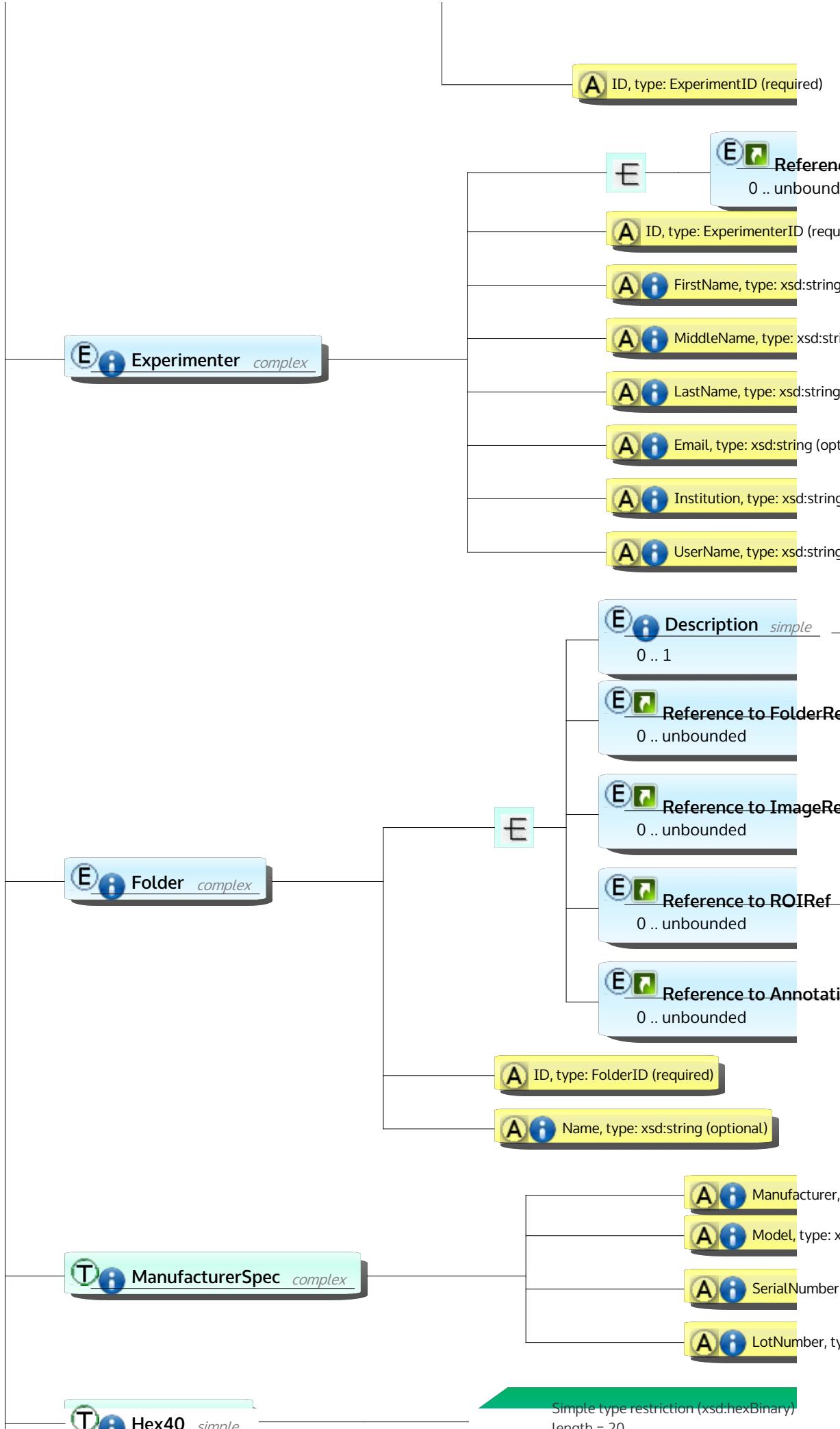


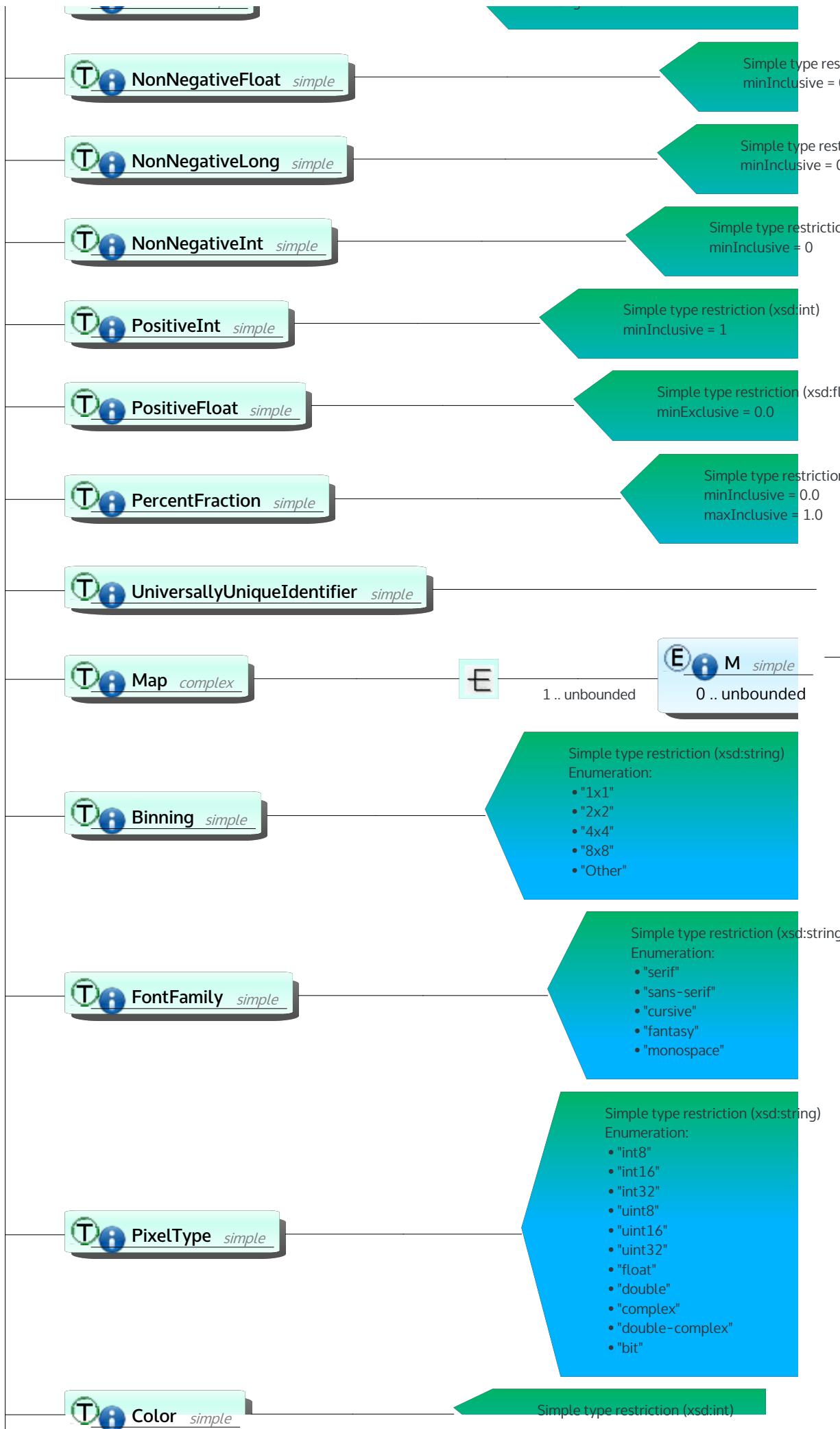












Simple type restriction (xsd:string)

Enumeration:

- "Ym"
- "Zm"
- "Em"
- "Pm"
- "Tm"
- "Gm"
- "Mm"
- "km"
- "hm"
- "dam"
- "m"
- "dm"
- "cm"
- "mm"
- "um"
- "nm"
- "pm"
- "fm"
- "am"
- "zm"
- "ym"
- "Å"
- "thou"
- "li"
- "in"
- "ft"
- "yd"
- "mi"
- "ua"
- "ly"
- "pc"
- "pt"
- "pixel"
- "reference frame"



UnitsLength simple

Simple type restriction (xsd:string)

Enumeration:

- "Ys"
- "Zs"
- "Es"
- "Ps"
- "Ts"
- "Gs"
- "Ms"
- "ks"
- "hs"
- "das"
- "s"
- "ds"
- "cs"
- "ms"
- "us"
- "ns"
- "ps"
- "fs"
- "as"
- "zs"
- "ys"
- "min"
- "h"
- "d"

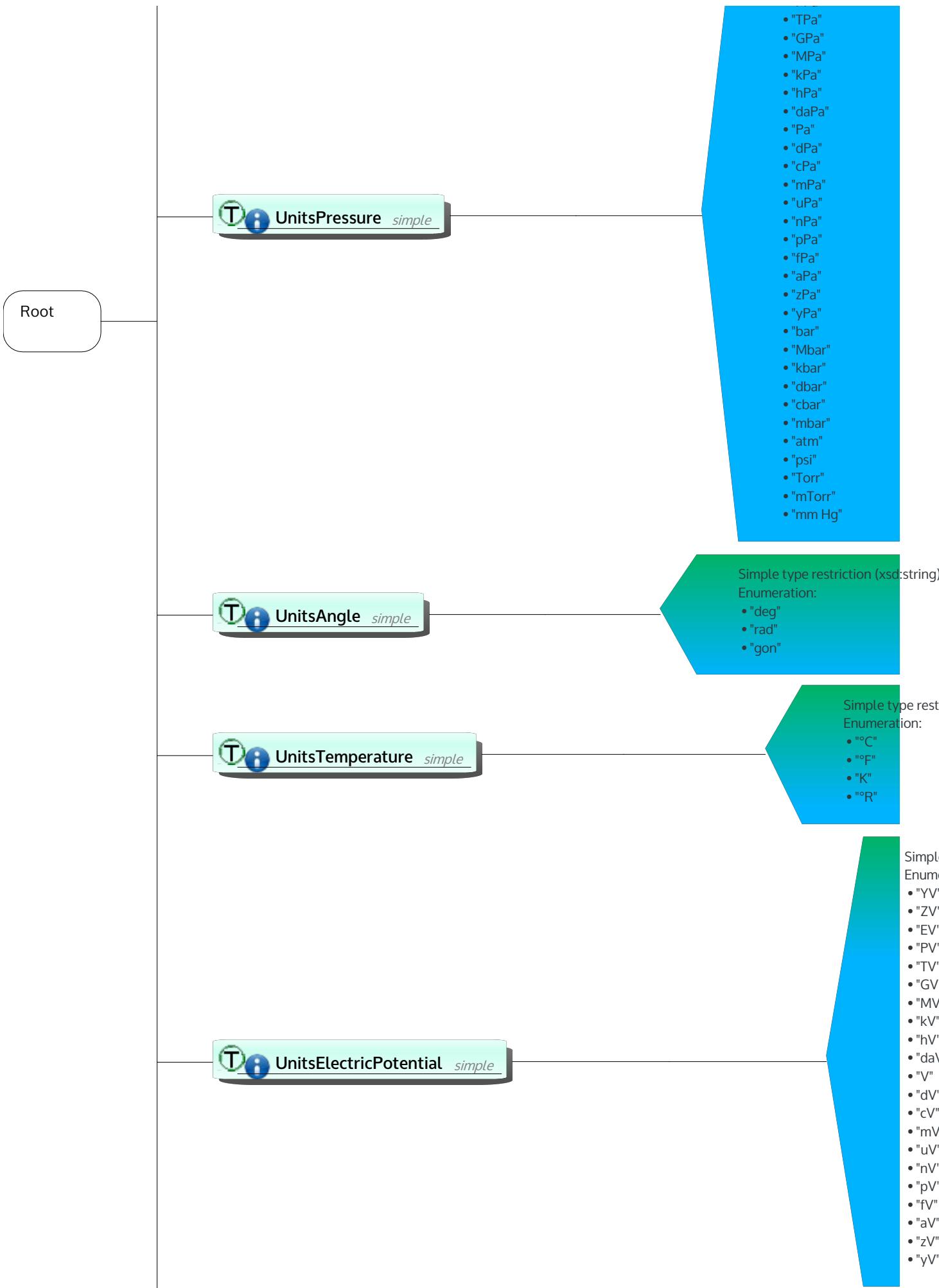


UnitsTime simple

Simple type restriction (xsd:string)

Enumeration:

- "YPa"
- "ZPa"
- "EPa"
- "PPa"





UnitsPower *simple*

- "YW"
- "ZW"
- "EW"
- "PW"
- "TW"
- "GW"
- "MW"
- "kW"
- "hW"
- "daW"
- "W"
- "dW"
- "cW"
- "mW"
- "uW"
- "nW"
- "pW"
- "fW"
- "aW"
- "zW"
- "yW"



UnitsFrequency *simple*

Simple type restriction  
Enumeration:

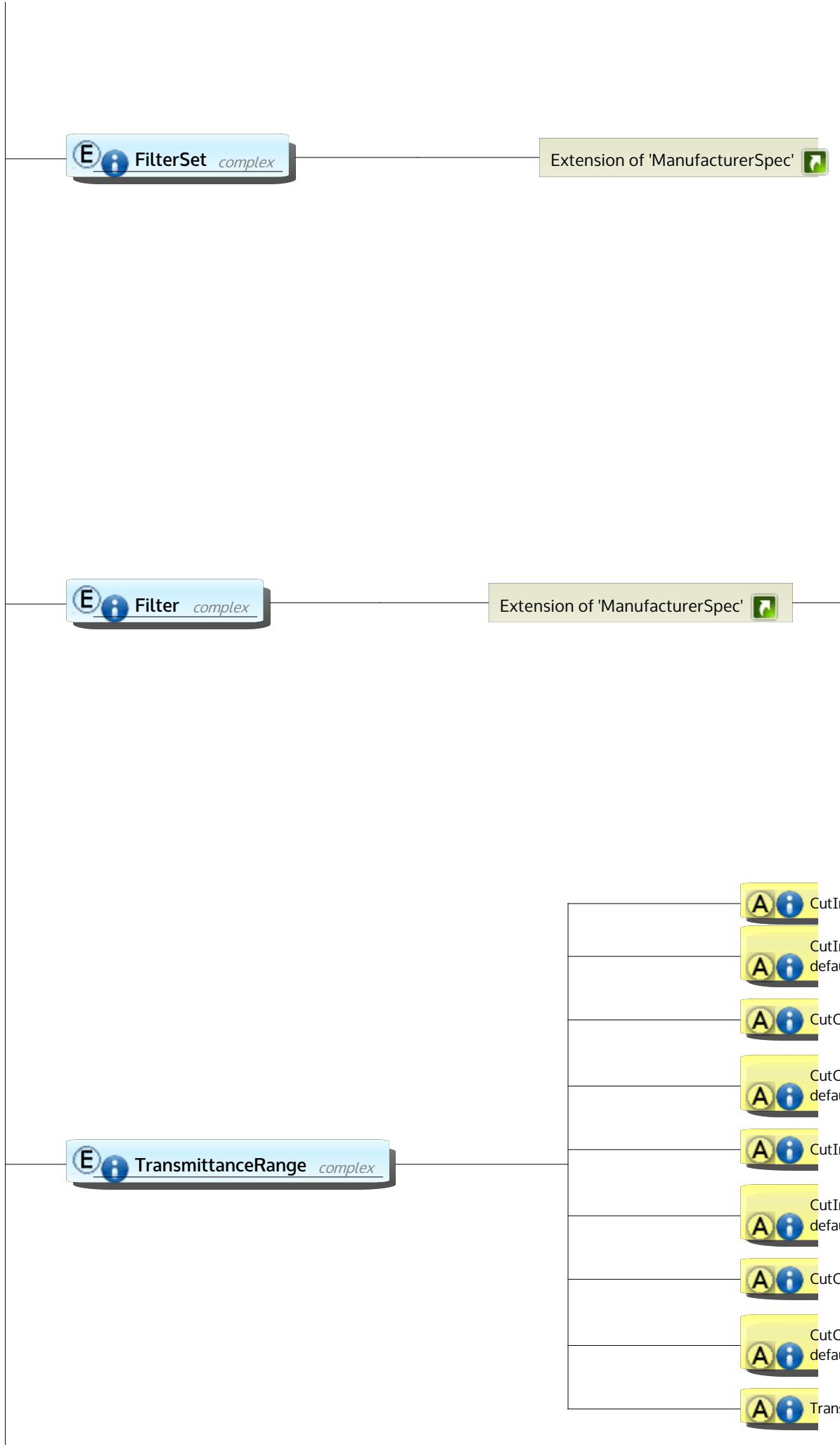
- "YHz"
- "ZHz"
- "EHz"
- "PHz"
- "THz"
- "GHz"
- "MHz"
- "kHz"
- "hHz"
- "daHz"
- "Hz"
- "dHz"
- "cHz"
- "mHz"
- "uHz"
- "nHz"
- "pHz"
- "fHz"
- "aHz"
- "zHz"
- "yHz"

