

Energistics common Technical Reference Guide

For Energistics common v2.1

common	The schemas in the Energistics <i>common</i> folder define data objects shared by all of Energistics domain standards--RESQML, WITSML and PRODML.
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Abstract	List and describes the data objects and elements in Energistics <i>common</i> .
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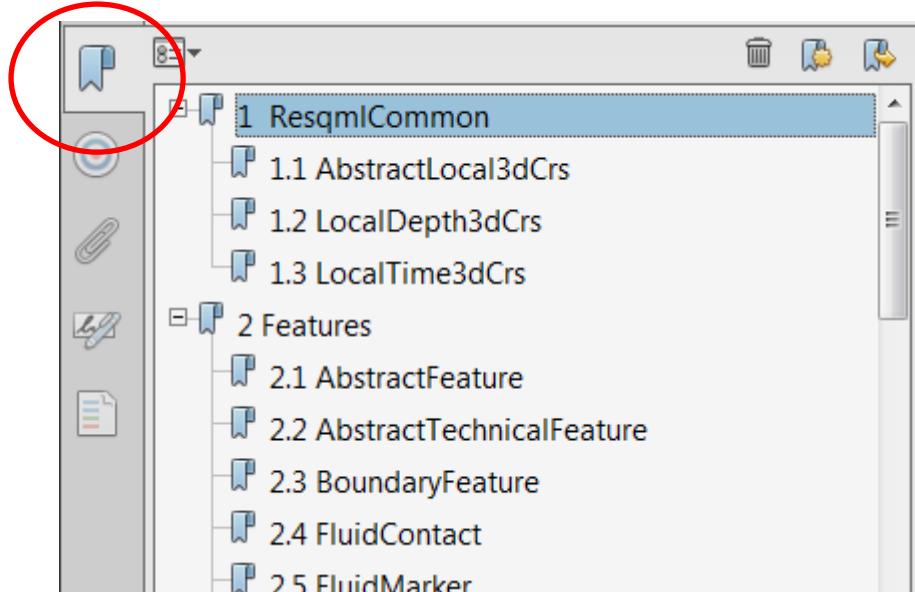
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Amendment History			
Std Version/ Doc Version	Date	Comment	By
2.1 / 1.0	11 Nov 2016	Publication of v2.1 of Energistics common for use by RESQML, WITSML and PRODML	

Table of Contents

Because this document is so long, no table of contents was generated inside the document. Use the table of contents pane in Acrobat by clicking on the icon shown below, which is located at the far left in an open PDF document.



1 Abstract

Package: xsd_schemas

Notes: The Abstract package contains the base XSD types from which all EnergyML Data Objects are derived.

1.1 AbstractContextualObject

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 4/30/2014 Last modified: 10/26/2016

Notes: Substitution group for all contextual objects.

Associations

Association	Notes
From: AbstractContextualObject. To: AbstractObject <i>Generalization</i>	

1.2 AbstractDataObject

Type: Class **Stereotype:** «XSDtopLevelElement»
Detail: Created: 4/30/2014 Last modified: 10/26/2016
Notes: Substitution group for normative data objects.

Associations

Association	Notes
From: AbstractDataObject. To: AbstractObject <i>Generalization</i>	

1.3 AbstractObject

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 5/25/2014 Last modified: 11/10/2016

Notes: The Mother Class for all Top Level Elements across the MLs.

Attributes

Name	Type	Notes
Aliases	ObjectAlias	
Citation	Citation	
CustomData	CustomData	
existenceKind	ExistenceKind	A lifecycle state like actual, required, planned, predicted, etc. This is used to qualify any top-level element (from Epicentre 2.1).
ExtensionNameValue	ExtensionNameValue	
objectVersion	String64	
schemaVersion	String64	
uuid	UuidString	

Associations

Association	Notes
From: AbstractObject. To: CustomData <i>Dependency</i>	
From: AbstractObject. To: ExtensionNameValue <i>Dependency</i>	
From: AbstractObject. To: Citation <i>Dependency</i>	
From: AbstractObject. To: ExistenceKind <i>Dependency</i>	
From: AbstractObject. To: ObjectAlias <i>Dependency</i>	
From: VerticalCrs. To: AbstractObject <i>Generalization</i>	
From: BhaRun. To: AbstractObject <i>Generalization</i>	
From: ProductFlowModel. To: AbstractObject <i>Generalization</i>	
From: FluidSampleContainer. To: AbstractObject <i>Generalization</i>	
From: PropertySet.	

Association	Notes
To: AbstractObject <i>Generalization</i>	
From: WellboreGeometry. To: AbstractObject <i>Generalization</i>	
From: StratigraphicColumn. To: AbstractObject <i>Generalization</i>	
From: FluidsReport. To: AbstractObject <i>Generalization</i>	
From: AbstractSimpleProductVolume. To: AbstractObject <i>Generalization</i>	
From: ChannelSet. To: AbstractObject <i>Generalization</i>	
From: WellboreCompletion. To: AbstractObject <i>Generalization</i>	
From: ReportingEntity. To: AbstractObject <i>Generalization</i>	
From: AbstractGraphicalInformation. To: AbstractObject <i>Dependency</i>	
From: Rig. To: AbstractObject <i>Generalization</i>	
From: TimeSeriesData. To: AbstractObject <i>Generalization</i>	
From: DataAssuranceRecord. To: AbstractObject <i>Generalization</i>	
From: CuttingsGeology. To: AbstractObject <i>Generalization</i>	
From: FiberOpticalPath. To: AbstractObject <i>Generalization</i>	
From: LocalGridSet. To: AbstractObject <i>Generalization</i>	
From: SurveyProgram. To: AbstractObject <i>Generalization</i>	
From: DasAcquisition. To: AbstractObject <i>Generalization</i>	
From: AbstractContextualObject. To: AbstractObject <i>Generalization</i>	
From: AbstractFeature.	

Association	Notes
To: AbstractObject <i>Generalization</i>	
From: ReportingHierarchy. To: AbstractObject <i>Generalization</i>	
From: ActivityTemplate. To: AbstractObject <i>Generalization</i>	
From: AbstractPropertyLookup. To: AbstractObject <i>Generalization</i>	
From: WellCMLedger. To: AbstractObject <i>Generalization</i>	
From: RepresentationIdentitySet. To: AbstractObject <i>Generalization</i>	
From: Tubular. To: AbstractObject <i>Generalization</i>	
From: StimJob. To: AbstractObject <i>Generalization</i>	
From: WellTest. To: AbstractObject <i>Generalization</i>	
From: Activity. To: AbstractObject <i>Generalization</i>	
From: AbstractLocal3dCrs. To: AbstractObject <i>Generalization</i>	
From: CuttingsGeologyInterval. To: AbstractObject <i>Generalization</i>	
From: FeatureInterpretationSet. To: AbstractObject <i>Generalization</i>	
From: Attachment. To: AbstractObject <i>Generalization</i>	
From: RigUtilizationTest. To: AbstractObject <i>Generalization</i>	
From: TimeSeries. To: AbstractObject <i>Generalization</i>	
From: ToolErrorTermSet. To: AbstractObject <i>Generalization</i>	
From: Risk. To: AbstractObject <i>Generalization</i>	
From: DrillReport.	

Association	Notes
To: AbstractObject <i>Generalization</i>	
From: OpsReport. To: AbstractObject <i>Generalization</i>	
From: Log. To: AbstractObject <i>Generalization</i>	
From: DtsMeasurement. To: AbstractObject <i>Generalization</i>	
From: AbstractFeatureInterpretation. To: AbstractObject <i>Generalization</i>	
From: FluidSampleAcquisitionJob. To: AbstractObject <i>Generalization</i>	
From: PropertyKind. To: AbstractObject <i>Generalization</i>	
From: FluidSample. To: AbstractObject <i>Generalization</i>	
From: ConvCore. To: AbstractObject <i>Generalization</i>	
From: Well. To: AbstractObject <i>Generalization</i>	
From: InterpretedGeologyInterval. To: AbstractObject <i>Generalization</i>	
From: DownholeComponent. To: AbstractObject <i>Generalization</i>	
From: DepthRegImage. To: AbstractObject <i>Generalization</i>	
From: Channel. To: AbstractObject <i>Generalization</i>	
From: Channel.Parent 0..1 To: AbstractObject <i>Association</i>	The containing data object for the channel set. For example, for a Log , this could be either the wellbore for the log or a LoggingRun
From: WftRun. To: AbstractObject <i>Generalization</i>	
From: FluidSystem. To: AbstractObject <i>Generalization</i>	
From: StimJob. To: AbstractObject <i>Generalization</i>	

Association	Notes
From: WellboreMarkerSet. To: AbstractObject <i>Generalization</i>	
From: ProductVolume. To: AbstractObject <i>Generalization</i>	
From: WellboreMarker. To: AbstractObject <i>Generalization</i>	
From: TimeSeriesStatistic. To: AbstractObject <i>Generalization</i>	
From: GeodeticCrs. To: AbstractObject <i>Generalization</i>	
From: DtsInstalledSystem. To: AbstractObject <i>Generalization</i>	
From: EpcExternalPartReference. To: AbstractObject <i>Generalization</i>	
From: ProductionOperation. To: AbstractObject <i>Generalization</i>	
From: ShowEvaluation. To: AbstractObject <i>Generalization</i>	
From: MdDatum. To: AbstractObject <i>Generalization</i>	
From: GraphicalInformationSet. To: AbstractObject <i>Generalization</i>	
From: ProjectedCrs. To: AbstractObject <i>Generalization</i>	
From: CementJob. To: AbstractObject <i>Generalization</i>	
From: CementJobEvaluation. To: AbstractObject <i>Generalization</i>	
From: StratigraphicColumn. To: AbstractObject <i>Generalization</i>	
From: SidewallCore. To: AbstractObject <i>Generalization</i>	
From: Report. To: AbstractObject <i>Generalization</i>	
From: StimJobStage. To: AbstractObject <i>Generalization</i>	