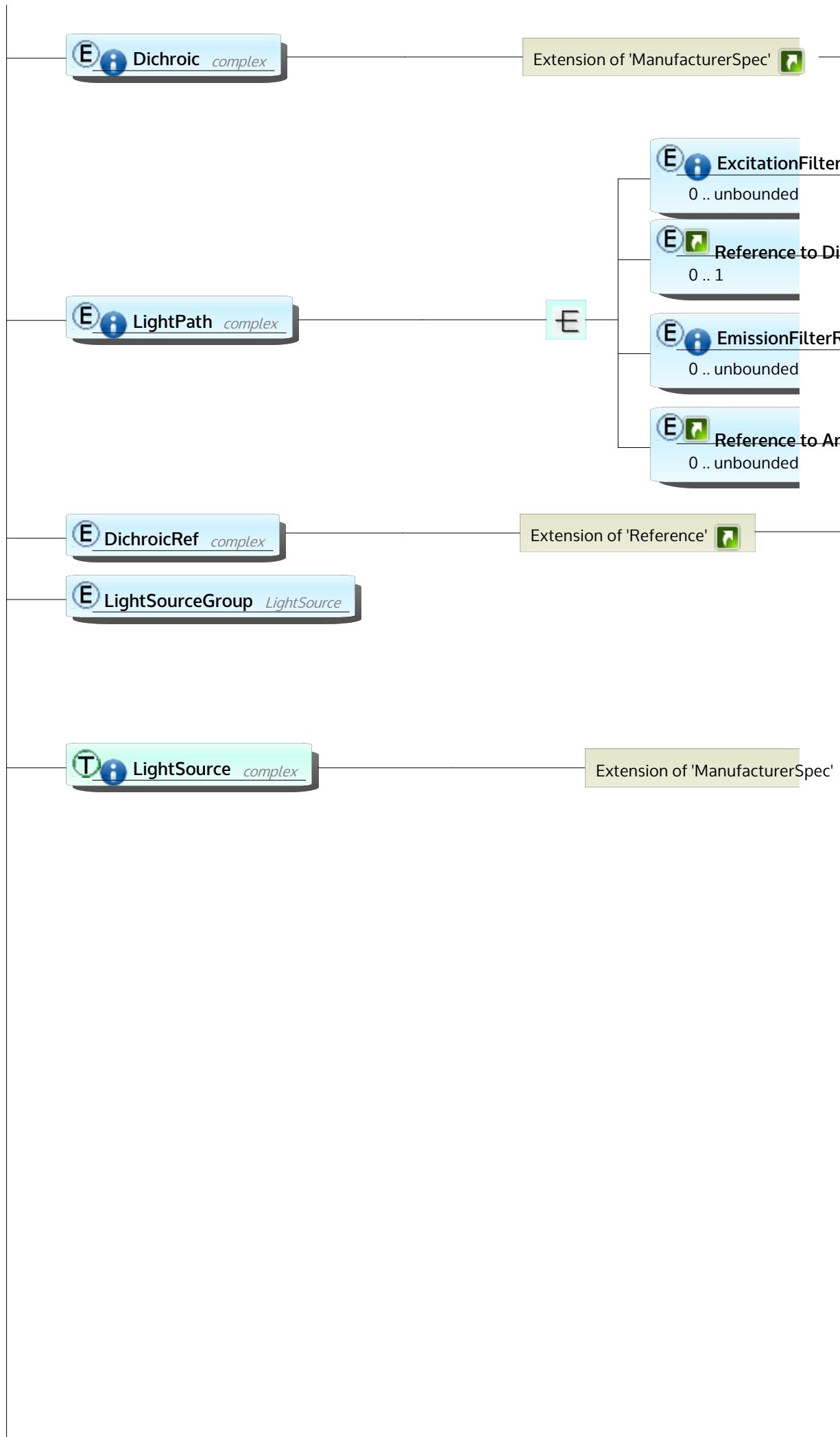


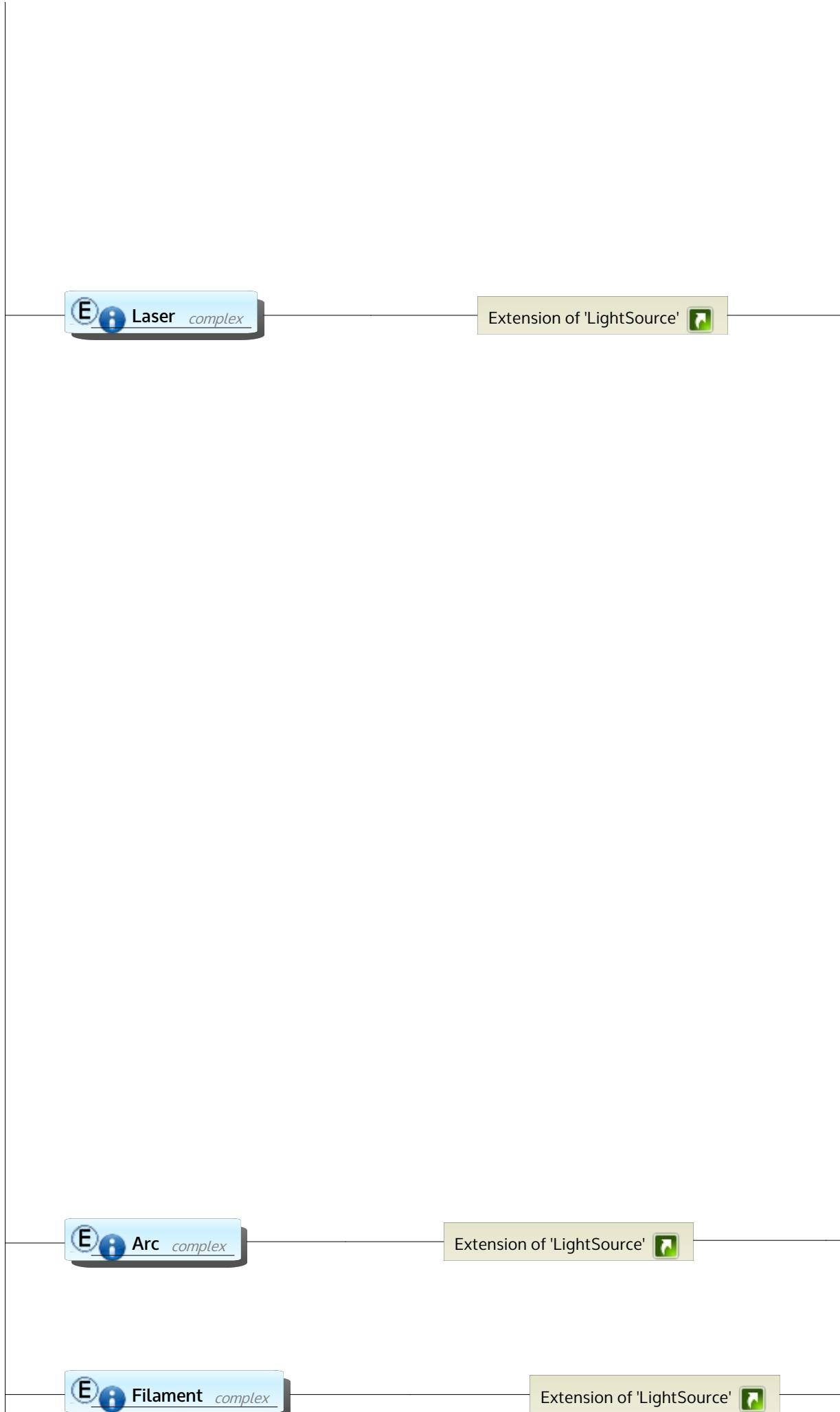
Extension of 'ManufacturerSpec' 

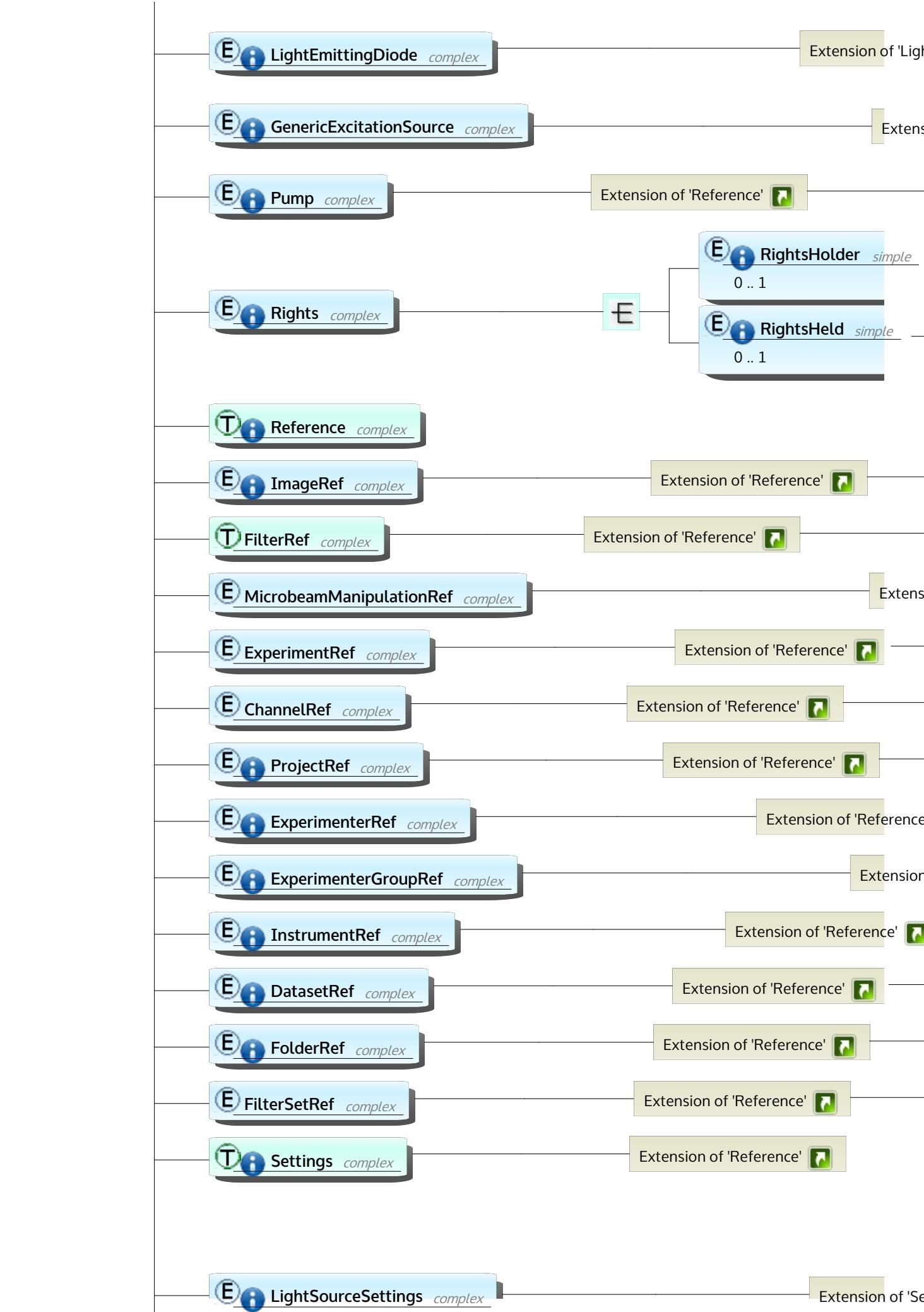


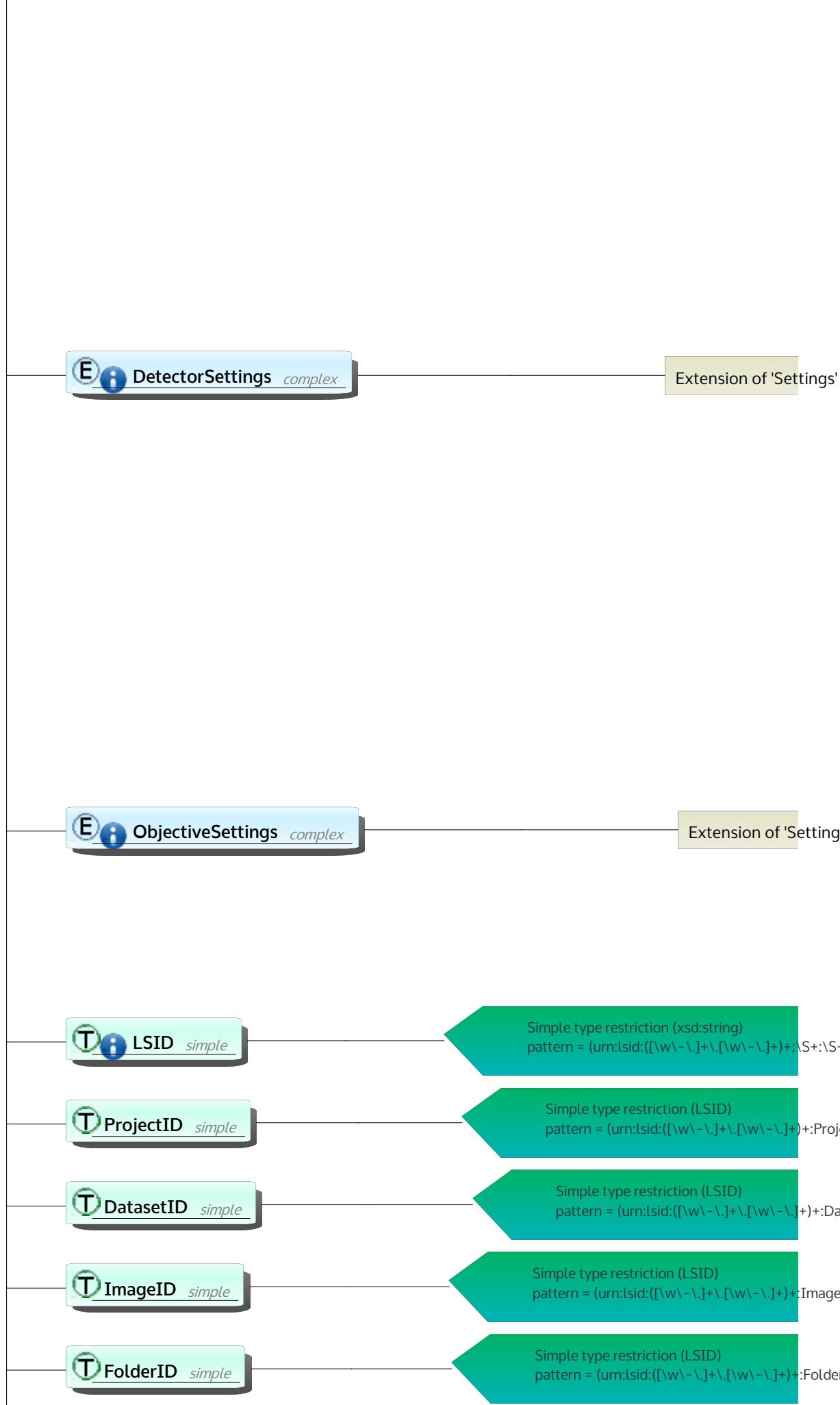
Extension of 'ManufacturerSpec' 

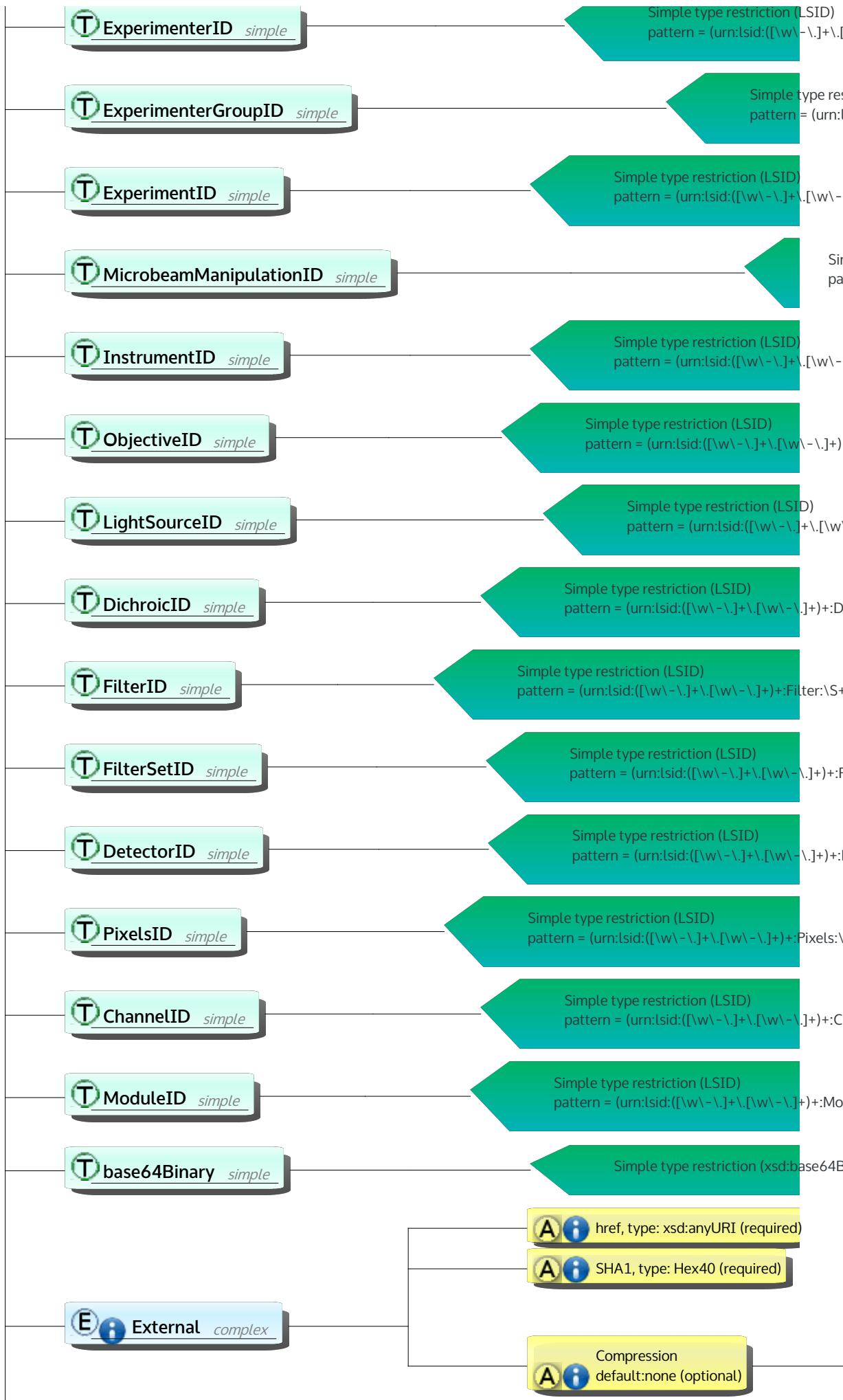


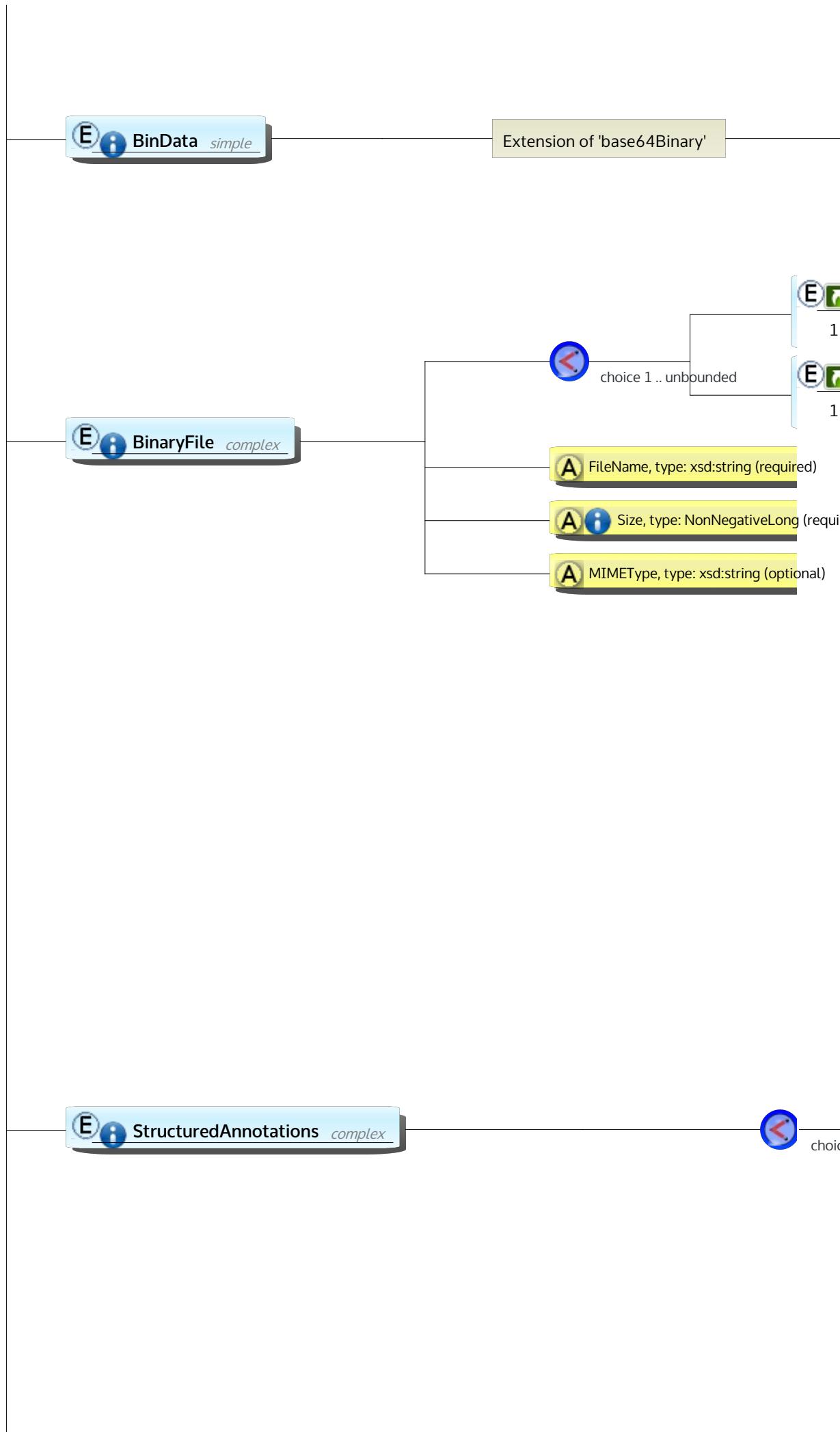


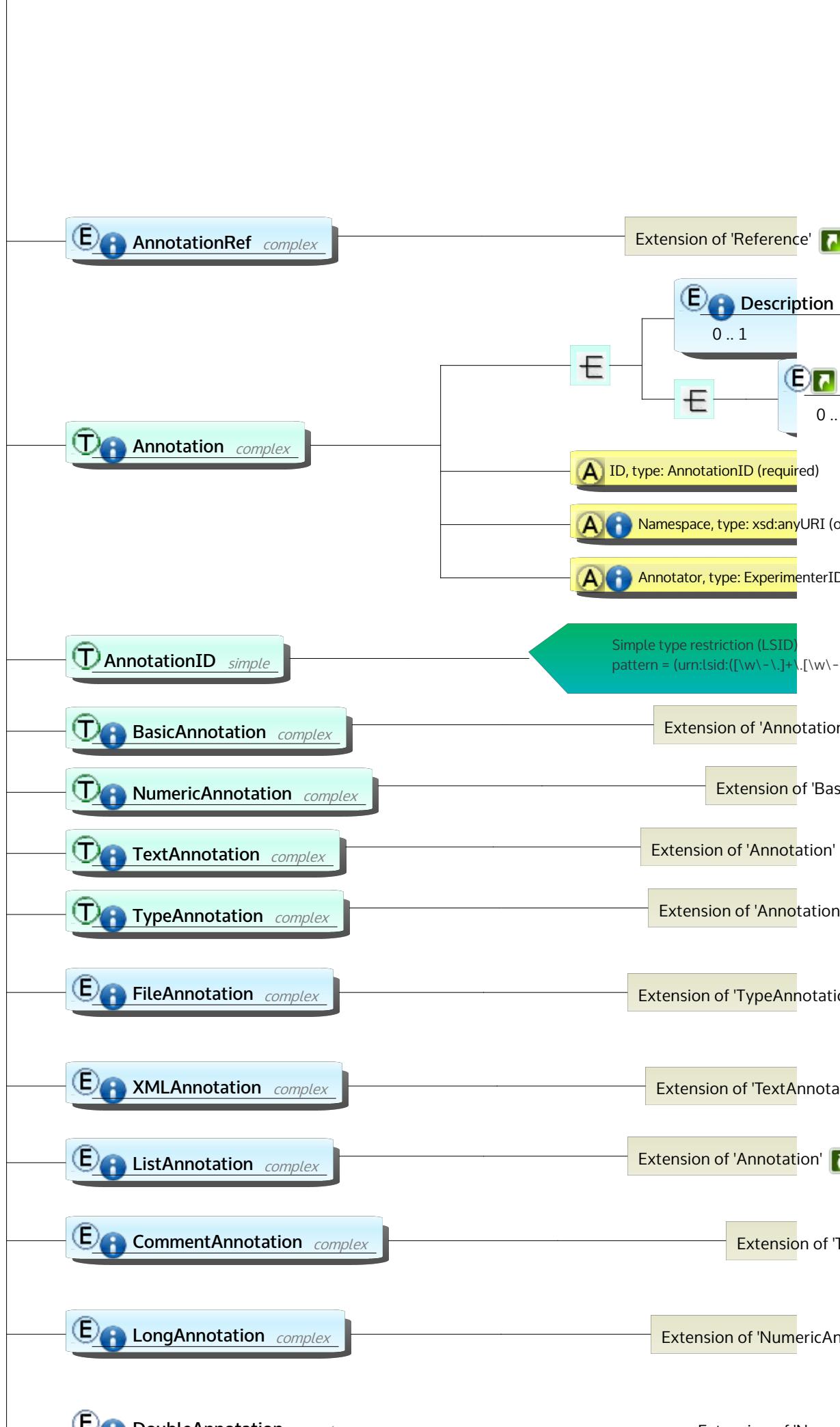


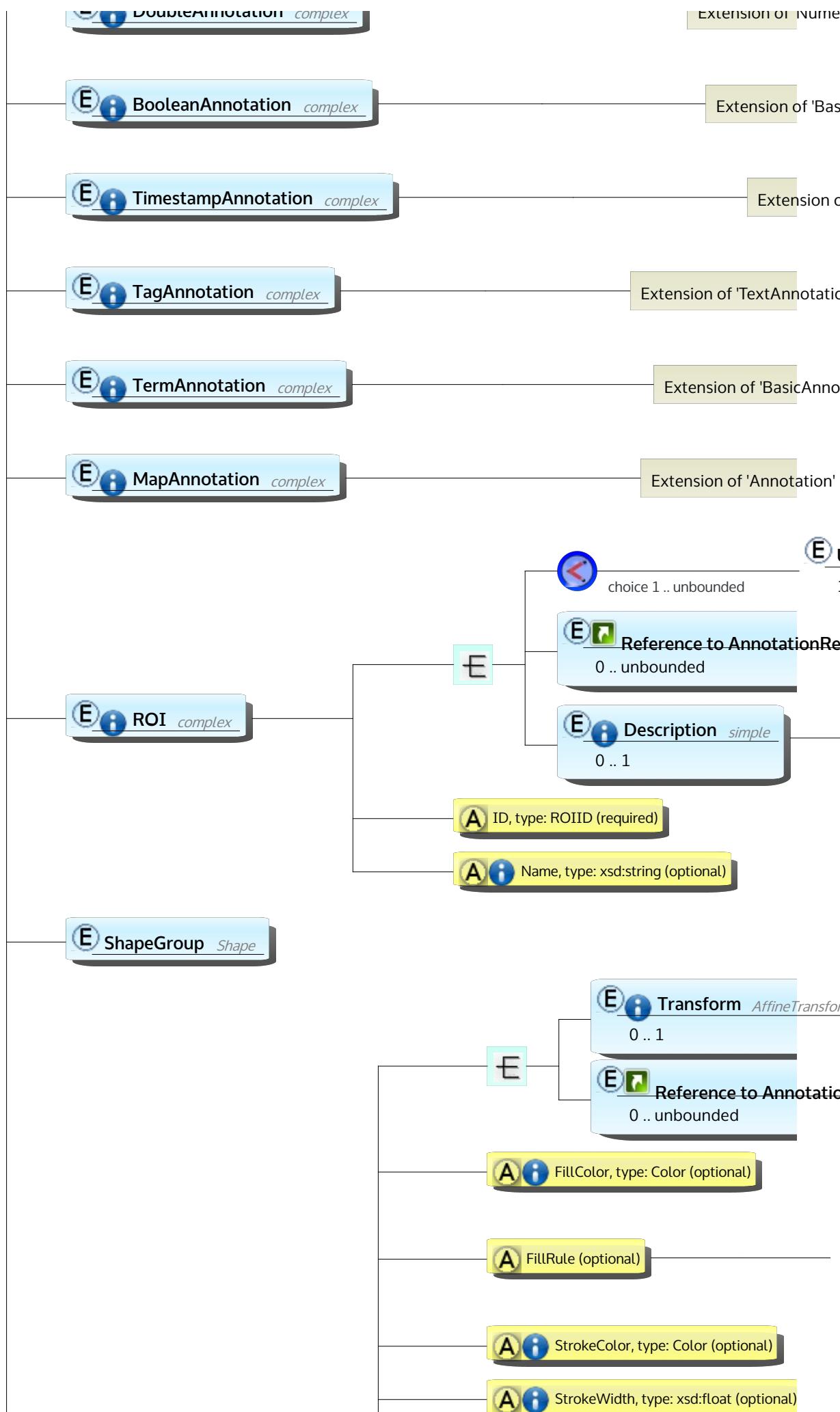


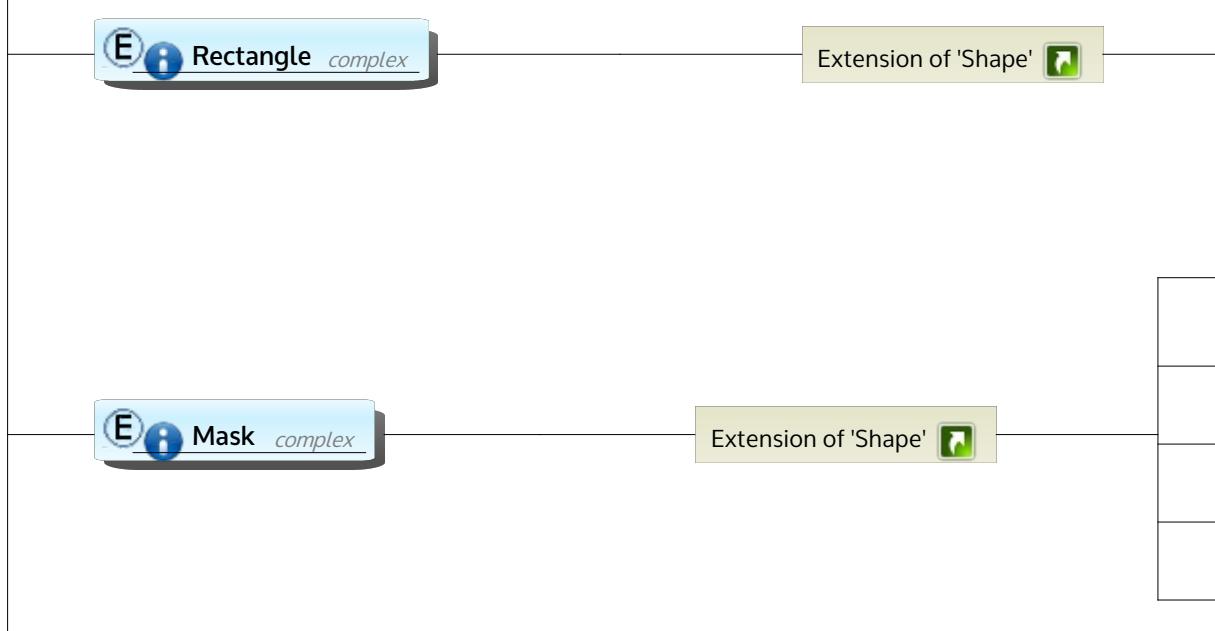
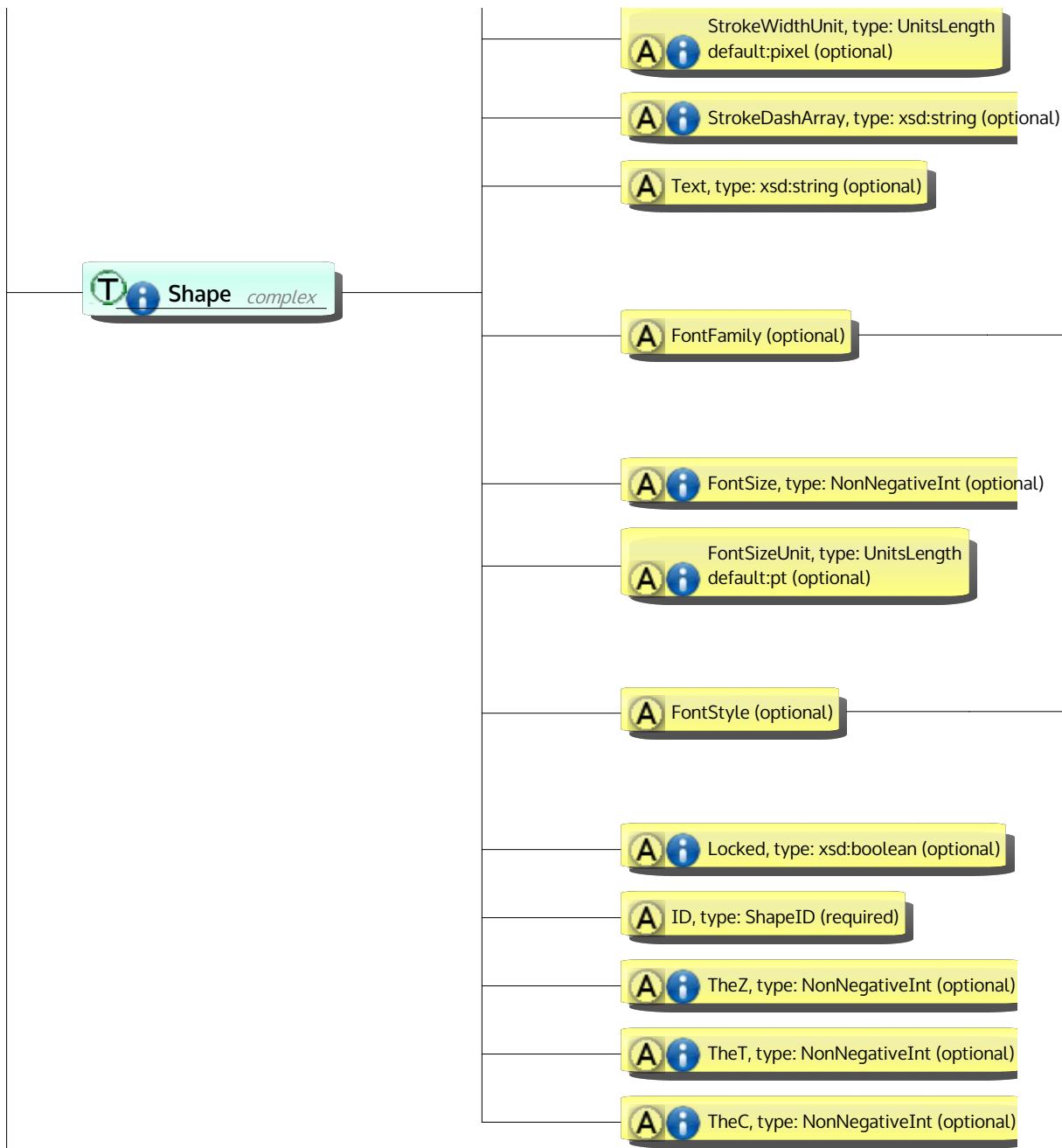