Association	Notes
From: FluidCharacterization. To: AbstractObject <i>Generalization</i>	
From: AbstractProperty. To: AbstractObject <i>Generalization</i>	
From: StimPerforationCluster. To: AbstractObject <i>Generalization</i>	
From: WellCompletion. To: AbstractObject <i>Generalization</i>	
From: DtsInstrumentBox. To: AbstractObject <i>Generalization</i>	
From: InterpretedGeology. To: AbstractObject <i>Generalization</i>	
From: DasInstrumentBox. To: AbstractObject <i>Generalization</i>	
From: Trajectory. To: AbstractObject <i>Generalization</i>	
From: AbstractRepresentation. To: AbstractObject <i>Generalization</i>	
From: ToolModelError. To: AbstractObject <i>Generalization</i>	
From: WellboreMarker. To: AbstractObject <i>Generalization</i>	
From: Target. To: AbstractObject <i>Generalization</i>	
From: ShowEvaluationInterval. To: AbstractObject <i>Generalization</i>	
From: Trajectory. To: AbstractObject <i>Generalization</i>	
From: PropertyKindDictionary. To: AbstractObject <i>Generalization</i>	
From: AbstractDataObject. To: AbstractObject <i>Generalization</i>	
From: Wellbore. To: AbstractObject <i>Generalization</i>	
From: MudLogReport. To: AbstractObject <i>Generalization</i>	

Association	Notes
From: FluidAnalysis. To: AbstractObject <i>Generalization</i>	
From: WellboreGeology. To: AbstractObject <i>Generalization</i>	
From: RigUtilization. To: AbstractObject <i>Generalization</i>	

1.4 Citation

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 4/30/2014 Last modified: 11/10/2016

Notes: An ISO 19115 EIP-derived set of metadata attached to all specializations of AbstractObject to ensure the traceability of each individual independent (top level) element.

Attributes

Name	Type	Notes
Creation	dateTime	<p>Date and time the document was created in the source application or, if that information is not available, when it was saved to the file.</p> <p>This is the equivalent of the ISO 19115 CI_Date where the CI_DateTypeCode = "creation"</p> <p>Format: YYYY-MM-DDThh:mm:ssZ[+/-]hh:mm</p> <p>Legacy DCGroup - created</p>
Description	String2000	<p>User descriptive comments about the object. Intended for end-user use (human readable); not necessarily meant to be used by software.</p> <p>This is the equivalent of the ISO 19115 abstract.CharacterString</p> <p>Legacy DCGroup - description</p>
DescriptiveKeywords	String2000	<p>Key words to describe the activity, for example, history match or volumetric calculations, relevant to this object. Intended to be used in a search function by software.</p> <p>This is the equivalent in ISO 19115 of descriptiveKeywords.MD_Keywords</p> <p>Legacy DCGroup - subject</p>
Editor	String64	<p>Name (or other human-readable identifier) of the last person who updated the object.</p> <p>This is the equivalent in ISO 19115 to the CI_Individual.name or the CI_Organization.name of the citedResponsibleParty whose role is "editor".</p> <p>Legacy DCGroup - contributor</p>
Format	String2000	<p>Software or service that was used to originate the object and the file format created. Must be human and machine readable and unambiguously identify the software by including the company name, software name and software version. This is the equivalent in ISO 19115 to the distributionFormat.MD_Format.</p>

		<p>The ISO format for this is [vendor:applicationName]/fileExtension where the application name includes the version number of the application.</p> <p>SIG Implementation Notes</p> <ul style="list-style-type: none"> - Legacy DCGroup from v1.1 - publisher - fileExtension is not relevant and will be ignored if present. - vendor and applicationName are mandatory.
LastUpdate	dateTime	<p>Date and time the document was last modified in the source application or, if that information is not available, when it was last saved to the RESQML format file.</p> <p>This is the equivalent of the ISO 19115 CI_Date where the CI_DateTypeCode = "lastUpdate"</p> <p>Format: YYYY-MM-DDThh:mm:ssZ[+/-]hh:mm</p> <p>Legacy DCGroup - modified</p>
Originator	String64	<p>Name (or other human-readable identifier) of the person who initially originated the object or document in the source application. If that information is not available, then this is the user who created the format file. The originator remains the same as the object is subsequently edited.</p> <p>This is the equivalent in ISO 19115 to the CI_Individual.name or the CI_Organization.name of the citedResponsibleParty whose role is "originator".</p> <p>Legacy DCGroup - author</p>
Title	String2000	<p>One line description/name of the object.</p> <p>This is the equivalent in ISO 19115 of CI_Citation.title</p> <p>Legacy DCGroup - title</p>
VersionString	String64	

Associations

Association	Notes
From: StimJob. To: Citation <i>Dependency</i>	
From: AbstractObject. To: Citation <i>Dependency</i>	

1.5 CustomData

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 5/18/2014 Last modified: 10/26/2016

Notes: WITSML - Custom or User Defined Element and Attributes Component Schema.

Specify custom element, attributes, and types in the custom data area.

Associations

Association	Notes
0..* From: CustomData.CustomDataValue To: CustomDataValue <i>Association</i>	
0..1 From: Motor.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Bend.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Nozzle.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: DirectionalSurveyExtension.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Equipment.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: BHPExtension.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: MwdTool.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: TubularComponent.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
From: AbstractObject. To: CustomData <i>Dependency</i>	
0..1 From: Jar.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: WaitingOnExtension.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Stabilizer.ExtensionAny To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
From: DasCustom. To: CustomData <i>Generalization</i>	
From: LostCirculationExtension.ExtensionAny	Extensions to the schema using an xsd:any

Association	Notes
0..1 To: CustomData <i>Association</i>	construct.
0..1 From: CleanFillExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: DownholeExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: PressureTestExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Sensor.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: FluidReportExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: Connection.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: DownholeString.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: AcidizefracExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: CementExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: RotarySteerableTool.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: BitRecord.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: PerforatingExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: HoleOpener.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.
0..1 From: JobExtension.ExtensionAny 0..1 To: CustomData <i>Association</i>	Extensions to the schema using an xsd:any construct.

1.6 CustomDataValue

Type: Class *Stereotype*: «XSDany»

Detail: Created: 5/18/2014 Last modified: 10/26/2016

Notes: Any element or attribute in any namespace.

It is strongly recommended that all custom data definitions be added to a unique namespace.

Associations

Association	Notes
From: CustomData.CustomDataValue 0..* To: CustomDataValue <i>Association</i>	

1.7 ExtensionNameValue

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/13/2015 Last modified: 11/10/2016

Notes: WITSML - Extension values Schema. The intent is to allow standard WITSML "named" extensions without having to modify the schema. A client or server can ignore any name that it does not recognize but certain meta data is required in order to allow generic clients or servers to process the value.

Attributes

Name	Type	Notes
Description	String2000	A textual description of the extension.
DTim	TimeStamp	The date-time associated with the value.
Index	int	Indexes things with the same name. That is, 1 indicates the first one, 2 indicates the second one, etc.
MeasureClass	MeasureClass	The kind of the measure. For example, "length". This should be specified if the value requires a unit of measure.
Name	String64	The name of the extension. Each standard name should document the expected measure class. Each standard name should document the expected maximum size. For numeric values the size should be in terms of xsd types such as int, long, short, byte, float or double. For strings, the maximum length should be defined in number of characters. Local extensions to the list of standard names are allowed but it is strongly recommended that the names and definitions be approved by the respective SIG Technical Team before use.
Value	StringMeasure	The value of the extension. This may also include a uom attribute. The content should conform to constraints defined by the data type.

Associations

Association	Notes
0..* From: DtsCalibration. To: ExtensionNameValue <i>Association</i>	
0..* From: DtsMeasurement.DiagnosticParameters To: ExtensionNameValue <i>Association</i>	
0..* From: AbstractObject. To: ExtensionNameValue <i>Dependency</i>	
0..* From: FiberPumpActivity.ExtensionNameValue To: ExtensionNameValue	

Association	Notes
<i>Association</i>	
From: DtsInstrumentBox. 0..* To: ExtensionNameValue <i>Association</i>	
From: CustomPvtModelParameter.CustomParameterValue 1 To: ExtensionNameValue <i>Association</i>	
From: FiberOTDR.ExtensionNameValue 0..* To: ExtensionNameValue <i>Association</i>	

1.8 ObjectAlias

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 4/30/2014 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
authority	String64	
Description	String2000	
Identifier	String64	

Associations

Association	Notes
0..* From: DrillReportWellboreInfo.RigAlias To: ObjectAlias <i>Association</i>	A name of the fixed or movable facility being used to drill the wellbore.
0..* From: DrillActivity.ProprietaryCode To: ObjectAlias <i>Association</i>	A proprietary code used to define rig activity. The name of the proprietary system should be defined in the namingSystem attribute.
0..* From: DrillReportControlIncidentInfo.ProprietaryCode To: ObjectAlias <i>Association</i>	A proprietary code used to define rig activity. The name of the proprietary system should be defined in the namingSystem attribute.
0..* From: DrillReportStatusInfo.ParentWellbore To: ObjectAlias <i>Association</i>	The name of the parent wellbore. This is the wellbore from which the current wellbore kicked off.
0..* From: ReportingEntity.Alias To: ObjectAlias <i>Association</i>	
0..* From: FluidCharacterizationTableConstant.KeywordAlias To: ObjectAlias <i>Association</i>	
0..1 From: DrillReport.WellAlias To: ObjectAlias <i>Association</i>	An alternative name of the well (in a naming system). The above well name should be included in the list of aliases so that its origin can be known.
0..* From: DrillReport.WellboreAlias To: ObjectAlias <i>Association</i>	An alternative name of the wellbore (in a naming system). The above well name should be included in the list of aliases so that its origin can be known.
From: AbstractObject. To: ObjectAlias <i>Dependency</i>	
From: FluidCharacterizationTableColumn.KeywordAlias	

Association	Notes
0..* To: ObjectAlias <i>Association</i>	

2 Activities

Package: xsd_schemas

Notes:

2.1 AbstractActivityParameter

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: General parameter value used in one instance of activity

Attributes

Name	Type	Notes
Index	long	When parameter is an array, used to indicate the index in the array
Selection	String2000	Textual description about how this parameter was selected.
Title	String2000	Name of the parameter, used to identify it in the activity. Must have an equivalent in the activity descriptor parameters.