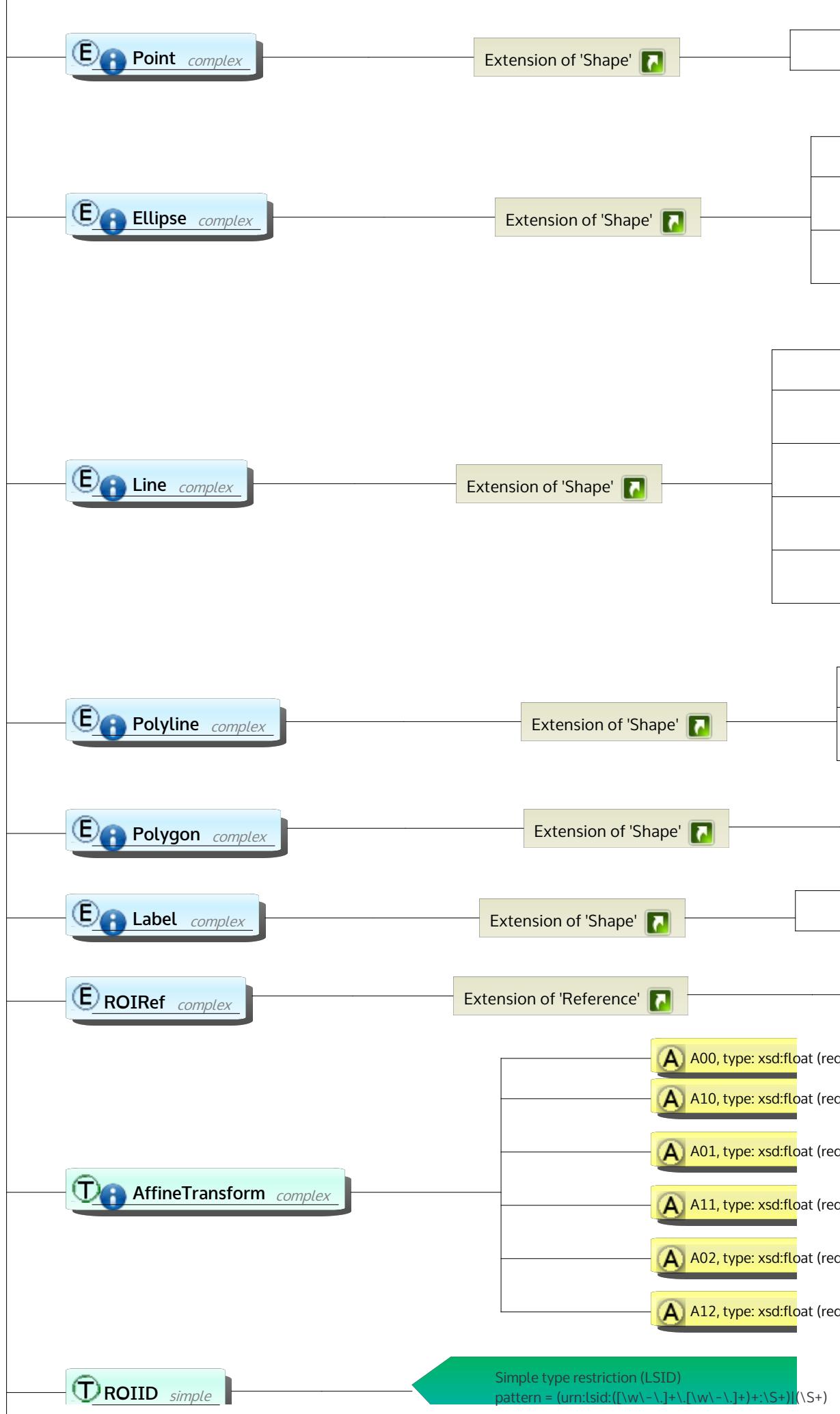


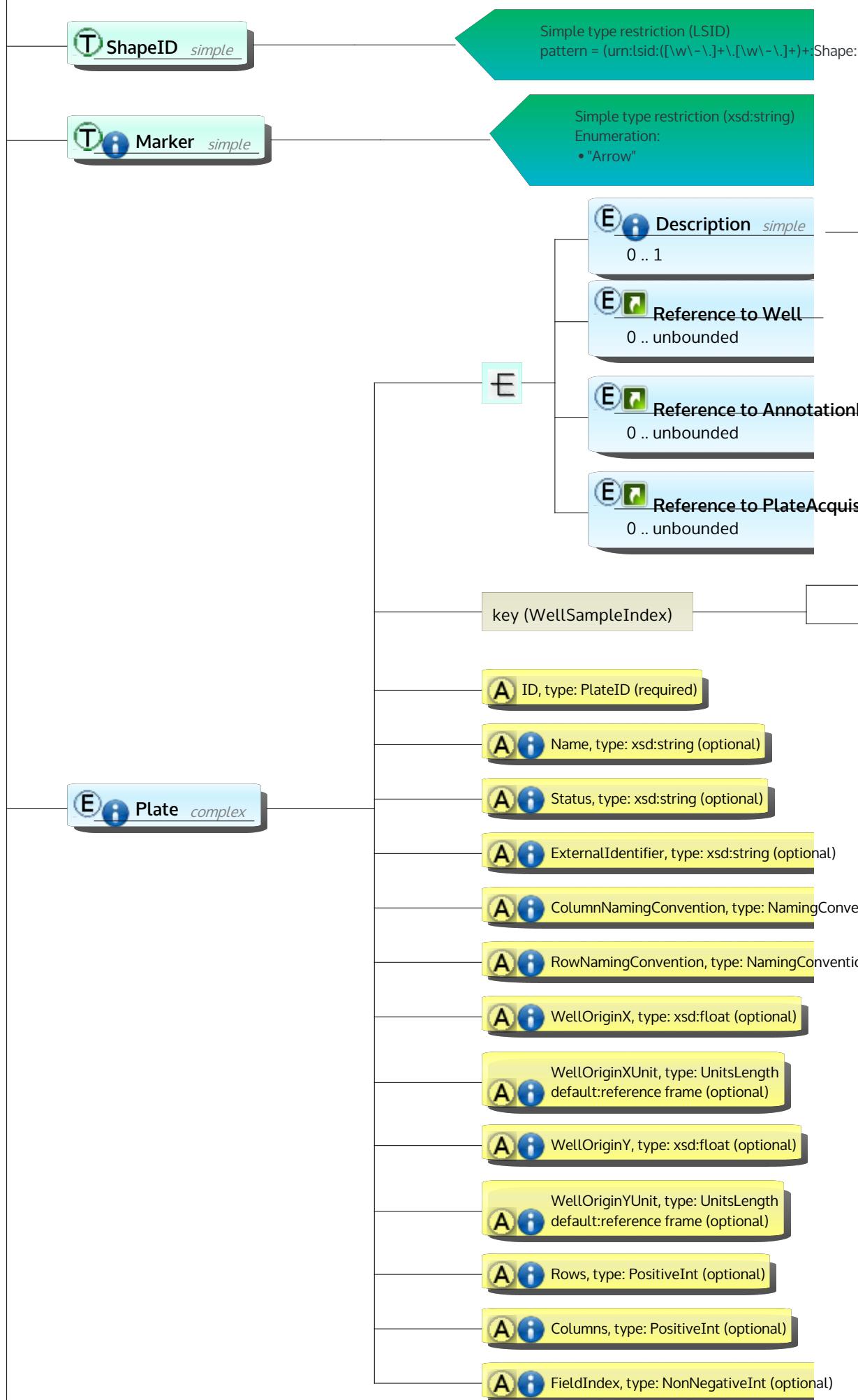


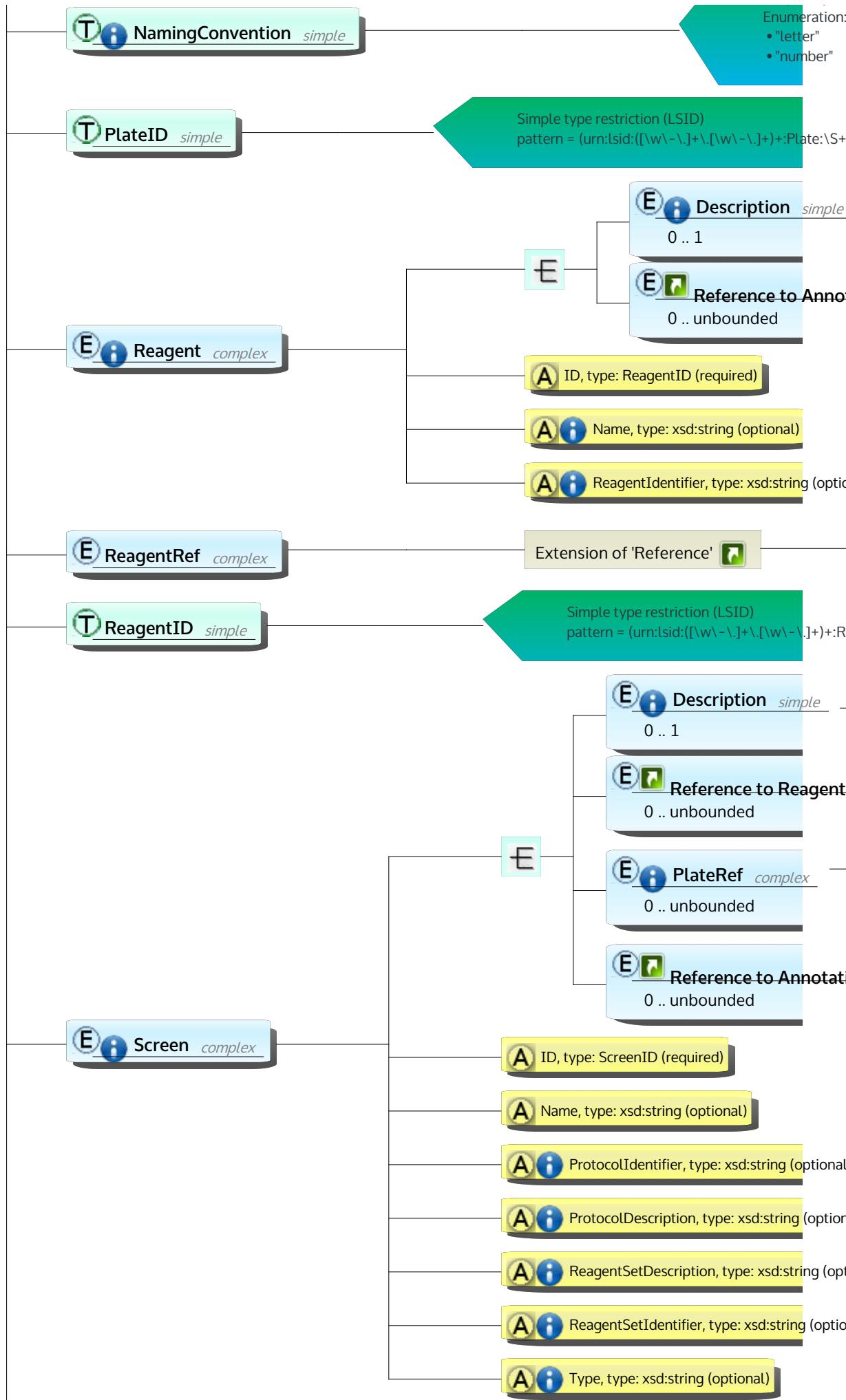


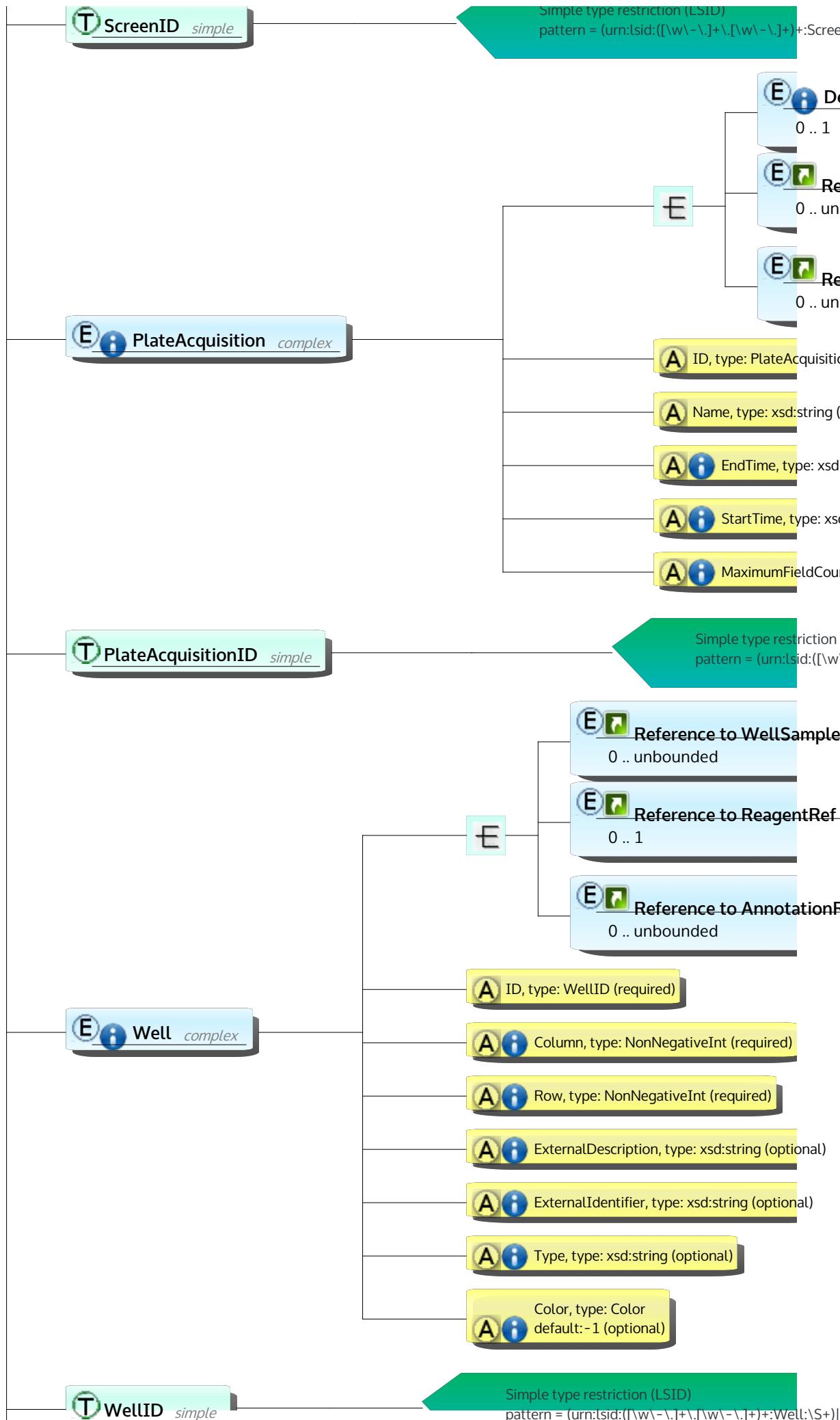


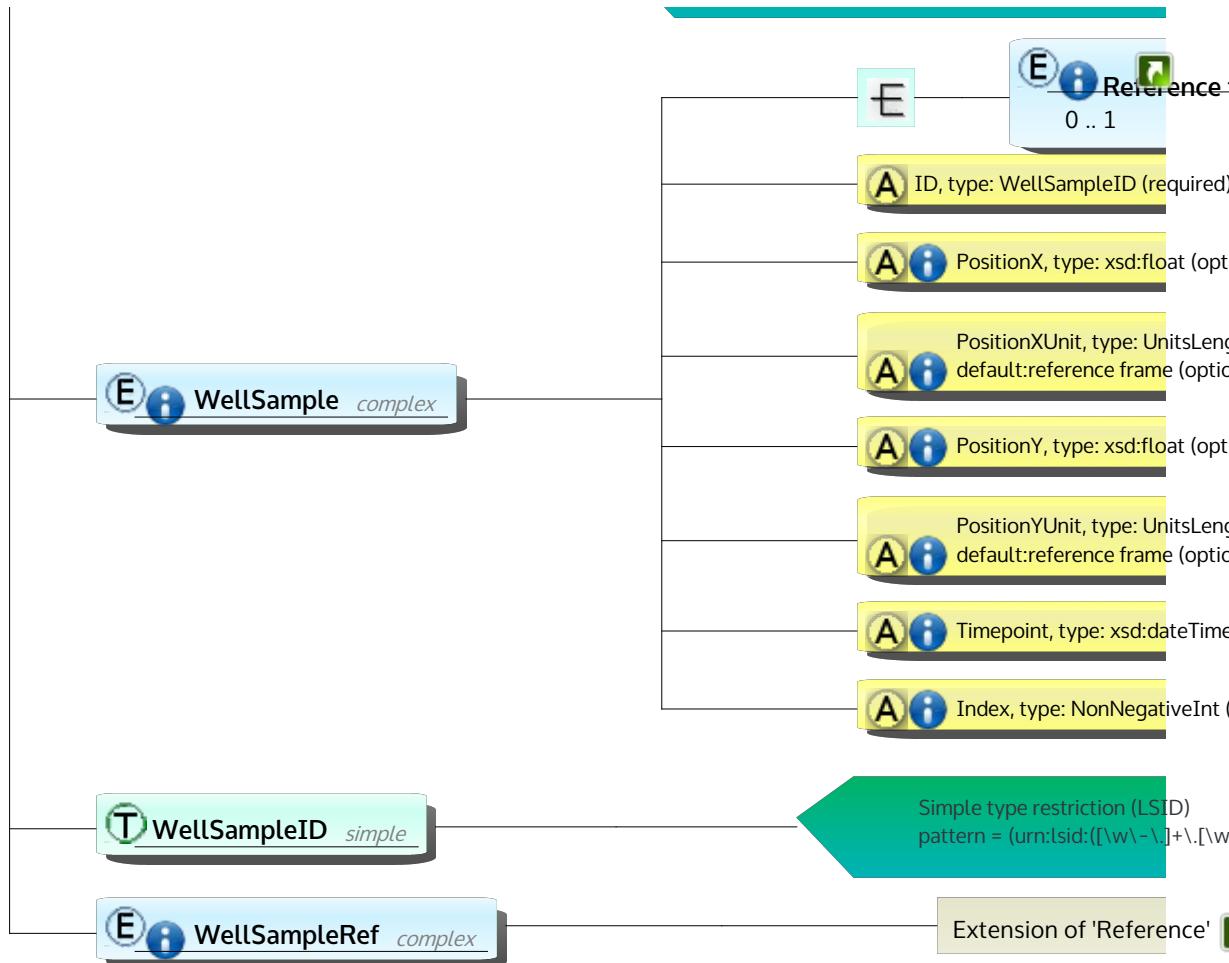






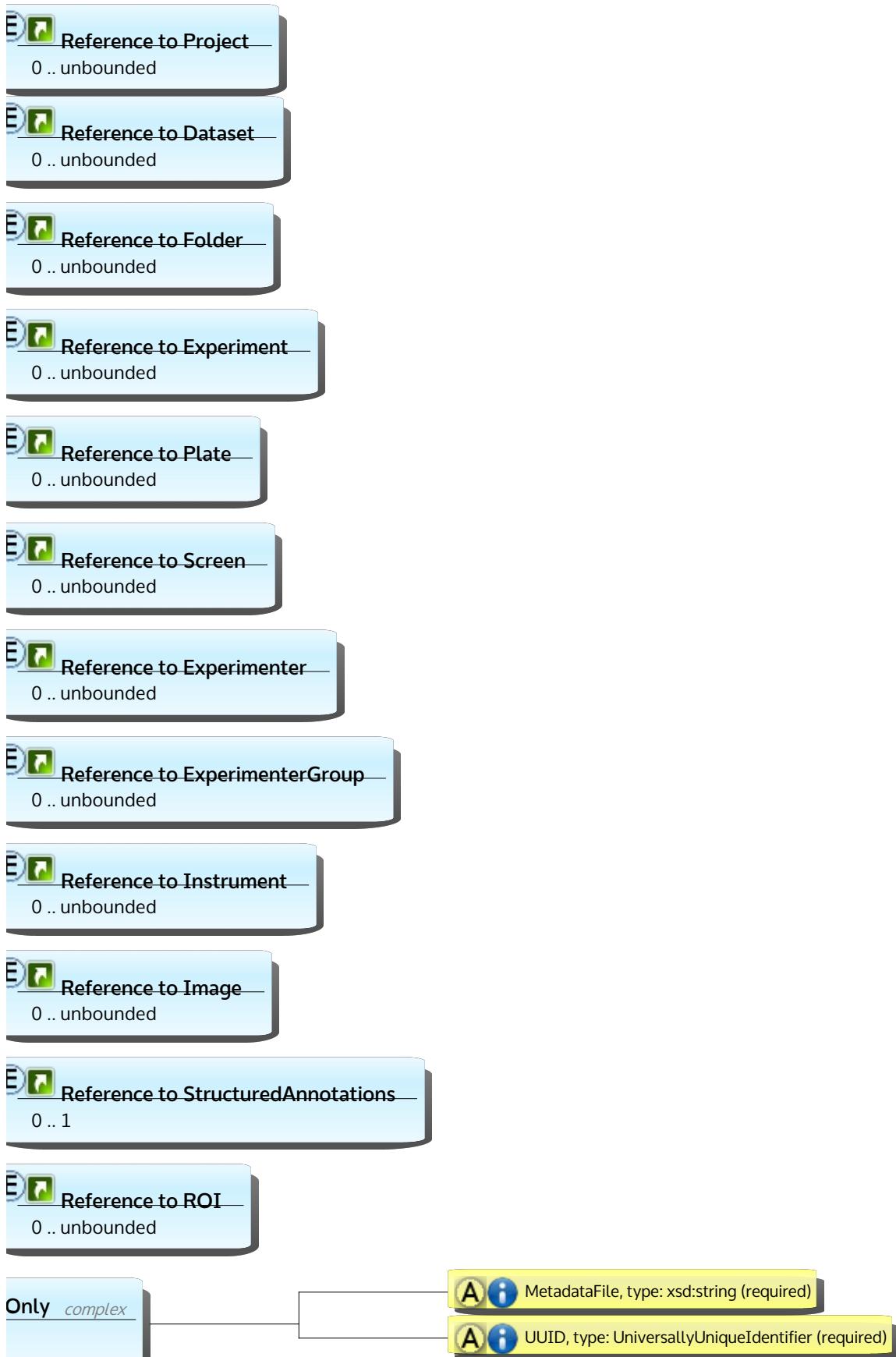


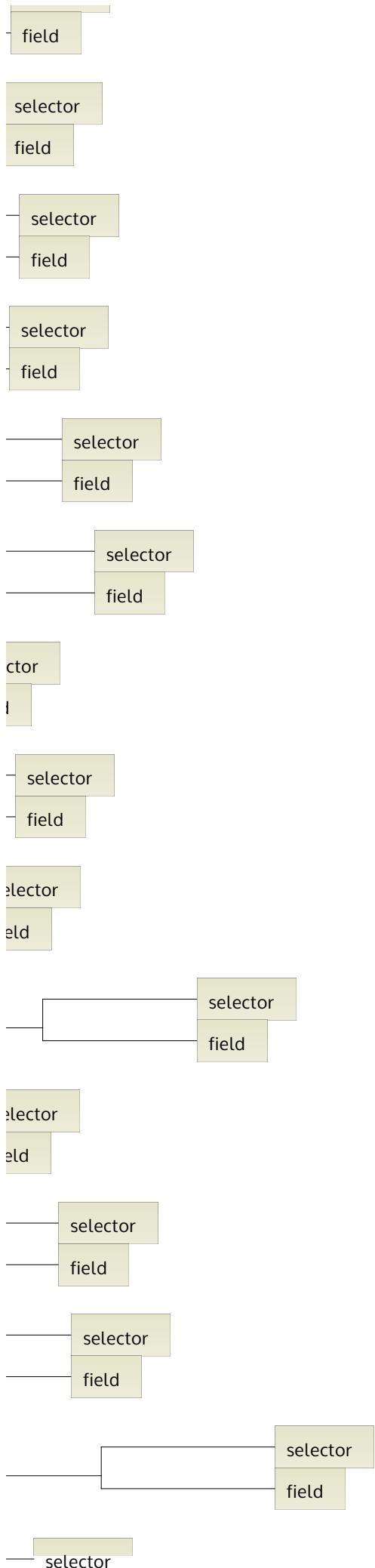


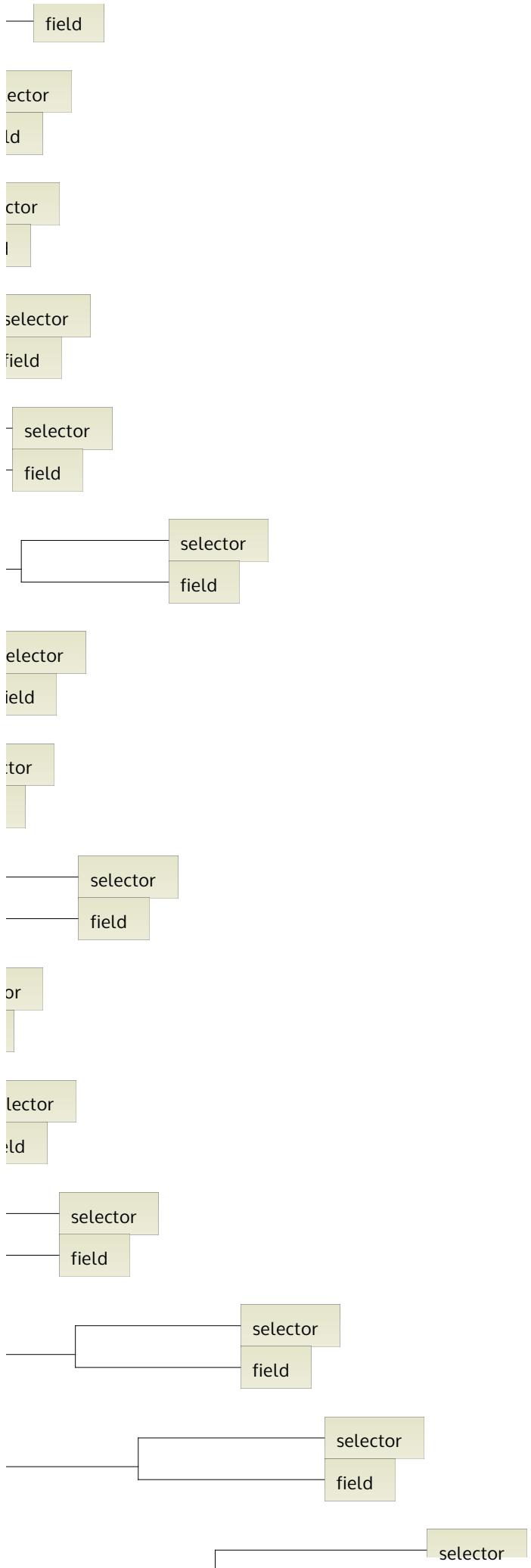