Associations

Association	Notes
0..* From: AbstractActivityParameter.Key To: AbstractParameterKey <i>Association</i>	
From: StringParameter. To: AbstractActivityParameter <i>Generalization</i>	
From: IntegerQuantityParameter. To: AbstractActivityParameter <i>Generalization</i>	
From: DoubleQuantityParameter. To: AbstractActivityParameter <i>Generalization</i>	
1..* From: Activity.Parameter To: AbstractActivityParameter <i>Association</i>	
From: DataObjectParameter. To: AbstractActivityParameter <i>Generalization</i>	
0..* From: ParameterTemplate.DefaultValue To: AbstractActivityParameter <i>Association</i>	
From: TimeIndexParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.2 AbstractParameterKey

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Abstract class describing a key used to identify a parameter value. When multiple values are provided for a given parameter, provides a way to identify the parameter through its association with an object, a time index...

Associations

Association	Notes
From: TimeIntervalParameterKey. To: AbstractParameterKey <i>Generalization</i>	
From: AbstractActivityParameter.Key 0..* To: AbstractParameterKey <i>Association</i>	
From: ObjectParameterKey. To: AbstractParameterKey <i>Generalization</i>	

2.4 Activity

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Instance of a given activity

Associations

Association	Notes
0..1 From: Activity.Parent To: Activity <i>Association</i>	
1..* From: Activity. To: AbstractObject <i>Generalization</i>	
1..* From: Activity.Parameter To: AbstractActivityParameter <i>Association</i>	
0..1 From: Activity.ActivityDescriptor To: ActivityTemplate <i>Association</i>	
0..1 From: Activity.Parent To: Activity <i>Association</i>	

2.5 ActivityTemplate

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Description of one type of activity.

Associations

Association	Notes
From: ActivityTemplate. To: AbstractObject <i>Generalization</i>	
From: ActivityTemplate.Parameter 1..* To: ParameterTemplate <i>Association</i>	
From: Activity.ActivityDescriptor To: ActivityTemplate <i>Association</i>	

2.6 DataObjectParameter

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Parameter referencing to a top level object.

Attributes

Name	Type	Notes
DataObject	DataObjectReference	

Associations

Association	Notes
From: DataObjectParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.7 DoubleQuantityParameter

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Parameter containing a double value.

Attributes

Name	Type	Notes
CustomUnitDictionary	DataObjectReference	
Uom	UnitOfMeasureExt	Unit of measure associated with the value
Value	double	Double value

Associations

Association	Notes
From: DoubleQuantityParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.8 IntegerQuantityParameter

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Parameter containing an integer value.

Attributes

Name	Type	Notes
Value	long	Integer value

Associations

Association	Notes
From: IntegerQuantityParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.9 ObjectParameterKey

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
DataObject	DataObjectReference	

Associations

Association	Notes
From: ObjectParameterKey. To: AbstractParameterKey <i>Generalization</i>	

2.10 ParameterKind

Type: Enumeration *Stereotype:*

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dataObject		
double		
integer		
string		
timestamp		
subActivity		

2.11 ParameterTemplate

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes: Description of one parameter that participate in one type of activity.

Attributes

Name	Type	Notes
AllowedKind	ParameterKind	If no allowed type is given, then all kind of datatypes is allowed.
Constraint	String2000	Textual description of additional constraint associated with the parameter. (note that it will be better to have a formal description of the constraint)
DataObjectContentType	String2000	When parameter is limited to data object of given types, describe the allowed types. Used only when ParameterType is dataObject
IsInput	boolean	Indicates if the parameter is an input of the activity. If the parameter is a data object and is also an output of the activity, it is strongly advised to use two parameters : one for input and one for output. The reason is to be able to give two different versions strings for the input and output dataobject which has got obviously the same UUID.
IsOutput	boolean	Indicates if the parameter is an output of the activity. If the parameter is a data object and is also an input of the activity, it is strongly advised to use two parameters : one for input and one for output. The reason is to be able to give two different versions strings for the input and output dataobject which has got obviously the same UUID.
KeyConstraint	String2000	Allows to indicate that, in the same activity, this parameter template must be associated to another parameter template identified by its title.
MaxOccurs	long	Maximum number of parameters of this type allowed in the activity. If the maximum number of parameters is infinite, use -1 value.
MinOccurs	long	Minimum number of parameter of this type required by the activity. If the minimum number of parameters is infinite, use -1 value.
Title	String2000	Name of the parameter in the activity. Key to identify parameter.

Associations

Association	Notes
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Association	Notes
0..* From: ParameterTemplate.DefaultValue To: AbstractActivityParameter <i>Association</i>	
1..* From: ActivityTemplate.Parameter To: ParameterTemplate <i>Association</i>	

2.12 StringParameter

Type: Class *Stereotype:* «XSDcomplexType»
Detail: Created: 12/10/2014 Last modified: 10/26/2016
Notes: Parameter containing a string value.

Attributes

Name	Type	Notes
Value	String2000	String value

Associations

Association	Notes
From: StringParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.13 TimeIndexParameter

Type: Class *Stereotype:* «XSDcomplexType»
Detail: Created: 12/10/2014 Last modified: 10/26/2016
Notes: Parameter containing a time index value.

Associations

Association	Notes
From: TimeIndexParameter.TimeIndex To: TimeIndex <i>Association</i>	
From: TimeIndexParameter. To: AbstractActivityParameter <i>Generalization</i>	

2.14 TimeIndexParameterKey

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/10/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimeIndexParameterKey. To: AbstractParameterKey <i>Generalization</i>	
From: TimeIndexParameterKey.TimeIndex To: TimeIndex <i>Association</i>	

3 BaseType

Package: xsd_schemas

Notes: This Package contains the common re-usable structures and types commonly used by EnergyML Schemas.

3.1 AbstractBooleanArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Generic representation of an array of Boolean values. Each derived element provides a specialized implementation to allow specific optimization of the representation.

Associations

Association	Notes
From: AbstractBooleanArray. To: AbstractValueArray <i>Generalization</i>	
From: BooleanConstantArray. To: AbstractBooleanArray <i>Generalization</i>	
From: BooleanArrayFromDiscretePropertyArray. To: AbstractBooleanArray <i>Generalization</i>	
From: BooleanExternalArray. To: AbstractBooleanArray <i>Generalization</i>	
From: BooleanArrayFromIndexArray. To: AbstractBooleanArray <i>Generalization</i>	

3.2 AbstractFloatingPointArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Generic representation of an array of double values. Each derived element provides specialized implementation to allow specific optimization of the representation.

Associations

Association	Notes
From: AbstractFloatingPointArray. To: AbstractNumericArray <i>Generalization</i>	
From: FloatingPointLatticeArray. To: AbstractFloatingPointArray <i>Generalization</i>	
From: VerticalCoordinate.Values To: AbstractFloatingPointArray <i>Association</i>	
From: Chloride.Values To: AbstractFloatingPointArray <i>Association</i>	
From: FloatingPointConstantArray. To: AbstractFloatingPointArray <i>Generalization</i>	
From: API.Values To: AbstractFloatingPointArray <i>Association</i>	
From: OilAndGasRatio.Values To: AbstractFloatingPointArray <i>Association</i>	
From: Salinity.Values To: AbstractFloatingPointArray <i>Association</i>	
From: Density.Values To: AbstractFloatingPointArray <i>Association</i>	
From: Temperature.Values To: AbstractFloatingPointArray <i>Association</i>	
From: RS.Values To: AbstractFloatingPointArray <i>Association</i>	
From: ViscosityCompressibility.Values To: AbstractFloatingPointArray <i>Association</i>	
From: FloatingPointExternalArray. To: AbstractFloatingPointArray <i>Generalization</i>	
From: Viscosity.Values	

Association	Notes
To: AbstractFloatingPointArray <i>Association</i>	
From: FormationVolumeFactor.Values To: AbstractFloatingPointArray <i>Association</i>	
From: Pressure.Values To: AbstractFloatingPointArray <i>Association</i>	

3.3 AbstractIntegerArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Generic representation of an array of integer values. Each derived element provides specialized implementation to allow specific optimization of the representation.

Associations

Association	Notes
From: AbstractIntegerArray. To: AbstractNumericArray <i>Generalization</i>	
From: IntegerArrayFromBooleanMaskArray. To: AbstractIntegerArray <i>Generalization</i>	
From: IntegerRangeArray. To: AbstractIntegerArray <i>Generalization</i>	
From: CmpLineFeature.NearestShotPointIndices To: AbstractIntegerArray <i>Association</i>	Index of closest shot point (inside the associated CmpPointLineFeature) for each cmp.
From: IntegerConstantArray. To: AbstractIntegerArray <i>Generalization</i>	
From: IntegerExternalArray. To: AbstractIntegerArray <i>Generalization</i>	
From: IntegerLatticeArray. To: AbstractIntegerArray <i>Generalization</i>	

3.4 AbstractMeasure

Type: Class *Stereotype:* «XSDsimpleType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes: The intended abstract supertype of all quantities that have a value with a unit of measure. The unit of measure is in the uom attribute of the subtypes.

This type allows all quantities to be profiled to be a 'float' instead of a 'double'.

Associations

Association	Notes
From: LengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureMe asureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricFieldStrengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PermeabilityRockMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: SolidAngleMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFluxDensityPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerMassPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AnglePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerAmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AnglePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

Association	Notes
1..1 From: ForceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerRotationMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
1..1 From: LengthPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: APIGravityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: APIGravityMeasure. To: AbstractMeasure <i>Generalization</i>	
1..1 From: AnglePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
1..1 From: MassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricCurrentMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LuminanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PowerPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermalConductanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: QuantityOfLightMeasureExt. To: AbstractMeasure <i>Generalization</i>	

Association	Notes
From: WellElevationCoord. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LuminousIntensityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectromagneticMomentMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PressureTimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DynamicViscosityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: RadianceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LogarithmicPowerRatioMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: IlluminanceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: AngularAccelerationMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerEnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: AbsorbedDoseMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricCurrentDensityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: SecondMomentOfAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MomentOfInertiaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: HeatTransferCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricalResistivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticPermeabilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MolarHeatCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PressureSquaredMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: MolecularWeightMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyLengthPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ForceMeasureExt. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
1..1 From: DynamicViscosityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: RadianceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MeasuredDepthCoord. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AngularVelocityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LightExposureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DipoleMomentMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricalResistivityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: HeatCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: CationExchangeCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: IsothermalCompressibilityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MomentOfInertiaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectromagneticMomentMeasureExt. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: FrequencyMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: HeatFlowRateMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: GenericMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PvtModelParameter. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerMassMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ThermalDiffusivityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DistanceNorthSouth. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: HeatFlowRateMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PowerPerPowerMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LogarithmicPowerRatioMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PowerPerPowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalLengthMeasureExt. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: TimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AbsorbedDoseMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerVolumeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: PressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFluxDensityPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: APINeutronMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LuminousEfficacyMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PowerPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumetricThermalExpansionMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerMassPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ElectricConductivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassLengthMeasureExt. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: ThermalInsulanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ThermodynamicTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticDipoleMomentMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricCurrentMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: MolarEnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricPotentialDifferenceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ForceLengthPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PermeabilityRockMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: DigitalStorageMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerCountMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerPressureMeasureExt. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: HeatTransferCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PotentialDifferencePerPowerDropMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LinearAccelerationMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: DataTransferSpeedMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: CapacitanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: DistanceEastWest. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ActivityOfRadioactivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PlaneAngleMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressureTimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LinearThermalExpansionMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: SignalingEventPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalVolumeMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: ReciprocalMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PressureSquaredMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricConductanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MomentOfForceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ForceLengthPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: DimensionlessMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: NormalizedPowerMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerPressureMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: MassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressureMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: CationExchangeCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReluctanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerPressureLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerPressureLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerCountMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TimePerMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MobilityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: IlluminanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MobilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

Association	Notes
From: MagneticFluxDensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFieldStrengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimeLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReferencePressure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerForceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DoseEquivalentMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MolarHeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerAmountOfSubstanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: KinematicViscosityMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: CapacitanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
1..1 From: LengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: WellVerticalDepthCoord. To: AbstractMeasure <i>Generalization</i>	
From: LuminousEfficacyMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MolarEnergyMeasure. To: AbstractMeasure <i>Generalization</i>	
1..1 From: SpecificHeatCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricResistancePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: SpecificHeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
1..1 From: VolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ForceAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PowerPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermalInsulanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: AmountOfSubstancePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MagneticVectorPotentialMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFluxMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MomentumMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: APIGammaRayMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: FrequencyMeasure. To: AbstractMeasure <i>Generalization</i>	
From: SecondMomentOfAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricResistanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AngularVelocityMeasure. 1.1 To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TemperatureIntervalPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticVectorPotentialMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalForceMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: PowerPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricFieldStrengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: APINeutronMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimeSeriesDoubleSample. To: AbstractMeasure <i>Generalization</i>	
From: DimensionlessMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: EndpointQuantity. To: AbstractMeasure <i>Generalization</i>	
From: ThermalResistanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DiffusiveTimeOfFlightMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalMassTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ElectricConductivityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DiffusiveTimeOfFlightMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalMassMeasure. To: AbstractMeasure <i>Generalization</i>	
From: TimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VerticalCoordinateMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MomentumMeasure. To: AbstractMeasure	

Association	Notes
<i>Generalization</i>	
From: MolarVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VerticalCoordinateMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: MeasureOrQuantity. To: AbstractMeasure <i>Generalization</i>	
From: InductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MeasureOrQuantity. To: AbstractMeasure <i>Generalization</i>	
From: MomentOfForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: NormalizedPowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermalResistanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricChargePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LuminousFluxMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: SolidAngleMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: APIGammaRayMeasure. To: AbstractMeasure <i>Generalization</i>	
1..1 From: ThermodynamicTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerRotationMeasureExt.	

Association	Notes
To: AbstractMeasure <i>Generalization</i>	
From: AreaPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermalDiffusivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerEnergyMeasure. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerAreaMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ReluctanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LuminousFluxMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: DoseEquivalentMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticDipoleMomentMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: EnergyLengthPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: RadianIntensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricResistancePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PermittivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ThermalConductivityMeasureExt.	

Association	Notes
To: AbstractMeasure <i>Generalization</i>	
From: DiffusionCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	
From: HeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerMassMeasure. 1.1 To: AbstractMeasure <i>Generalization</i>	
From: ThermalConductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: IsothermalCompressibilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricPotentialDifferenceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DipoleMomentMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFluxMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalVolumeMeasureExt.	

Association	Notes
To: AbstractMeasure <i>Generalization</i>	
From: ElectricCurrentDensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalPressureMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: PlaneAngleMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: ElectricConductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimeLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MolecularWeightMeasure. To: AbstractMeasure <i>Generalization</i>	
From: FrequencyIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LinearAccelerationMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: DiffusionCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AnglePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PermittivityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LuminousIntensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: SignalingEventPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ActivityOfRadioactivityMeasure.	

Association	Notes
To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: LuminanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: DataTransferSpeedMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ForceAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: EnergyPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: BinaryInteractionCoefficient. To: AbstractMeasure <i>Generalization</i>	
From: PressurePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ReciprocalMassTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFieldStrengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MagneticPermeabilityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LightExposureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerTimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

Association	Notes
From: InductanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: ForcePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MagneticFluxDensityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: RadianIntensityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: FrequencyIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: QuantityOfLightMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PowerMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LinearThermalExpansionMeasure. To: AbstractMeasure <i>Generalization</i>	
From: PermeabilityLengthMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MolarVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AmountOfSubstancePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: AreaPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: DigitalStorageMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: TimePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ElectricResistanceMeasure. To: AbstractMeasure <i>Generalization</i>	

Association	Notes
From: AngularAccelerationMeasure. To: AbstractMeasure <i>Generalization</i>	
From: VolumetricThermalExpansionMeasure. To: AbstractMeasure <i>Generalization</i>	
From: KinematicViscosityMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: PermeabilityLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermalConductivityMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MeasuredDepthCoord. To: AbstractMeasure <i>Generalization</i>	
From: PotentialDifferencePerPowerDropMeasure. To: AbstractMeasure <i>Generalization</i>	
From: MassPerVolumePerTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureMe asure. To: AbstractMeasure <i>Generalization</i>	
From: LengthPerTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	

3.5 AbstractNumericArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/3/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AbstractNumericArray. To: AbstractValueArray <i>Generalization</i>	
1 From: DasFbeData.FbedataArray To: AbstractNumericArray <i>Association</i>	
1 From: DasRawData.RawdataArray To: AbstractNumericArray <i>Association</i>	
From: AbstractIntegerArray. To: AbstractNumericArray <i>Generalization</i>	
From: AbstractFloatingPointArray. To: AbstractNumericArray <i>Generalization</i>	
1 From: DasSpectraData.SpectradataArray To: AbstractNumericArray <i>Association</i>	

3.6 AbstractString

Type: Class *Stereotype:* «XSDsimpleType»

Detail: Created: 5/7/2014 Last modified: 10/26/2016

Notes: The intended abstract supertype of all strings. This abstract type allows the control over whitespace for all strings to be defined at a high level. This type should not be used directly except to derive another type.

Associations

Association	Notes
From: String64. To: AbstractString <i>Generalization</i>	
From: UomEnum. To: AbstractString <i>Generalization</i>	
From: TimeStamp. To: AbstractString <i>Generalization</i>	
From: String2000. To: AbstractString <i>Generalization</i>	
From: EnumExtensionPattern. To: AbstractString <i>Generalization</i>	
From: UuidString. To: AbstractString <i>Generalization</i>	
From: TimeSeriesStringSample. To: AbstractString <i>Generalization</i>	
From: KeywordValueStruct. To: AbstractString <i>Generalization</i>	

3.7 AbstractStringArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AbstractStringArray. To: AbstractValueArray <i>Generalization</i>	
From: StringExternalArray. To: AbstractStringArray <i>Generalization</i>	
From: StringConstantArray. To: AbstractStringArray <i>Generalization</i>	

3.8 AbstractValueArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Generic representation of an array of numeric, Boolean, and string values. Each derived element provides specialized implementation for specific content types or for optimization of the representation.