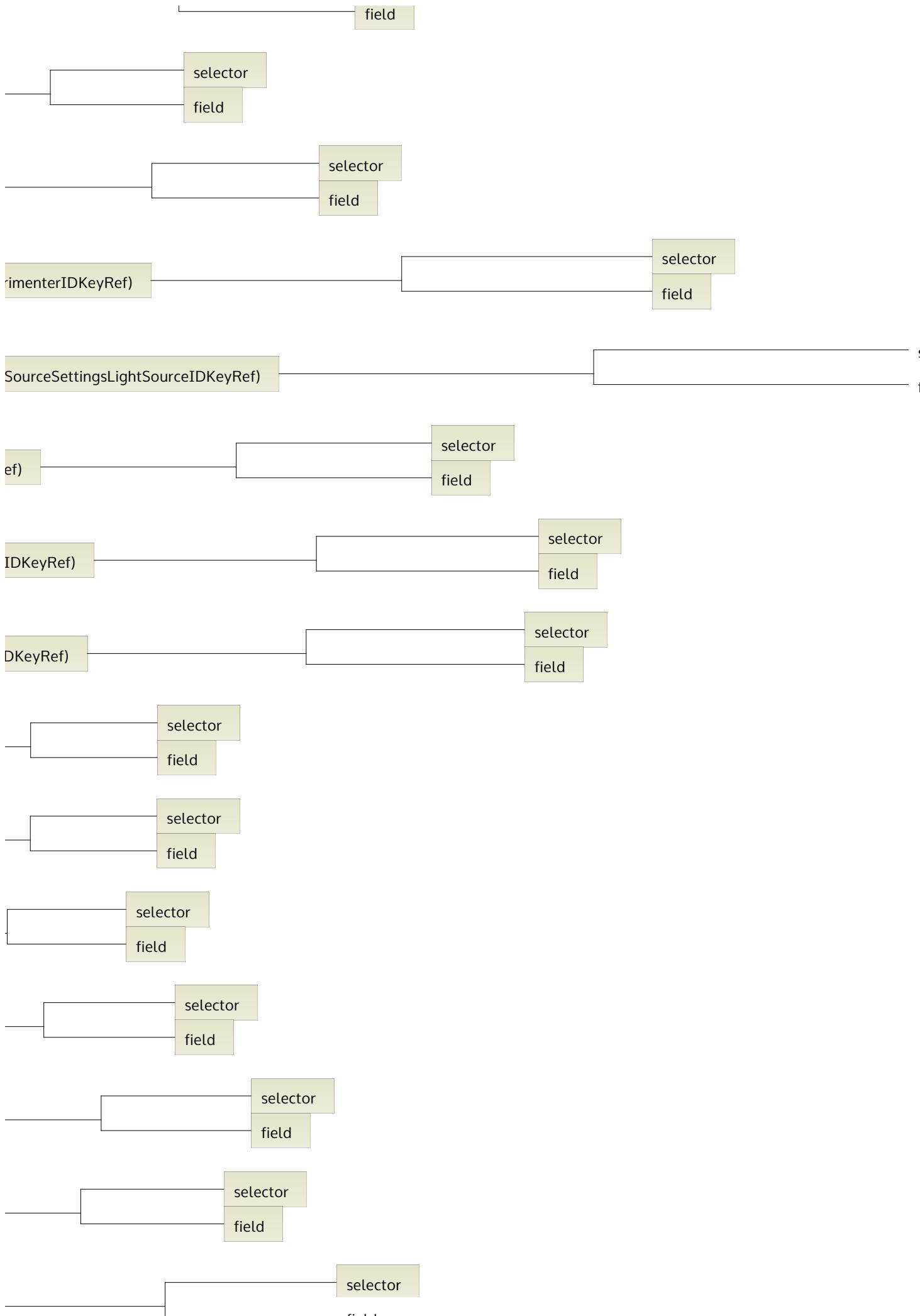


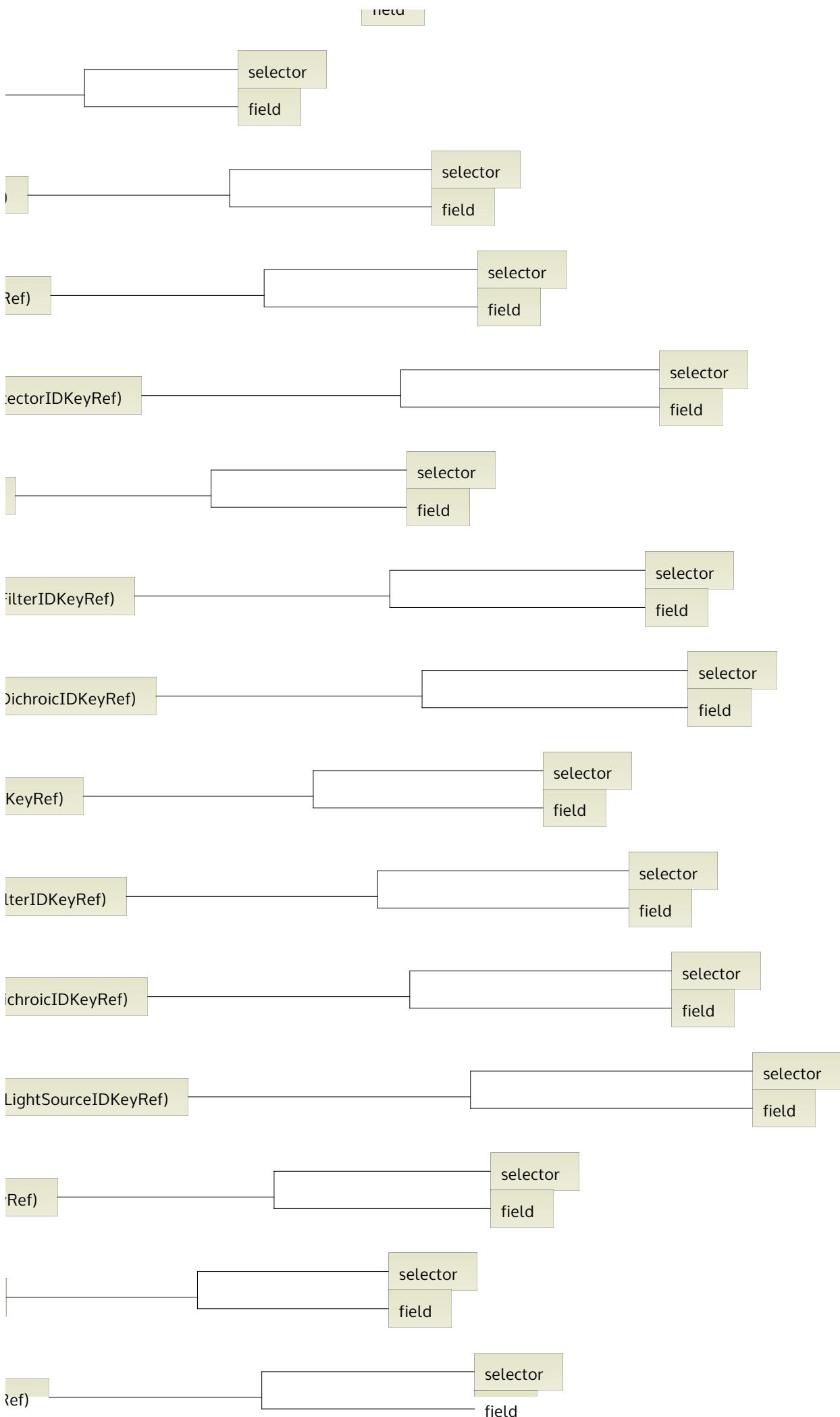


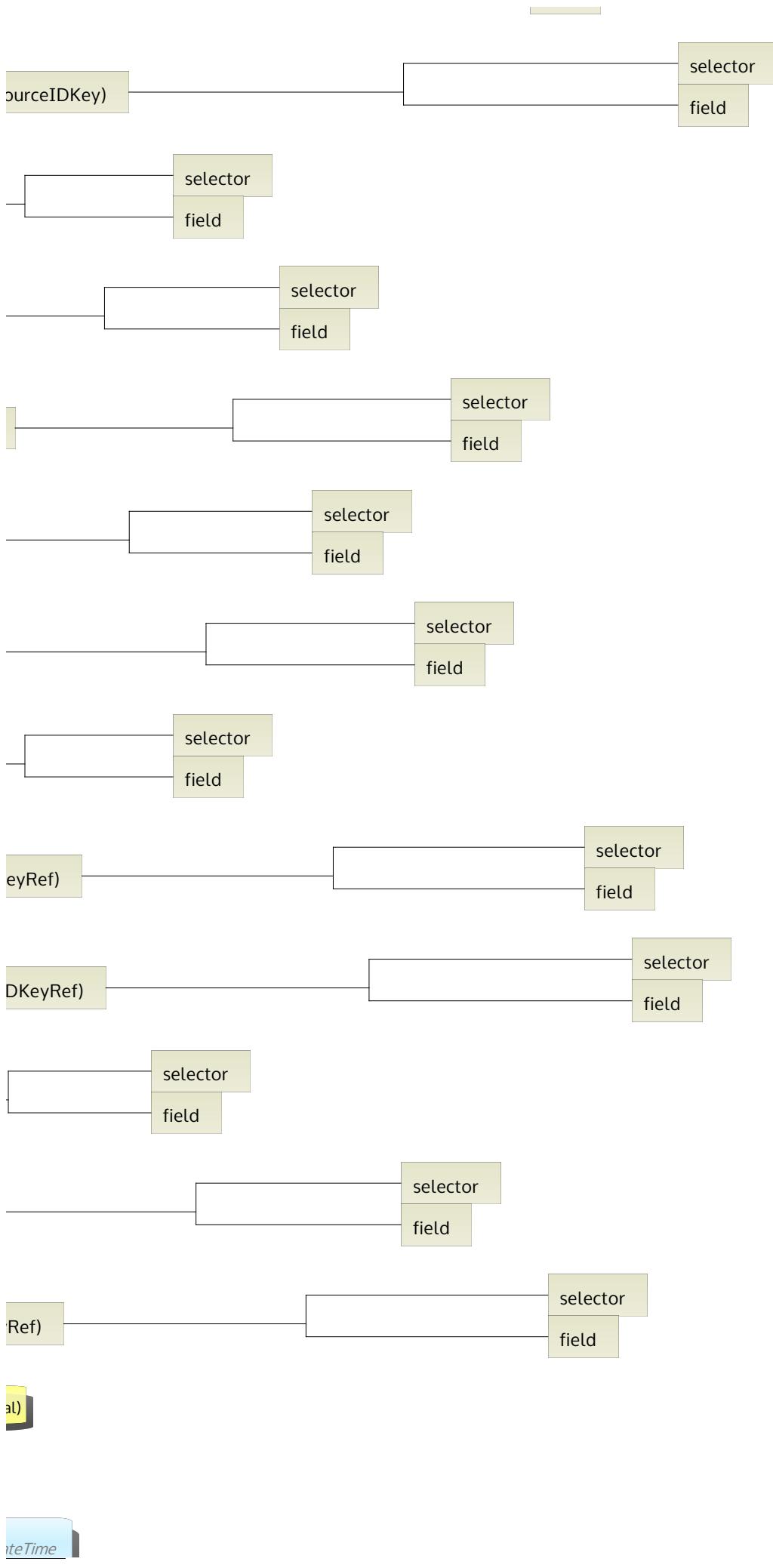


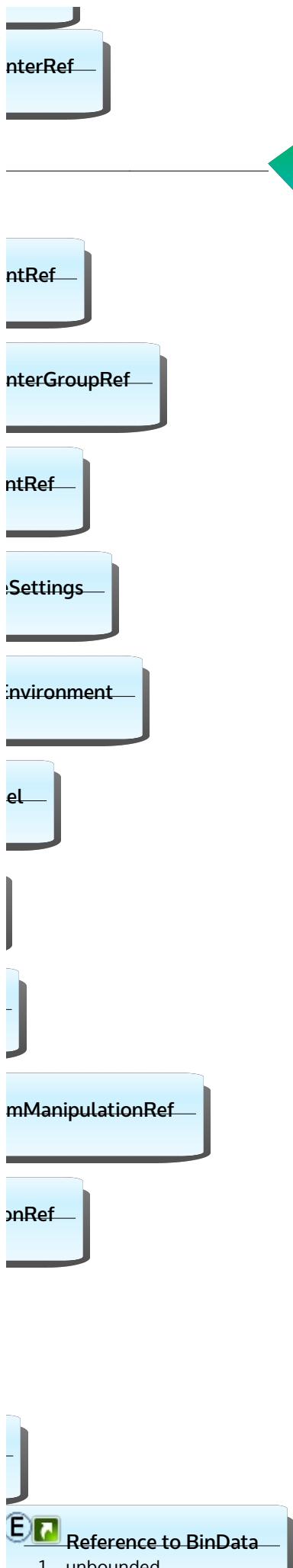












Simple type restriction (xsd:string)  
whiteSpace = preserve

  Reference to TiffData  
1 .. unbounded

  Reference to MetadataOnly  
1 .. 1

Simple type restriction (xsd:string)