Associations

Association	Notes
From: ExpressionArray. To: AbstractValueArray <i>Generalization</i>	
From: AbstractBooleanArray. To: AbstractValueArray <i>Generalization</i>	
From: AbstractNumericArray. To: AbstractValueArray <i>Generalization</i>	
From: AbstractStringArray. To: AbstractValueArray <i>Generalization</i>	

3.9 AuthorityQualifiedName

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/3/2016 Last modified: 11/3/2016

Notes:

Attributes

Name	Type	Notes
authority	String64	
code	String64	

Associations

Association	Notes
From: AuthorityQualifiedName. To: String64 <i>Generalization</i>	

3.10 BooleanArrayFromIndexArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: An array of Boolean values defined by specifying explicitly which indices in the array are either true or false. This class is used to represent very sparse true or false data.

Attributes

Name	Type	Notes
Count	PositiveLong	Total number of Boolean elements in the array. This number is different from the number of indices used to represent the array.
IndexIsTrue	boolean	Indicates whether the specified elements are true or false.
Indices	AbstractIntegerArray	Array of integer indices. BUSINESS RULE: Must be non-negative.

Associations

Association	Notes
From: BooleanArrayFromIndexArray. To: AbstractBooleanArray <i>Generalization</i>	

3.11 BooleanConstantArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Represents an array of Boolean values where all values are identical. This is an optimization for which an array of explicit Boolean values is not required.

Attributes

Name	Type	Notes
Count	PositiveLong	Size of the array.
Value	boolean	Value inside all the elements of the array.

Associations

Association	Notes
From: BooleanConstantArray. To: AbstractBooleanArray <i>Generalization</i>	

3.12 BooleanExternalArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Array of Boolean values provided explicitly by an HDF5 dataset.

Attributes

Name	Type	Notes
Values	ExternalDataset	Reference to an HDF5 array of values.

Associations

Association	Notes
From: BooleanExternalArray. To: AbstractBooleanArray <i>Generalization</i>	

3.13 DoubleExternalArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes:

Associations

Association	Notes
From: DoubleExternalArray. To: FloatingPointExternalArray <i>Generalization</i>	

3.14 EnumExtensionPattern

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnumExtensionPattern. To: AbstractString <i>Generalization</i>	
From: CationExchangeCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PlaneAngleUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerPerPowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MomentOfInertiaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousIntensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricResistanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: APIGammaRayUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: Shape3dExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerMassPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricConductivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: IsothermalCompressibilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFluxDensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForceAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DigitalStorageUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerPressureLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PseudoComponentEnumExt. To: EnumExtensionPattern <i>Generalization</i>	
From: APINeutronUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticVectorPotentialUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: IlluminanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: AmountOfSubstancePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerCountUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReluctanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ProductFluidKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerAmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EquipmentTypeExt. To: EnumExtensionPattern <i>Generalization</i>	
From: HeatTransferCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MomentOfForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureSquaredUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaUomExt. To: EnumExtensionPattern	

Association	Notes
<i>Generalization</i>	
From: MassPerVolumePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PermittivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricResistancePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFluxDensityPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureUo mExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricalResistivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PvtModelParameterKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: QuantityOfLightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousFluxUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricFieldStrengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermodynamicTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PotentialDifferencePerPowerDropUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: HeatFlowRateUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: VerticalCoordinateUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DiffusionCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DynamicViscosityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricChargePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolarHeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ChannelClassKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricChargePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalDiffusivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticDipoleMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PermeabilityRockUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFieldStrengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DiffusiveTimeOfFlightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DataTransferSpeedUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: ThermalConductivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressurePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: FacetExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PlusComponentEnumExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ActivityOfRadioactivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalConductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressurePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricCurrentDensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: SpecificHeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: InductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForcePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForcePerForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LogarithmicPowerRatioUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousEfficacyUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: LithologyKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalPerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LightExposureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PermeabilityLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerEnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DipoleMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AngularVelocityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AbsorbedDoseUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MomentumUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricPotentialDifferenceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolecularWeightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: UnitOfMeasureExt. To: EnumExtensionPattern <i>Generalization</i>	
From: HeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: PowerPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MobilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: RadianceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: FrequencyIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalMassTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: FrequencyUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolarEnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolarVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressurePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LithologyQualifierKindExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: OutputFluidPropertyExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricConductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DimensionlessUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PureComponentEnumExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricChargeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyLengthPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LinearAccelerationUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalInsulanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ServiceFluidKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricChargePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticPermeabilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: SignalingEventPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: LengthPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DoseEquivalentUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: RadianIntensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFluxUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThrowKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: CapacitanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForcePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: SolidAngleUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForceLengthPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: SecondMomentOfAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: KinematicViscosityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AngularAccelerationUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReferenceConditionExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumetricThermalExpansionUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerVolumePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalResistanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LinearThermalExpansionUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: APIGravityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerRotationUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: NormalizedPowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimeLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectromagneticMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

Association	Notes
From: VolumePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerVolumePerTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AnglePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DasCalibrationTypeExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AnglePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureTimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricCurrentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

3.15 FloatExternalArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes:

Associations

Association	Notes
From: FloatExternalArray. To: FloatingPointExternalArray <i>Generalization</i>	

3.16 FloatingPointConstantArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Represents an array of double values where all values are identical. This is an optimization for which an array of explicit double values is not required.

Attributes

Name	Type	Notes
Count	PositiveLong	Size of the array.
Value	double	Values inside all the elements of the array.

Associations

Association	Notes
From: FloatingPointConstantArray. To: AbstractFloatingPointArray <i>Generalization</i>	
1..* From: FloatingPointLatticeArray.Offset To: FloatingPointConstantArray <i>Association</i>	<p>An offset value indicates the double difference between two consecutive double values of the lattice double values against one particular dimension.</p> <p>For example, in case of a 1D lattice, the offset value corresponds to the double difference between the value at index 1 and the value at index 0. It also corresponds to the double difference between the value at index2 and the value at index 1, etc.</p> <p>There is one offset value per dimension of the lattice double values.</p> <p>The first offset value corresponds to the first dimension of the lattice double value, the second offset value corresponds to the second dimension of the lattice double value, etc.</p> <p>The offset count defines the count of double difference between two consecutive double values. It is n-1 where n is the number of values in the dimension of the double lattice array.</p>

3.17 FloatingPointExternalArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: An array of double values provided explicitly by an HDF5 dataset.
By convention, the null value is NaN.

Attributes

Name	Type	Notes
Values	ExternalDataset	Reference to an HDF5 array of doubles.

Associations

Association	Notes
From: FloatingPointExternalArray. To: AbstractFloatingPointArray <i>Generalization</i>	
From: FloatExternalArray. To: FloatingPointExternalArray <i>Generalization</i>	
From: DoubleExternalArray. To: FloatingPointExternalArray <i>Generalization</i>	

3.18 FloatingPointLatticeArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Represents an array of doubles based on an origin and a multi-dimensional offset. The offset is based on a linearization of a multi-dimensional offset.

If count(i) is the number of elements in the dimension i and offset(i) is the offset in the dimension i, then:

$$\text{globalOffsetInNDimension} = \text{startValue} + n_1 * \text{offset}(n) + n_{-1} * \text{count}(n) * \text{offset}(n-1) + \dots +$$

$n_i * \text{count}(n) * \text{count}(n-1) * \dots * \text{count}(1) * \text{offset}(0)$

Attributes

Name	Type	Notes
StartValue	double	Value representing the global start for the lattice.

Associations

Association	Notes
From: FloatingPointLatticeArray. To: AbstractFloatingPointArray <i>Generalization</i>	
From: FloatingPointLatticeArray.Offset 1..* To: FloatingPointConstantArray <i>Association</i>	<p>An offset value indicates the double difference between two consecutive double values of the lattice double values against one particular dimension.</p> <p>For example, in case of a 1D lattice, the offset value corresponds to the double difference between the value at index 1 and the value at index 0. It also corresponds to the double difference between the value at index2 and the value at index 1, etc.</p> <p>There is one offset value per dimension of the lattice double values.</p> <p>The first offset value corresponds to the first dimension of the lattice double value, the second offset value corresponds to the second dimension of the lattice double value, etc.</p> <p>The offset count defines the count of double difference between two consecutive double values. It is $n-1$ where n is the number of values in the dimension of the double lattice array.</p>

3.19 GenericMeasure

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/13/2015 Last modified: 11/11/2016

Notes: A generic measure type.

This should not be used except in situations where the underlying class of data is captured elsewhere. For example, for a log curve.

Attributes

Name	Type	Notes
uom	UomEnum	

Associations

Association	Notes
From: GenericMeasure. To: AbstractMeasure <i>Generalization</i>	

3.20 IntegerArrayFromBooleanMaskArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: One-dimensional array of integer values obtained from the true elements of the Boolean mask.

Attributes

Name	Type	Notes
Mask	AbstractBooleanArray	Boolean mask. A true element indicates that the index is included on the list of integer values.
TotalIndexCount	PositiveLong	Total number of integer elements in the array. This number is different from the number of Boolean mask values used to represent the array.

Associations

Association	Notes
From: IntegerArrayFromBooleanMaskArray. To: AbstractIntegerArray <i>Generalization</i>	

3.21 IntegerConstantArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Represents an array of integer values where all values are identical. This is an optimization for which an array of explicit integer values is not required.

Attributes

Name	Type	Notes
Count	PositiveLong	Size of the array.
Value	long	Values inside all the elements of the array.

Associations

Association	Notes
From: IntegerConstantArray. To: AbstractIntegerArray <i>Generalization</i>	
1..* From: IntegerLatticeArray.Offset To: IntegerConstantArray <i>Association</i>	<p>An offset value indicates the integer difference between two consecutive integer values of the lattice integer values against one particular dimension.</p> <p>For example, in case of a 1D lattice, the offset value corresponds to the integer difference between the value at index 1 and the value at index 0. It also corresponds to the integer difference between the value at index2 and the value at index 1, etc.</p> <p>There is one offset value per dimension of the lattice integer values.</p> <p>The first offset value corresponds to the first dimension of the lattice integer value, the second offset value corresponds to the second dimension of the lattice integer value, etc.</p> <p>The offset count defines the count of integer difference between two consecutive integer values. It is n-1 where n is the number of values in the dimension of the integer lattice array.</p>

3.22 IntegerExternalArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Array of integer values provided explicitly by an HDF5 dataset. The null value must be explicitly provided in the NullValue attribute of this class.

Attributes

Name	Type	Notes
NullValue	long	
Values	ExternalDataset	Reference to an HDF5 array of integers or doubles.

Associations

Association	Notes
From: IntegerExternalArray. To: AbstractIntegerArray <i>Generalization</i>	
1 From: DasTimeArray.TimeArray To: IntegerExternalArray <i>Association</i>	

3.23 IntegerLatticeArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 11/1/2016

Notes: Represents an array of integers based on an origin and a multi-dimensional offset. The offset is based on a linearization of a multi-dimensional offset.

If count(i) is the number of elements in the dimension i and offset(i) is the offset in the dimension i, then:

$$\text{globalOffsetInNDimension} = \text{startValue} + n_1 * \text{offset}(n) + n_{-1} * \text{count}(n) * \text{offset}(n-1) + \dots +$$

$n_i * \text{count}(n) * \text{count}(n-1) * \dots * \text{count}(1) * \text{offset}(0)$

Attributes

Name	Type	Notes
StartValue	long	Value representing the global start for the lattice: i.e., $i\text{Start} + j\text{Start} * n_i + k\text{Start} * n_i * n_j$

Associations

Association	Notes
From: IntegerLatticeArray.Offset To: IntegerConstantArray <i>Association</i>	<p>An offset value indicates the integer difference between two consecutive integer values of the lattice integer values against one particular dimension.</p> <p>For example, in case of a 1D lattice, the offset value corresponds to the integer difference between the value at index 1 and the value at index 0. It also corresponds to the integer difference between the value at index2 and the value at index 1, etc.</p> <p>There is one offset value per dimension of the lattice integer values.</p> <p>The first offset value corresponds to the first dimension of the lattice integer value, the second offset value corresponds to the second dimension of the lattice integer value, etc.</p> <p>The offset count defines the count of integer difference between two consecutive integer values. It is $n-1$ where n is the number of values in the dimension of the integer lattice array.</p>
From: IntegerLatticeArray. To: AbstractIntegerArray <i>Generalization</i>	
From: SeismicLatticeFeature.InlineLabels To: IntegerLatticeArray <i>Association</i>	<p>The labels (as they would be found in SEGY trace headers for example) of the inlines of the 3D seismic survey.</p> <p>BUSINESS RULE: Count of this array must</p>

Association	Notes
<p>0..1 From: SeismicLatticeFeature.CrosslineLabels To: IntegerLatticeArray <i>Association</i></p>	<p>be the same as the count of nodes in the fastest axis of the associated grid 2D representations.</p> <p>The labels (as they would be found in SEGY trace headers for example) of the crosslines of the 3D seismic survey.</p> <p>BUSINESS RULE: Count of this array must be the same as the count of nodes in the slowest axis of the associated grid 2D representations.</p>

3.24 IntegerRangeArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 8/13/2015 *Last modified:* 11/1/2016

Notes: Defines an array as a range of integers. The range is defined by an initial value and a count defining the size of the range.

Attributes

Name	Type	Notes
Count	PositiveLong	Size of the array.
Value	long	Start value for the range. End value is start+count-1.

Associations

Association	Notes
From: IntegerRangeArray. To: AbstractIntegerArray <i>Generalization</i>	

3.25 JaggedArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 11/29/2012 Last modified: 11/1/2016

Notes: Data storage object for an array of variable length 1D sub-arrays. The jagged array object consists of these two arrays:

1. An aggregation of all the variable length sub-arrays into a single 1D array.
2. The offsets into the single 1D array, given by the sum of all the sub-array lengths up to and including the current sub-array.

Often referred to as a "list-of-lists" or "array-of-arrays" construction.

For example to store the following three arrays as a jagged array:

(a b c)

(d e f g)

(h)

Elements = (a b c d e f g h)

Cumulative Length = (3 7 8)

Attributes

Name	Type	Notes
CumulativeLength	AbstractIntegerArray	1D array of cumulative lengths to the end of the current sub-array. Each cumulative length is also equal to the index of the first element of the next sub-array, i.e., the index in the elements array for which the next variable length sub-array begins.
Elements	AbstractValueArray	1D array of elements containing the aggregation of individual array data.

3.26 MdInterval

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 2/15/2016 Last modified: 11/2/2016

Notes:

Attributes

Name	Type	Notes
datum	String64	
MdBase	LengthMeasure	
MdTop	LengthMeasure	

3.27 NonNegativeLong

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 2/12/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: CrewCount. To: NonNegativeLong <i>Generalization</i>	

3.28 PositiveLong

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 2/12/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: SafetyCount. To: PositiveLong <i>Generalization</i>	

3.29 String2000

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 3/2/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: String2000. To: AbstractString <i>Generalization</i>	
From: TimestampedCommentString. To: String2000 <i>Generalization</i>	
From: FluidCharacterizationTableRow. To: String2000 <i>Generalization</i>	

3.30 String64

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 3/2/2015 Last modified: 11/2/2016

Notes:

Associations

Association	Notes
From: String64. To: AbstractString <i>Generalization</i>	
From: LithostratigraphicUnit. To: String64 <i>Generalization</i>	
From: PublicLandSurveySystemQuarterTownship. To: String64 <i>Generalization</i>	
From: TypeEnum. To: String64 <i>Generalization</i>	
From: AbstractUidString. To: String64 <i>Generalization</i>	
From: PublicLandSurveySystemQuarterSection. To: String64 <i>Generalization</i>	
From: TimeZone. To: String64 <i>Generalization</i>	
From: NameStruct. To: String64 <i>Generalization</i>	
From: GeochronologicalUnit. To: String64 <i>Generalization</i>	
From: SectionNumber. To: String64 <i>Generalization</i>	
From: AuthorityQualifiedName. To: String64 <i>Generalization</i>	
From: StringMeasure. To: String64 <i>Generalization</i>	
From: EventType. To: String64 <i>Generalization</i>	

3.31 StringConstantArray

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Represents an array of Boolean values where all values are identical. This is an optimization for which an array of explicit Boolean values is not required.

Attributes

Name	Type	Notes
Count	PositiveLong	Size of the array.
Value	String2000	Value inside all the elements of the array.

Associations

Association	Notes
From: StringConstantArray. To: AbstractStringArray <i>Generalization</i>	

3.32 StringExternalArray

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 8/13/2015 Last modified: 10/26/2016

Notes: Used to store explicit string values, i.e., values that are not double, boolean or integers. The datatype of the values will be identified by means of the HDF5 API.

Attributes

Name	Type	Notes
Values	ExternalDataset	Reference to HDF5 array of integer or double

Associations

Association	Notes
From: StringExternalArray. To: AbstractStringArray <i>Generalization</i>	
0..1 From: AbstractSeismicLineFeature.TraceLabels To: StringExternalArray <i>Association</i>	The labels (as they would be found in SEGY trace headers for example) of the traces of the 2D seismic survey. BUSINESS RULE : count of this array must be the same as the count of nodes in the associated polyline representations.

3.33 StringMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/2/2016 Last modified: 11/2/2016

Notes:

Attributes

Name	Type	Notes
uom	UnitOfMeasure	

Associations

Association	Notes
From: StringMeasure. To: String64 <i>Generalization</i>	

3.34 TimeStamp

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimeStamp. To: AbstractString <i>Generalization</i>	

3.35 TimeZone

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 4/13/2015 Last modified: 10/31/2016

Notes: A time zone conforming to the XSD:dateTime specification.

Associations

Association	Notes
From: TimeZone. To: String64 <i>Generalization</i>	

3.36 TvdInterval

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 2/15/2016 Last modified: 11/2/2016

Notes:

Attributes

Name	Type	Notes
datum	String64	
TvdBase	LengthMeasure	True vertical depth at the base of the interval
TvdTop	LengthMeasure	

3.37 TypeEnum

Type: Class **Stereotype:** «XSDsimpleType»

Detail: Created: 5/7/2014 Last modified: 11/3/2016

Notes: The intended abstract supertype of all enumerated "types". This abstract type allows the maximum length of a type enumeration to be centrally defined. This type should not be used directly except to derive another type. It should also be used for uncontrolled strings which are candidates to become enumerations at a future date.