Enumeration:

- "XYZCT"
- "XYZTC"
- "XYCTZ"
- "XYCZT"
- "XYTCZ"
- "XYTZC"

E HashSHA1 Hex40  
1 .. 1

Ref

SourceSettings  
ActorSettings  
SetRef  
StationRef



onal)

Simple type restriction (xsd:string)

Enumeration:

- "Transmitted"
- "Epifluorescence"
- "Oblique"
- "NonLinear"
- "Other"

Simple type restriction (xsd:string)

Enumeration:

- "WideField"
- "LaserScanningConfocalMicroscopy"
- "SpinningDiskConfocal"
- "SlitScanConfocal"
- "MultiPhotonMicroscopy"
- "StructuredIllumination"
- "SingleMoleculeImaging"
- "TotalInternalReflection"
- "FluorescenceLifetime"
- "SpectralImaging"
- "FluorescenceCorrelationSpectroscopy"
- "NearFieldScanningOpticalMicroscopy"
- "SecondHarmonicGenerationImaging"
- "PALM"
- "STORM"
- "STED"
- "TIRF"
- "FSM"
- "LCM"
- "Other"

Simple type restriction (xsd:string)

Enumeration:

- "Brightfield"
- "Phase"
- "DIC"
- "HoffmanModulation"
- "ObliqueIllumination"
- "PolarizedLight"
- "Darkfield"
- "Fluorescence"
- "Other"

at (optional)

ength

it (optional)

ngth

al)

Extension of 'UniversallyUniqueIdentifier'



onal)

il)

il)

il)



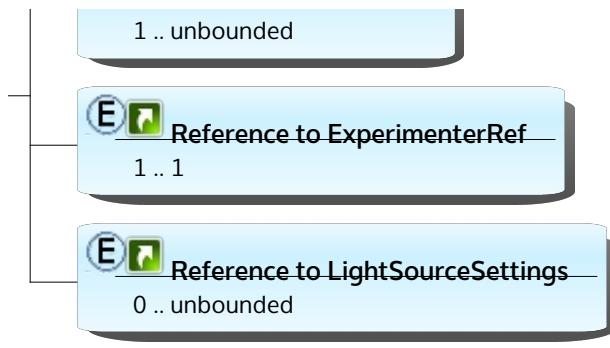
Description *simple*

0 .. 1

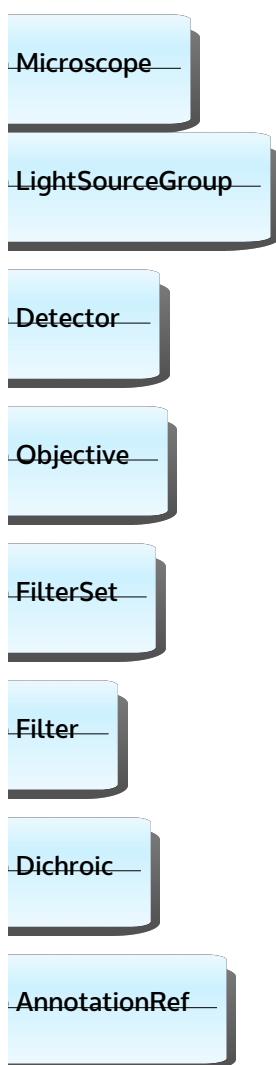


Reference to ROIRef

Simple type restriction (xsd:string)  
whiteSpace = preserve



Simple type restriction (xsd:string)  
 Enumeration:  
 • "FRAP"  
 • "FLIP"  
 • "InverseFRAP"  
 • "Photoablation"  
 • "Photoactivation"  
 • "Uncaging"  
 • "OpticalTrapping"  
 • "Other"



Simple type restriction (xsd:string)  
 Enumeration:  
 • "Upright"  
 • "Inverted"

**E** Map *Map*

0 .. 1

rature, type: xsd:float (optional)

ratureUnit, type: UnitsTemperature  
::°C (optional)

sure, type: xsd:float (optional)

sureUnit, type: UnitsPressure  
::mbar (optional)

tity, type: PercentFraction (optional)

rcent, type: PercentFraction (optional)

Simple type restriction (xsd:string)  
whiteSpace = preserve

## centerRef

## centerGroupRef

## Ref

## tionRef

**E** Description *simple*

0 .. 1

Simple type restriction (xsd:string)  
whiteSpace = preserve

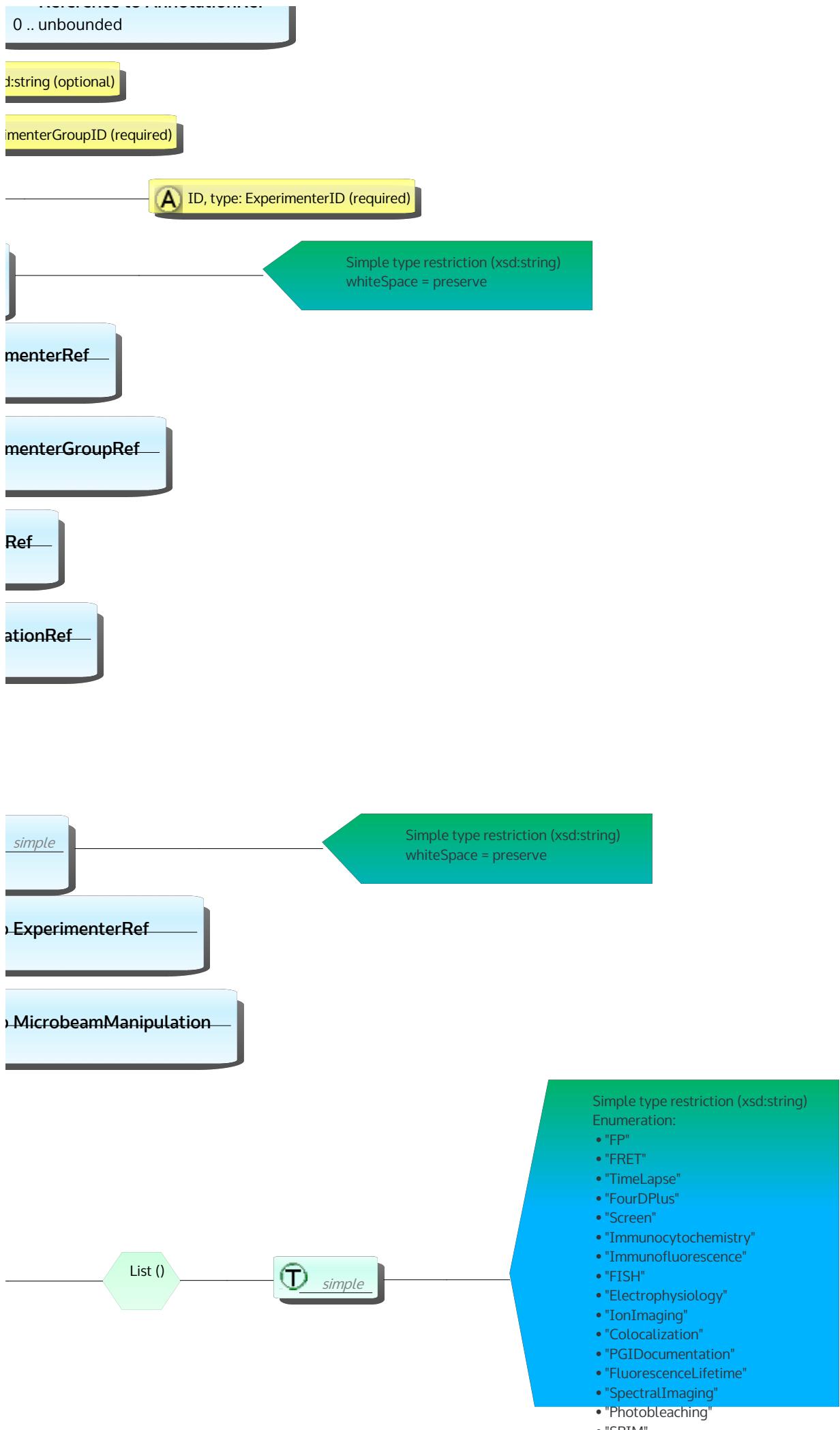
**R** Reference to ExperimenterRef

0 .. unbounded

**R** Reference to Leader

0 .. unbounded

**R** Reference to AnnotationRef



### use to AnnotationRef

ed

ired)

(optional)

ing (optional)

(optional)

ional)

(optional)

(optional)

Simple type restriction (xsd:string)  
whiteSpace = preserve

if

if

else

onRef

type: xsd:string (optional)

xsd:string (optional)

, type: xsd:string (optional)

ype: xsd:string (optional)

triction (xsd:float)  
0

riction (xsd:long)  
)

n (xsd:int)

oat)

n (xsd:float)

Simple type restriction (xsd:anyURI)  
pattern = (urn:uuid:[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12})

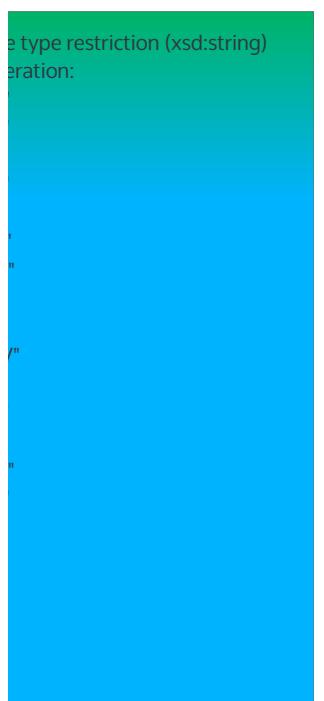
Extension of 'xsd:string'

(A) K, type: xsd:string

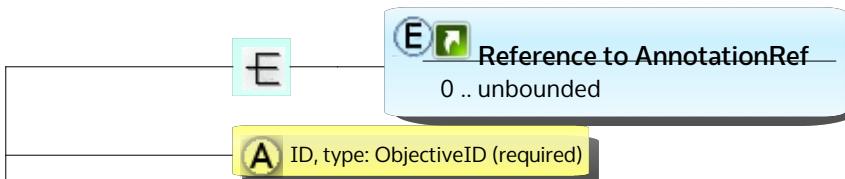
)

ng)

:string)



(xsd:string)



Simple type restriction (xsd:  
Enumeration:  
• "UV"  
• "PlanApo"  
• "PlanFluor"  
• "SuperFluor"  
• "VioletCorrected"  
• "Achromat"  
• "Fluor"  
• "Fl"  
• "Fluar"  
• "Neofluar"  
• "Fluotar"  
• "Apo"  
• "PlanNeofluar"  
• "Other"

Simple type restriction (xsd:string)

Enumeration:

- "Oil"
- "Water"
- "WaterDipping"
- "Air"
- "Multi"
- "Glycerol"
- "Other"

(A) Immersion (optional)

(A) LensNA, type: xsd:float (optional)

(A) NominalMagnification, type: xsd:float (optional)

(A) CalibratedMagnification, type: xsd:float (optional)

(A) WorkingDistance, type: xsd:float (optional)

WorkingDistanceUnit, type: UnitsLength  
(A) default:um (optional)

(A) Iris, type: xsd:boolean (optional)

E

(E) Reference to AnnotationRef  
0 .. unbounded

(A) Gain, type: xsd:float (optional)

(A) Voltage, type: xsd:float (optional)

VoltageUnit, type: UnitsElectricPotential  
(A) default:V (optional)

(A) Offset, type: xsd:float (optional)

(A) Zoom, type: xsd:float (optional)

(A) AmplificationGain, type: xsd:float (optional)

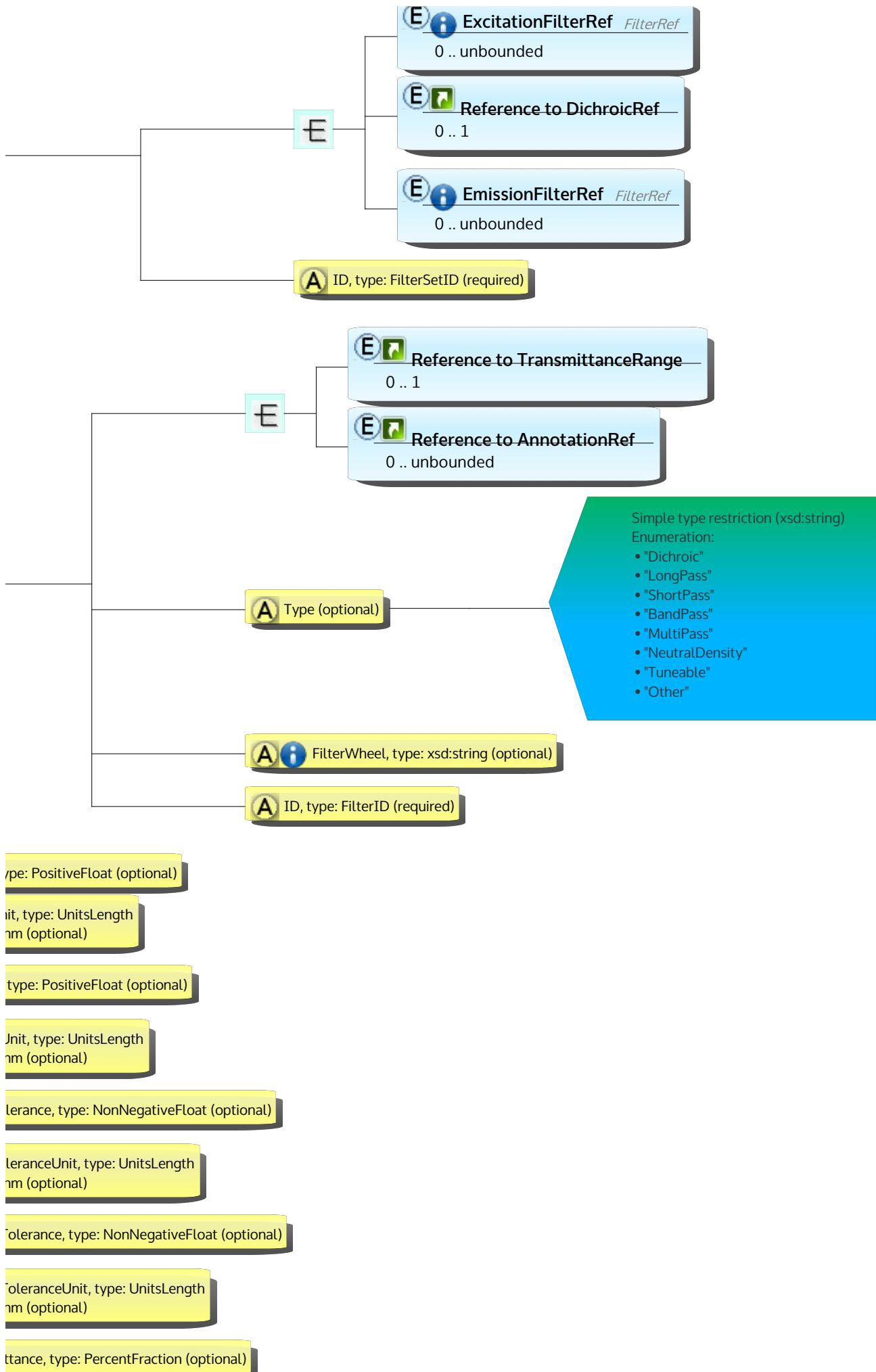
(A) ID, type: DetectorID (required)