Associations

Association	Notes
From: TypeEnum. To: String64 <i>Generalization</i>	
From: ElevCodeEnum. To: TypeEnum <i>Generalization</i>	
From: TrajStationType. To: TypeEnum <i>Generalization</i>	
From: ValidationOperation. To: TypeEnum <i>Generalization</i>	
From: WellOperationMethod. To: TypeEnum <i>Generalization</i>	
From: StimProppantType. To: TypeEnum <i>Generalization</i>	
From: PumpType. To: TypeEnum <i>Generalization</i>	
From: ErrorPropagationMode. To: TypeEnum <i>Generalization</i>	
From: JarType. To: TypeEnum <i>Generalization</i>	
From: InjectionFluid. To: TypeEnum <i>Generalization</i>	
From: BladeType. To: TypeEnum <i>Generalization</i>	
From: TrajStnCalcAlgorithm. To: TypeEnum <i>Generalization</i>	
From: SurveyToolOperatingMode. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: BitReasonPulled. To: TypeEnum <i>Generalization</i>	
From: WellFluid. To: TypeEnum <i>Generalization</i>	
From: GasPeakType. To: TypeEnum <i>Generalization</i>	
From: EventClassType. To: TypeEnum <i>Generalization</i>	
From: CableType. To: TypeEnum <i>Generalization</i>	
From: LithologySource. To: TypeEnum <i>Generalization</i>	
From: BalanceDestinationType. To: TypeEnum <i>Generalization</i>	
From: NozzleType. To: TypeEnum <i>Generalization</i>	
From: ReferenceCondition. To: TypeEnum <i>Generalization</i>	
From: TubularAssembly. To: TypeEnum <i>Generalization</i>	
From: WellStatus. To: TypeEnum <i>Generalization</i>	
From: PitType. To: TypeEnum <i>Generalization</i>	
From: ExistenceKind. To: TypeEnum <i>Generalization</i>	
From: BoxPinConfig. To: TypeEnum <i>Generalization</i>	
From: BitType. To: TypeEnum <i>Generalization</i>	
From: ProppantAgentKind. To: TypeEnum <i>Generalization</i>	
From: ChannelClassKind. To: TypeEnum <i>Generalization</i>	
From: ReferencePressureKind. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: LithologyKind. To: TypeEnum <i>Generalization</i>	
From: ChannelState. To: TypeEnum <i>Generalization</i>	
From: ReservoirLifeCycleState. To: TypeEnum <i>Generalization</i>	
From: CalculationMethod. To: TypeEnum <i>Generalization</i>	
From: BitDullCode. To: TypeEnum <i>Generalization</i>	
From: OpsReportVersion. To: TypeEnum <i>Generalization</i>	
From: EndpointQualifier. To: TypeEnum <i>Generalization</i>	
From: FiberMode. To: TypeEnum <i>Generalization</i>	
From: ReportingProduct. To: TypeEnum <i>Generalization</i>	
From: BearingType. To: TypeEnum <i>Generalization</i>	
From: ShowFluorescence. To: TypeEnum <i>Generalization</i>	
From: StimStageType. To: TypeEnum <i>Generalization</i>	
From: MimeType. To: TypeEnum <i>Generalization</i>	
From: NameTagNumberingScheme. To: TypeEnum <i>Generalization</i>	
From: MudSubClass. To: TypeEnum <i>Generalization</i>	
From: SurfEquipType. To: TypeEnum <i>Generalization</i>	
From: LithostratigraphicRank. To: TypeEnum <i>Generalization</i>	
From: StimFetTestAnalysisMethod. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: WellDirection. To: TypeEnum <i>Generalization</i>	
From: PhasePresent. To: TypeEnum <i>Generalization</i>	
From: ScrType. To: TypeEnum <i>Generalization</i>	
From: IndexedObject. To: TypeEnum <i>Generalization</i>	
From: ErrorTermSource. To: TypeEnum <i>Generalization</i>	
From: LithologyKindC. To: TypeEnum <i>Generalization</i>	
From: StateDetailActivity. To: TypeEnum <i>Generalization</i>	
From: PrimitiveType. To: TypeEnum <i>Generalization</i>	
From: ControlLineEncapsulationType. To: TypeEnum <i>Generalization</i>	
From: TestReason. To: TypeEnum <i>Generalization</i>	
From: PureComponentEnum. To: TypeEnum <i>Generalization</i>	
From: DrawWorksType. To: TypeEnum <i>Generalization</i>	
From: FiberEndType. To: TypeEnum <i>Generalization</i>	
From: ShowSpeed. To: TypeEnum <i>Generalization</i>	
From: ScaleType. To: TypeEnum <i>Generalization</i>	
From: LineStyle. To: TypeEnum <i>Generalization</i>	
From: VolumeReferenceKind. To: TypeEnum <i>Generalization</i>	
From: DeflectionMethod. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: LoggingMethod. To: TypeEnum <i>Generalization</i>	
From: FacilityKind. To: TypeEnum <i>Generalization</i>	
From: ReasonLost. To: TypeEnum <i>Generalization</i>	
From: StimAdditiveType. To: TypeEnum <i>Generalization</i>	
From: TraceProcessingType. To: TypeEnum <i>Generalization</i>	
From: StimAnalysisMethod. To: TypeEnum <i>Generalization</i>	
From: BopType. To: TypeEnum <i>Generalization</i>	
From: FluidContaminant. To: TypeEnum <i>Generalization</i>	
From: FluidComponentKind. To: TypeEnum <i>Generalization</i>	
From: PvtModelParameterKind. To: TypeEnum <i>Generalization</i>	
From: BalanceFlowPart. To: TypeEnum <i>Generalization</i>	
From: ShowRating. To: TypeEnum <i>Generalization</i>	
From: RiskAffectedPersonnel. To: TypeEnum <i>Generalization</i>	
From: DerrickType. To: TypeEnum <i>Generalization</i>	
From: PrincipalMeridian. To: TypeEnum <i>Generalization</i>	
From: ValidationState. To: TypeEnum <i>Generalization</i>	
From: AuthorizationStatus. To: TypeEnum <i>Generalization</i>	
From: ErrorModelMisalignmentMode. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: OTDRReason. To: TypeEnum <i>Generalization</i>	
From: MeasureClass. To: TypeEnum <i>Generalization</i>	
From: StimStageFlowPathType. To: TypeEnum <i>Generalization</i>	
From: FlowSubQualifier. To: TypeEnum <i>Generalization</i>	
From: TargetScope. To: TypeEnum <i>Generalization</i>	
From: WellboreShape. To: TypeEnum <i>Generalization</i>	
From: PIDXCommodityCode. To: TypeEnum <i>Generalization</i>	
From: OutputFluidProperty. To: TypeEnum <i>Generalization</i>	
From: ReadingKind. To: TypeEnum <i>Generalization</i>	
From: MatrixCementKind. To: TypeEnum <i>Generalization</i>	
From: RiskType. To: TypeEnum <i>Generalization</i>	
From: StimFluidSubtype. To: TypeEnum <i>Generalization</i>	
From: ReportingFacility. To: TypeEnum <i>Generalization</i>	
From: ThermodynamicPhase. To: TypeEnum <i>Generalization</i>	
From: CalibrationPointRole. To: TypeEnum <i>Generalization</i>	
From: DriveType. To: TypeEnum <i>Generalization</i>	
From: JarAction. To: TypeEnum <i>Generalization</i>	
From: ChannelStatus. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: WellFluid. To: TypeEnum <i>Generalization</i>	
From: MixingRule. To: TypeEnum <i>Generalization</i>	
From: ValueStatus. To: TypeEnum <i>Generalization</i>	
From: WftTestDataRole. To: TypeEnum <i>Generalization</i>	
From: ConnectionPosition. To: TypeEnum <i>Generalization</i>	
From: StimAdditiveKind. To: TypeEnum <i>Generalization</i>	
From: TerminationType. To: TypeEnum <i>Generalization</i>	
From: LogSectionType. To: TypeEnum <i>Generalization</i>	
From: QuantityClassKind. To: TypeEnum <i>Generalization</i>	
From: SampleAction. To: TypeEnum <i>Generalization</i>	
From: MessageDigestType. To: TypeEnum <i>Generalization</i>	
From: ReportingDurationKind. To: TypeEnum <i>Generalization</i>	
From: HoleOpenerType. To: TypeEnum <i>Generalization</i>	
From: FacilityParameter. To: TypeEnum <i>Generalization</i>	
From: ReportingProperty. To: TypeEnum <i>Generalization</i>	
From: AddressQualifier. To: TypeEnum <i>Generalization</i>	
From: LogTrackType. To: TypeEnum <i>Generalization</i>	
From: ShowSpeed. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: OTDRDirection. To: TypeEnum <i>Generalization</i>	
From: MaterialType. To: TypeEnum <i>Generalization</i>	
From: ChannelDerivation. To: TypeEnum <i>Generalization</i>	
From: StimMaterialKind. To: TypeEnum <i>Generalization</i>	
From: ShowLevel. To: TypeEnum <i>Generalization</i>	
From: SafetyType. To: TypeEnum <i>Generalization</i>	
From: TargetCategory. To: TypeEnum <i>Generalization</i>	
From: MeasurementType. To: TypeEnum <i>Generalization</i>	
From: WellTestType. To: TypeEnum <i>Generalization</i>	
From: NameTagLocation. To: TypeEnum <i>Generalization</i>	
From: EtpDataType. To: TypeEnum <i>Generalization</i>	
From: WellKillingProcedureType. To: TypeEnum <i>Generalization</i>	
From: OperationKind. To: TypeEnum <i>Generalization</i>	
From: FiberSpliceTypes. To: TypeEnum <i>Generalization</i>	
From: WellboreFluidLocation. To: TypeEnum <i>Generalization</i>	
From: WellboreType. To: TypeEnum <i>Generalization</i>	
From: LithologyQualifierKind. To: TypeEnum <i>Generalization</i>	
From: DrillActivityCode. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: BalanceEventKind. To: TypeEnum <i>Generalization</i>	
From: RigType. To: TypeEnum <i>Generalization</i>	
From: WftTestKind. To: TypeEnum <i>Generalization</i>	
From: StimFluidKind. To: TypeEnum <i>Generalization</i>	
From: ReportingFlow. To: TypeEnum <i>Generalization</i>	
From: ShowFluorescence. To: TypeEnum <i>Generalization</i>	
From: ReservoirFluidKind. To: TypeEnum <i>Generalization</i>	
From: ControlLineEncapsulationSize. To: TypeEnum <i>Generalization</i>	
From: ShowFluid. To: TypeEnum <i>Generalization</i>	
From: FileNameType. To: TypeEnum <i>Generalization</i>	
From: BhaStatus. To: TypeEnum <i>Generalization</i>	
From: GeochronologicalRank. To: TypeEnum <i>Generalization</i>	
From: FluidComponentBasis. To: TypeEnum <i>Generalization</i>	
From: InnerBarrelType. To: TypeEnum <i>Generalization</i>	
From: DasCalibrationType. To: TypeEnum <i>Generalization</i>	
From: StimFluidSubtype. To: TypeEnum <i>Generalization</i>	
From: StimFluidType. To: TypeEnum <i>Generalization</i>	
From: EndpointQualifierInterval. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: ControlLineSize. To: TypeEnum <i>Generalization</i>	
From: WftFlowingIntervalKind. To: TypeEnum <i>Generalization</i>	
From: RiskSubCategory. To: TypeEnum <i>Generalization</i>	
From: TargetSectionScope. To: TypeEnum <i>Generalization</i>	
From: saturationKind. To: TypeEnum <i>Generalization</i>	
From: LogIndexType. To: TypeEnum <i>Generalization</i>	
From: MudClass. To: TypeEnum <i>Generalization</i>	
From: AddressKindEnum. To: TypeEnum <i>Generalization</i>	
From: PathDefectTypes. To: TypeEnum <i>Generalization</i>	
From: ReportVersionStatus. To: TypeEnum <i>Generalization</i>	
From: WftTestResultKind. To: TypeEnum <i>Generalization</i>	
From: PIDXCommodityCode. To: TypeEnum <i>Generalization</i>	
From: WellDirection. To: TypeEnum <i>Generalization</i>	
From: SampleQuality. To: TypeEnum <i>Generalization</i>	
From: DasDimensions. To: TypeEnum <i>Generalization</i>	
From: NameTagTechnology. To: TypeEnum <i>Generalization</i>	
From: FlowQualifier. To: TypeEnum <i>Generalization</i>	
From: ShowRating. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: ProductFlowPortType. To: TypeEnum <i>Generalization</i>	
From: HoleCasingType. To: TypeEnum <i>Generalization</i>	
From: PumpOpType. To: TypeEnum <i>Generalization</i>	
From: EastOrWest. To: TypeEnum <i>Generalization</i>	
From: NorthOrSouth. To: TypeEnum <i>Generalization</i>	
From: QualifierType. To: TypeEnum <i>Generalization</i>	
From: SupportCraftType. To: TypeEnum <i>Generalization</i>	
From: MatrixCementTypeC. To: TypeEnum <i>Generalization</i>	
From: OpticalPathConfiguration. To: TypeEnum <i>Generalization</i>	
From: ShowLevel. To: TypeEnum <i>Generalization</i>	
From: StimJobDiversionMethod. To: TypeEnum <i>Generalization</i>	
From: WellControlIncidentType. To: TypeEnum <i>Generalization</i>	
From: ItemState. To: TypeEnum <i>Generalization</i>	
From: WftEventKind. To: TypeEnum <i>Generalization</i>	
From: PresTestType. To: TypeEnum <i>Generalization</i>	
From: LogRectangleType. To: TypeEnum <i>Generalization</i>	
From: ValidationResult. To: TypeEnum <i>Generalization</i>	
From: RiskCategory. To: TypeEnum	