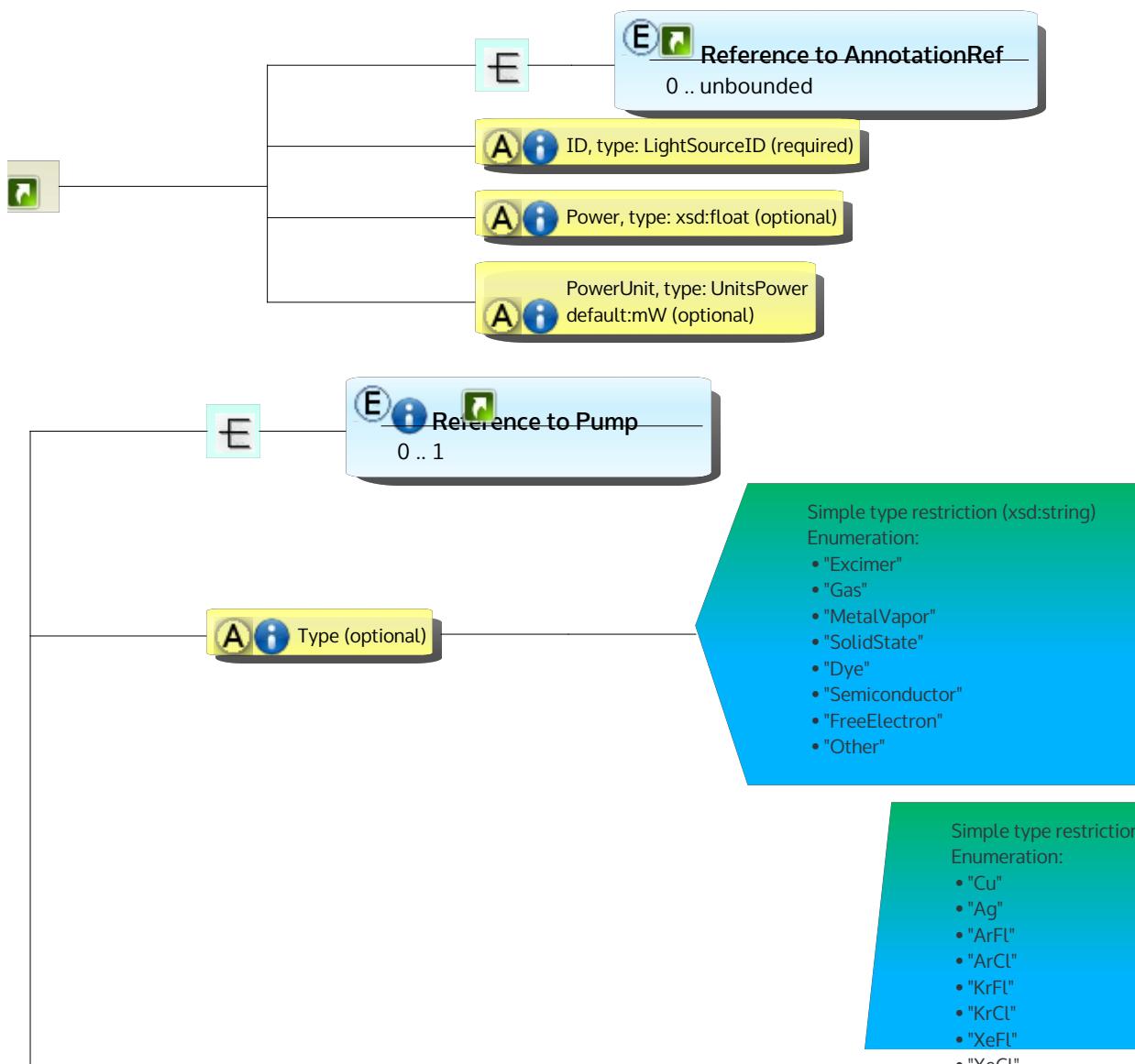
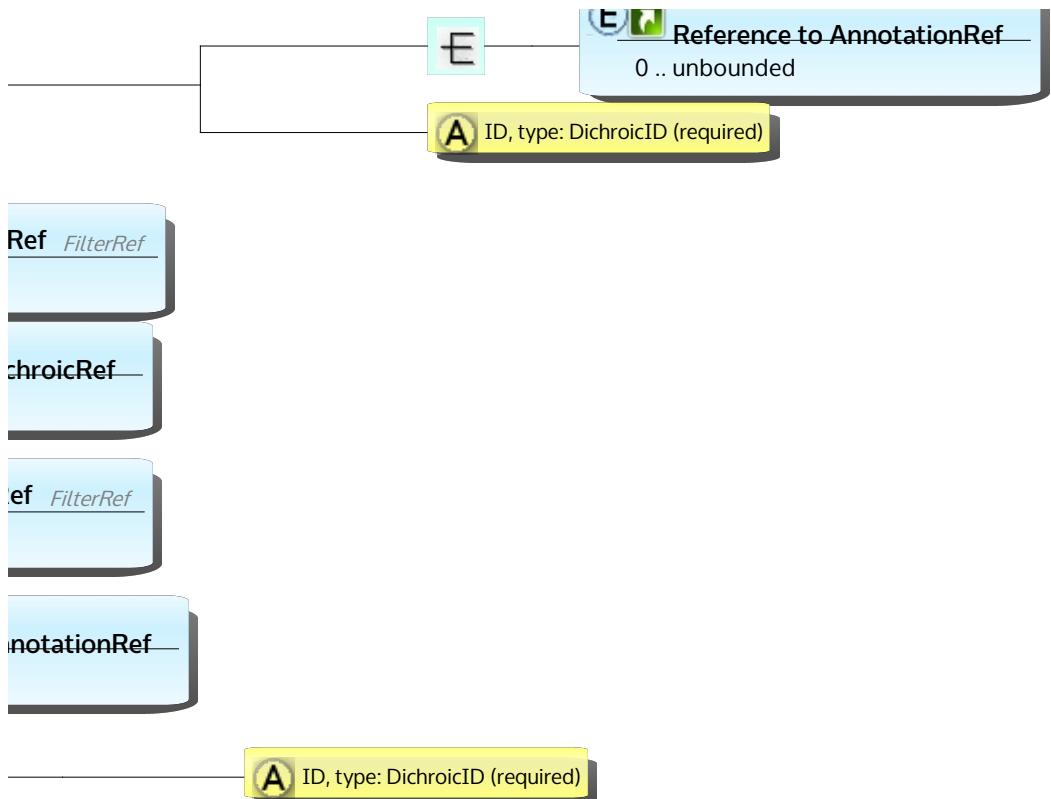
Simple type restriction (xsd:string)

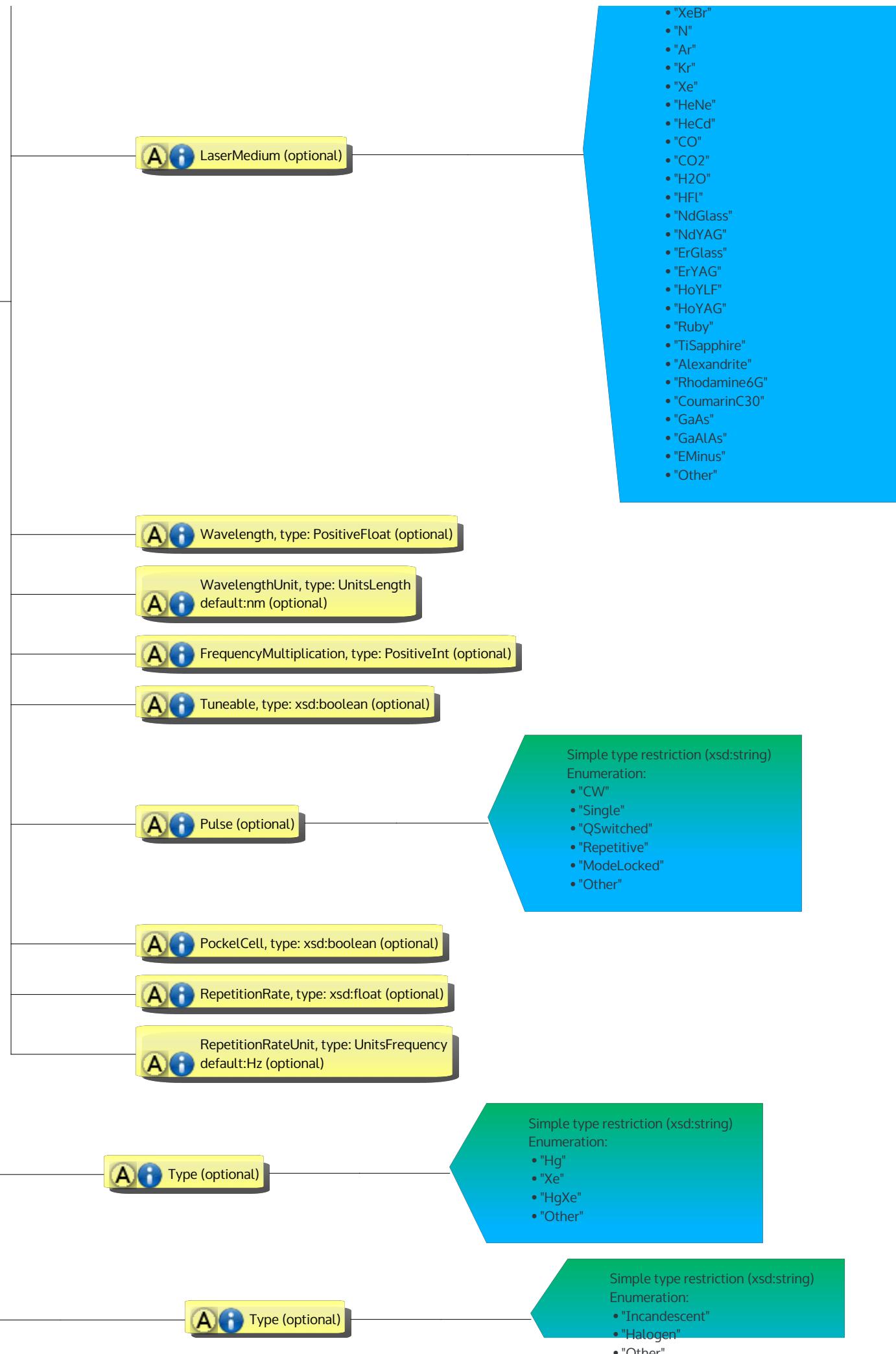
Enumeration:

- "CCD"
- "IntensifiedCCD"
- "AnalogVideo"
- "PMT"
- "Photodiode"
- "Spectroscopy"
- "LifetimeImaging"
- "CorrelationSpectroscopy"
- "FTIR"
- "EMCCD"
- "APD"
- "CMOS"
- "EBCCD"
- "Other"

(A) Type (optional)







'LightSource'

'version of 'LightSource'

E

E Map *Map*  
0 .. 1

(A) ID, type: LightSourceID (required)

Simple type restriction (xsd:string)  
whiteSpace = preserve

Simple type restriction (xsd:string)  
whiteSpace = preserve

(A) ID, type: ImageID (required)

(A) ID, type: FilterID (required)

'version of 'Reference'

(A) ID, type: MicrobeamManipulationID (required)

(A) ID, type: ExperimentID (required)

(A) ID, type: ChannelID (required)

(A) ID, type: ProjectID (required)

'

(A) ID, type: ExperimenterID (required)

'version of 'Reference'

(A) ID, type: ExperimenterGroupID (required)

(A) ID, type: InstrumentID (required)

(A) ID, type: DatasetID (required)

(A) ID, type: FolderID (required)

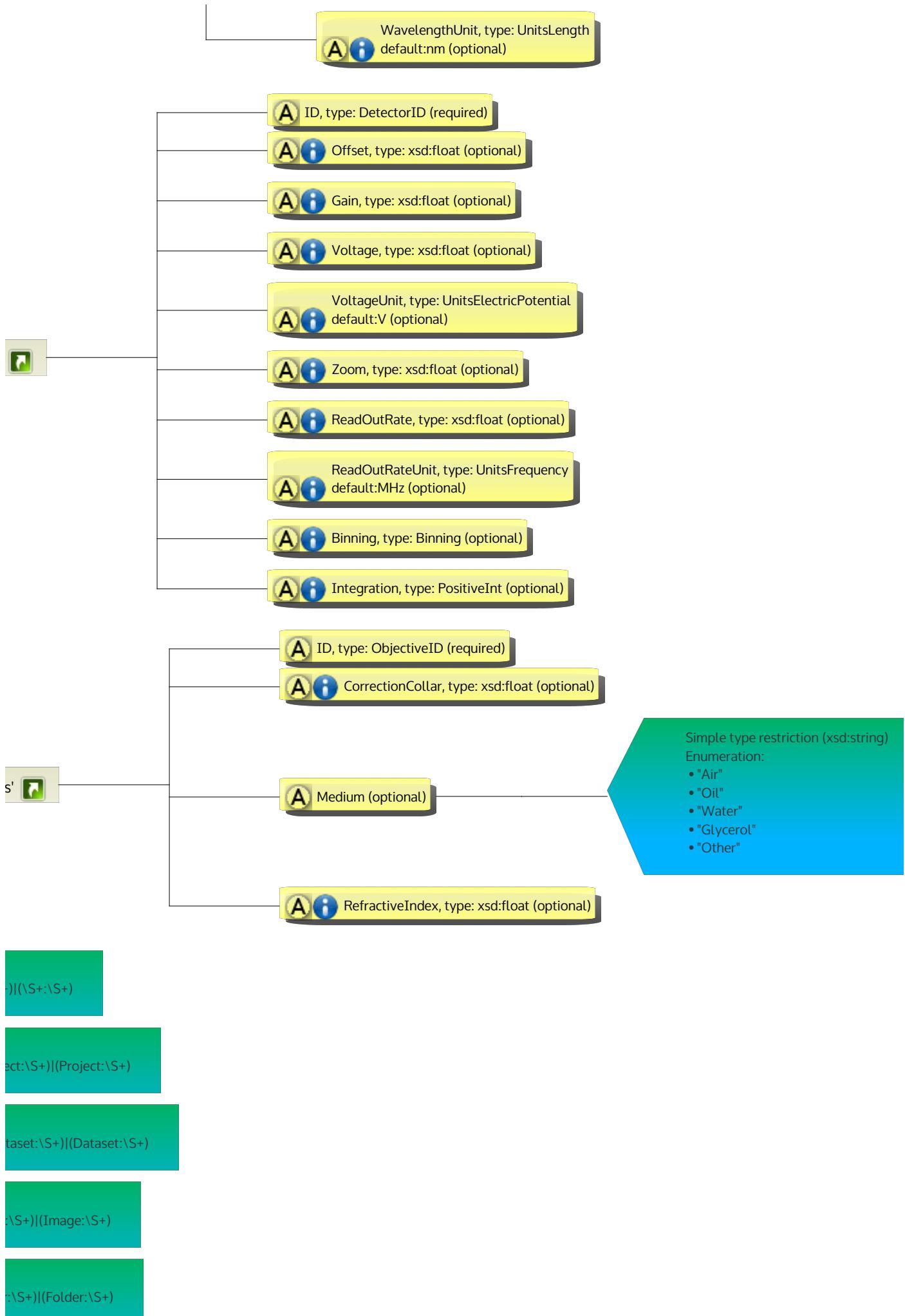
(A) ID, type: FilterSetID (required)

(A) ID, type: LightSourceID (required)

(A) Attenuation, type: PercentFraction (optional)

(A) Wavelength, type: PositiveFloat (optional)

'settings'



\w\-\.]++;Experimenter:\S+)|(Experimenter:\S+)

striction (LSID)  
sid:([\w\-\.]+.\[\w\-\.]++;ExperimenterGroup:\S+)|(ExperimenterGroup:\S+)

\.]++;Experiment:\S+)|(Experiment:\S+)

mple type restriction (LSID)  
ttern = (urn:lsid:([\w\-\.]+.\[\w\-\.]++;MicrobeamManipulation:\S+)|(MicrobeamManipulation:\S+)

\.]++;Instrument:\S+)|(Instrument:\S+)

+;Objective:\S+)|(Objective:\S+)

\-\.]++;LightSource:\S+)|(LightSource:\S+)

ichroic:\S+)|(Dichroic:\S+)

)|(Filter:\S+)

;filterSet:\S+)|(FilterSet:\S+)

Detector:\S+)|(Detector:\S+)

\S+)|(Pixels:\S+)

hannel:\S+)|(Channel:\S+)

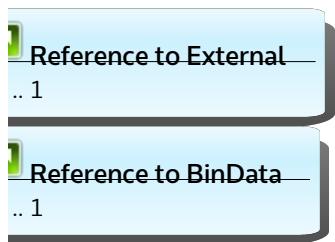
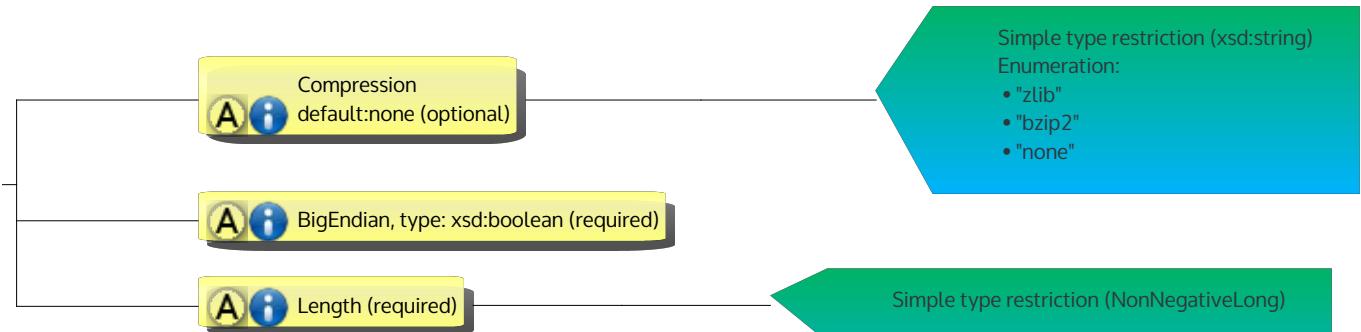
dule:\S+)|(Module:\S+)

iinary)

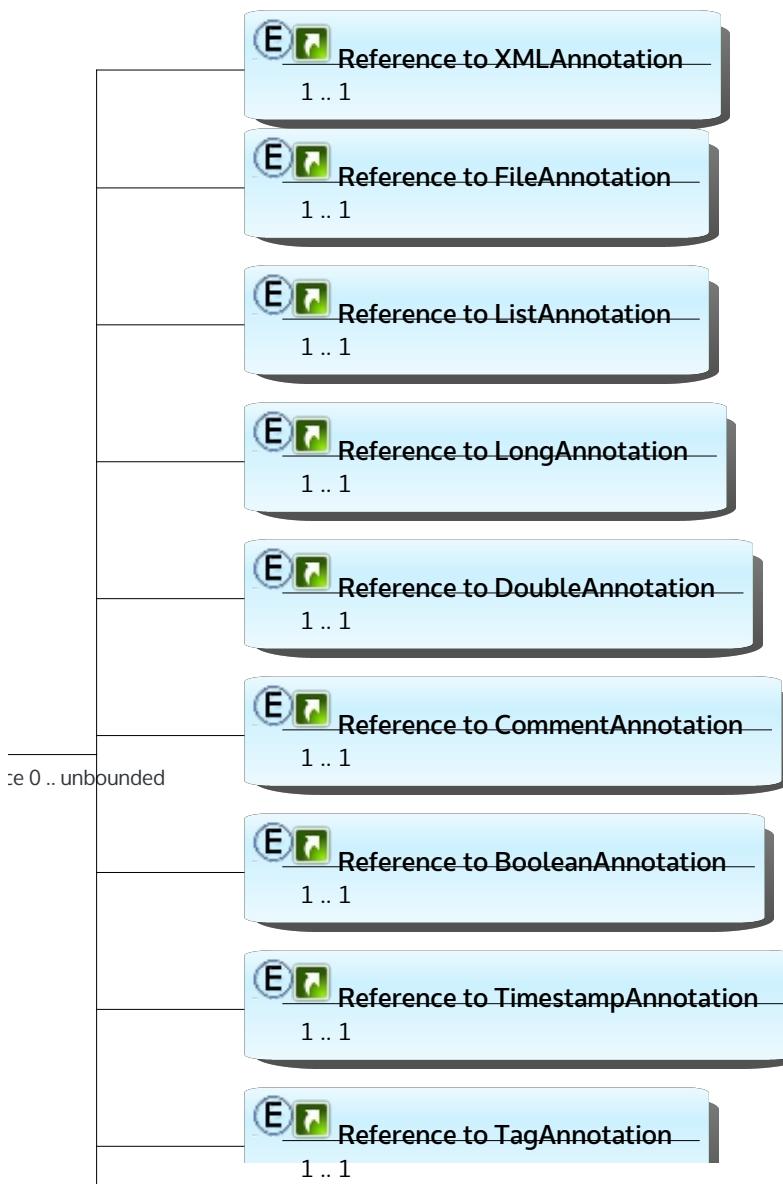
Simple type restriction (xsd:string)

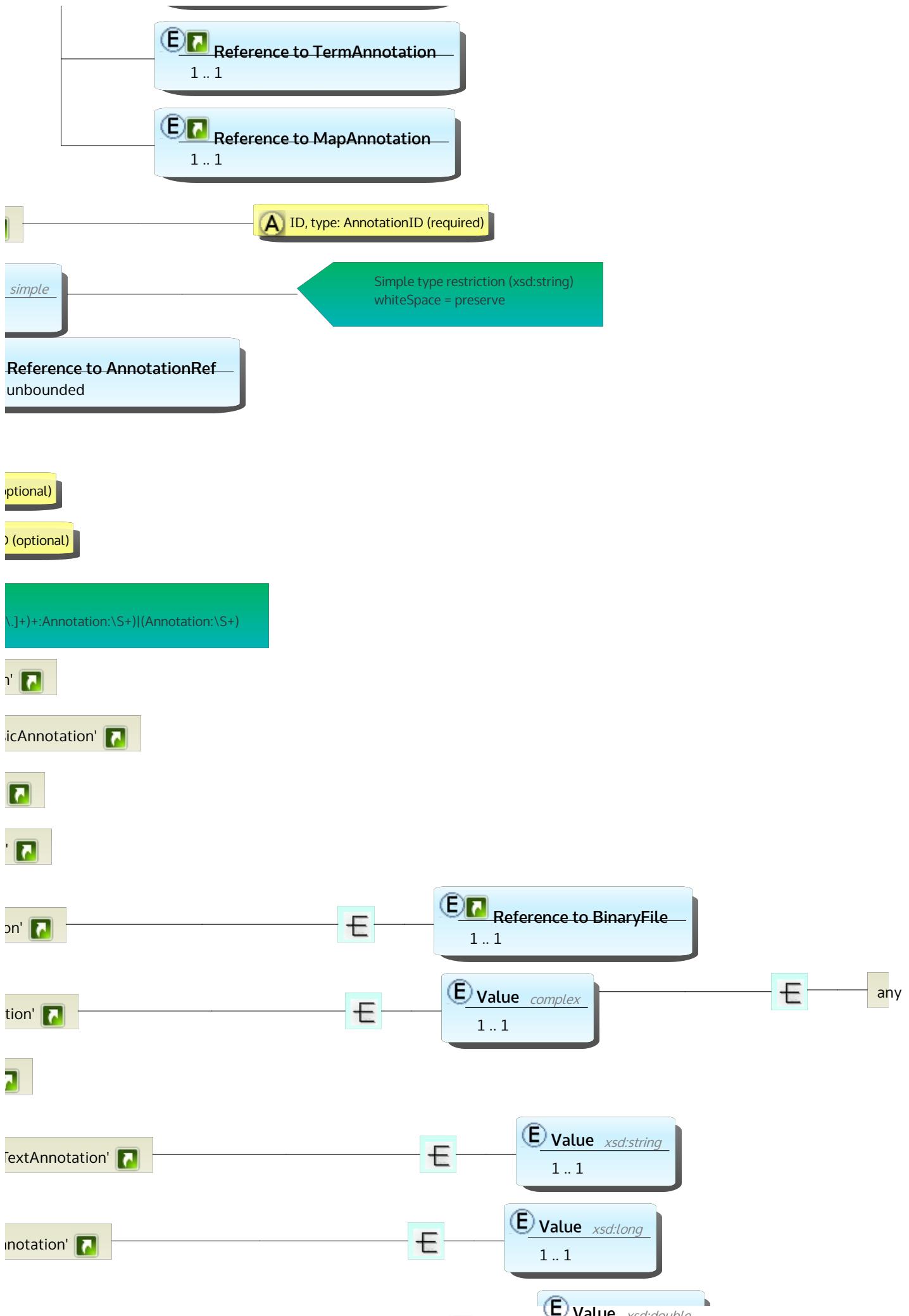
Enumeration:

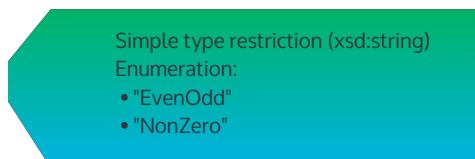
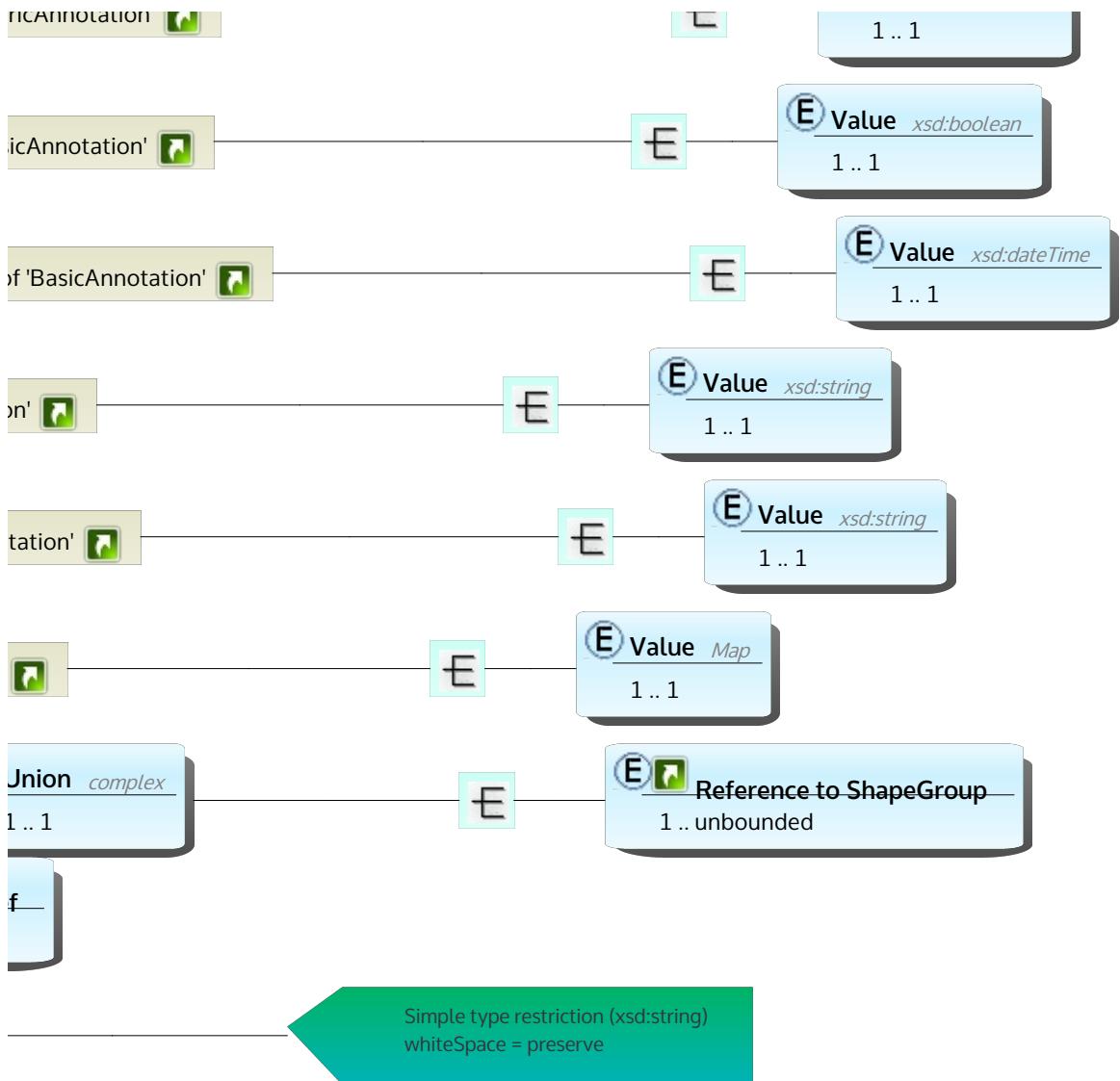
- "zlib"
- "bzip2"
- "none"



red)







Simple type restriction (xsd:string)

Enumeration:

- "serif"
- "sans-serif"
- "cursive"
- "fantasy"
- "monospace"

Simple type restriction (xsd:string)

Enumeration:

- "Bold"
- "BoldItalic"
- "Italic"
- "Normal"

(A) X, type: xsd:float (required)

(A) Y, type: xsd:float (required)

(A) Width, type: xsd:float (required)

(A) Height, type: xsd:float (required)

E  Reference to BinData

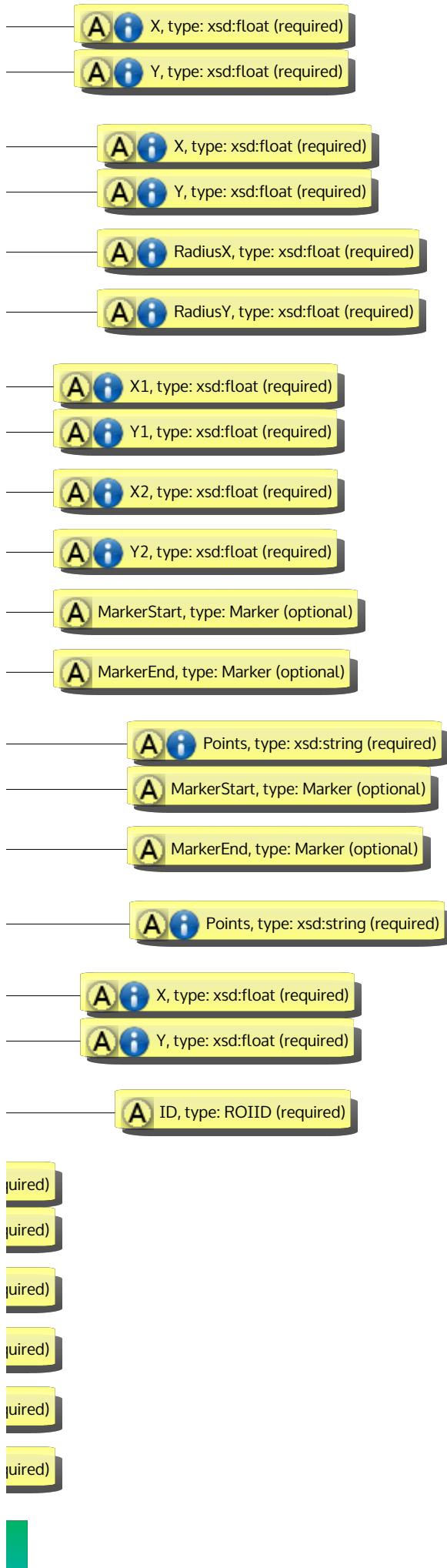
1 .. 1

(A) X, type: xsd:float (required)

(A) Y, type: xsd:float (required)

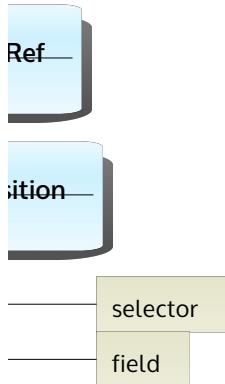
(A) Width, type: xsd:float (required)

(A) Height, type: xsd:float (required)



\S+)|(Shape:\S+)

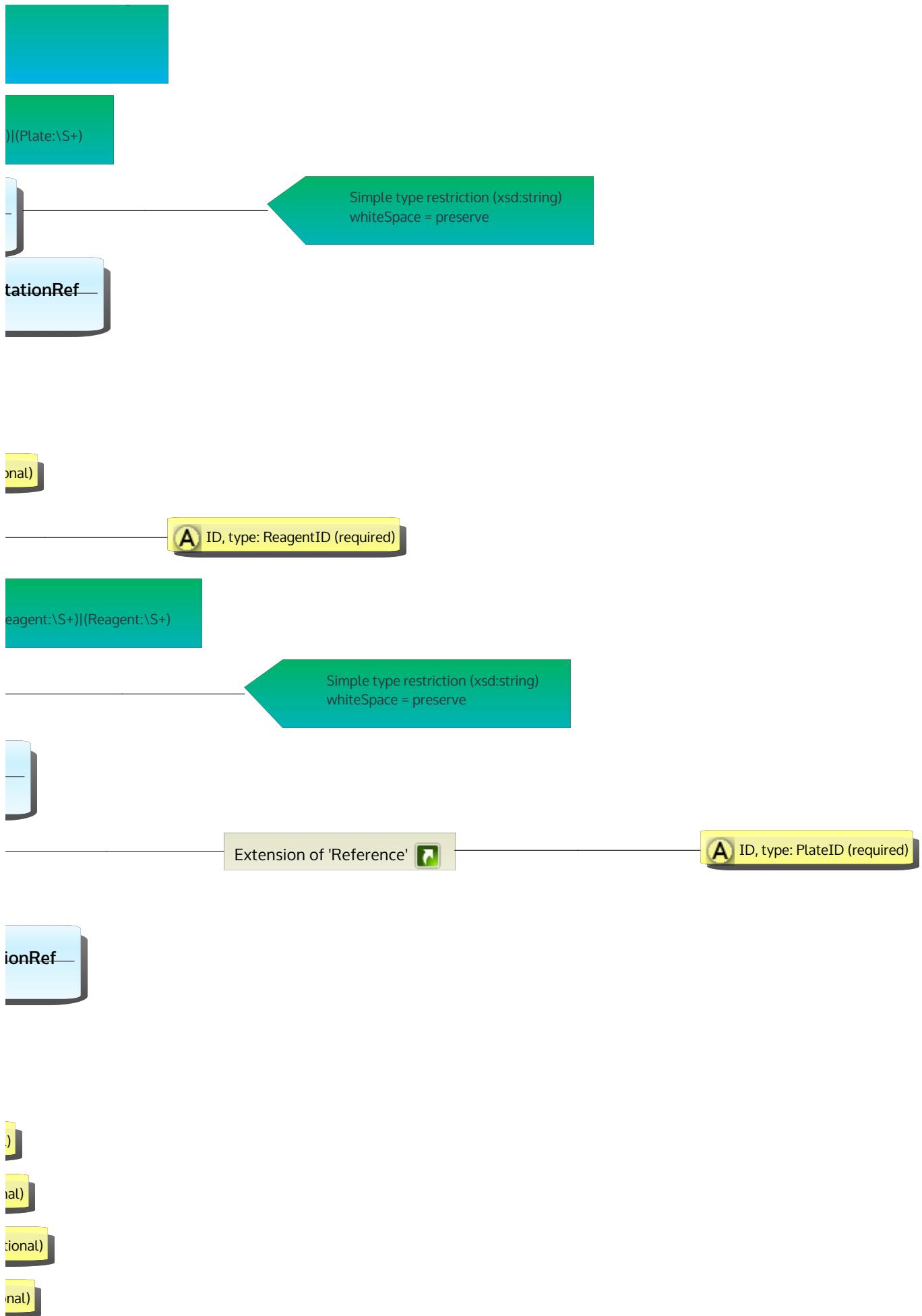
Simple type restriction (xsd:string)  
whiteSpace = preserve



ntion (optional)

on (optional)

restriction (xsd:string)



n:\S+)|(Screen:\S+)

escription *simple*

Simple type restriction (xsd:string)  
whiteSpace = preserve

ference to WellSampleRef

bounded

ference to AnnotationRef

bounded

onID (required)

optional)

:dateTime (optional)

d:dateTime (optional)

nt, type: PositiveInt (optional)

(LSID)  
\-\.]+\.[\w\-\.]+):PlateAcquisition:\S+)|(PlateAcquisition:\S+)

Ref

(Well:\S+)

to ImageRef

ional)

gth  
onal)

ional)

gth  
onal)

e (optional)

required)

\-\.]+)+:WellSample:\S+)|(WellSample:\S+)



(A) ID, type: WellSampleID (required)











elector  
ield













ype: xsd:string (optional)















:string)

:string)

