Association	Notes
<i>Generalization</i>	
From: WellPurpose. To: TypeEnum <i>Generalization</i>	
From: BladeShapeType. To: TypeEnum <i>Generalization</i>	
From: PlusComponentEnum. To: TypeEnum <i>Generalization</i>	
From: PseudoComponentEnum. To: TypeEnum <i>Generalization</i>	
From: TrajStationStatus. To: TypeEnum <i>Generalization</i>	
From: FiberConnectorTypes. To: TypeEnum <i>Generalization</i>	
From: BackupScaleType. To: TypeEnum <i>Generalization</i>	
From: WftStationKind. To: TypeEnum <i>Generalization</i>	
From: TypeSurveyTool. To: TypeEnum <i>Generalization</i>	
From: DrillActivityClassType. To: TypeEnum <i>Generalization</i>	
From: AziRef. To: TypeEnum <i>Generalization</i>	
From: InterpretationProcessingType. To: TypeEnum <i>Generalization</i>	

3.38 UomEnum

Type: Class **Stereotype:** «XSDsimpleType»

Detail: Created: 5/7/2014 Last modified: 10/26/2016

Notes: The intended abstract supertype of all "units of measure".

This abstract type allows the maximum length of a UOM enumeration to be centrally defined.

This type is abstract in the sense that it should not be used directly except to derive another type.

Associations

Association	Notes
From: UomEnum. To: AbstractString <i>Generalization</i>	
From: PressurePerPressureUom. To: UomEnum <i>Generalization</i>	
From: ForceAreaUom. To: UomEnum <i>Generalization</i>	
From: ElectricConductivityUom. To: UomEnum <i>Generalization</i>	
From: MomentumUom. To: UomEnum <i>Generalization</i>	
From: SpecificHeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalUom. To: UomEnum <i>Generalization</i>	
From: PressureTimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: ElectricCurrentDensityUom. To: UomEnum <i>Generalization</i>	
From: ForceLengthPerLengthUom. To: UomEnum <i>Generalization</i>	
From: MolarHeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: LengthUom. To: UomEnum <i>Generalization</i>	
From: AreaUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: ElectricChargeUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerMassUom. To: UomEnum <i>Generalization</i>	
From: TimeUom. To: UomEnum <i>Generalization</i>	
From: LinearThermalExpansionUom. To: UomEnum <i>Generalization</i>	
From: ThermalDiffusivityUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalMassUom. To: UomEnum <i>Generalization</i>	
From: MassPerLengthUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerAreaUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerAreaUom. To: UomEnum <i>Generalization</i>	
From: ForcePerLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerLengthUom. To: UomEnum <i>Generalization</i>	
From: ForcePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: MagneticDipoleMomentUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerPressureLengthUom. To: UomEnum <i>Generalization</i>	
From: TimePerMassUom. To: UomEnum <i>Generalization</i>	
From: DoseEquivalentUom. To: UomEnum <i>Generalization</i>	
From: LuminousEfficacyUom. To: UomEnum <i>Generalization</i>	
From: ElectricResistanceUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: PowerPerAreaUom. To: UomEnum <i>Generalization</i>	
From: DipoleMomentUom. To: UomEnum <i>Generalization</i>	
From: MagneticVectorPotentialUom. To: UomEnum <i>Generalization</i>	
From: LuminanceUom. To: UomEnum <i>Generalization</i>	
From: AbsorbedDoseUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerLengthUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceUom. To: UomEnum <i>Generalization</i>	
From: APIGammaRayUom. To: UomEnum <i>Generalization</i>	
From: DiffusionCoefficientUom. To: UomEnum <i>Generalization</i>	
From: ForceUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: PermeabilityLengthUom. To: UomEnum <i>Generalization</i>	
From: MassLengthUom. To: UomEnum <i>Generalization</i>	
From: DataTransferSpeedUom. To: UomEnum <i>Generalization</i>	
From: AreaPerTimeUom. To: UomEnum <i>Generalization</i>	
From: TimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerTimeUom. To: UomEnum <i>Generalization</i>	
From: EnergyLengthPerAreaUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: ElectricResistancePerLengthUom. To: UomEnum <i>Generalization</i>	
From: HeatFlowRateUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: LengthPerTimeUom. To: UomEnum <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureUom. To: UomEnum <i>Generalization</i>	
From: VolumetricThermalExpansionUom. To: UomEnum <i>Generalization</i>	
From: ThermalConductivityUom. To: UomEnum <i>Generalization</i>	
From: AngularAccelerationUom. To: UomEnum <i>Generalization</i>	
From: SecondMomentOfAreaUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerPressureUom. To: UomEnum <i>Generalization</i>	
From: AreaPerMassUom. To: UomEnum <i>Generalization</i>	
From: VolumePerMassUom. To: UomEnum <i>Generalization</i>	
From: FrequencyIntervalUom. To: UomEnum <i>Generalization</i>	
From: SignalingEventPerTimeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: ReluctanceUom. To: UomEnum <i>Generalization</i>	
From: VolumePerAreaUom. To: UomEnum <i>Generalization</i>	
From: ForcePerForceUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: MassPerTimeUom. To: UomEnum <i>Generalization</i>	
From: FrequencyUom. To: UomEnum <i>Generalization</i>	
From: LengthPerPressureUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalPressureUom. To: UomEnum <i>Generalization</i>	
From: ThermodynamicTemperatureUom. To: UomEnum <i>Generalization</i>	
From: PlaneAngleUom. To: UomEnum <i>Generalization</i>	
From: DigitalStorageUom. To: UomEnum <i>Generalization</i>	
From: PermeabilityRockUom. To: UomEnum <i>Generalization</i>	
From: ThermalConductanceUom. To: UomEnum <i>Generalization</i>	
From: VolumePerPressureUom. To: UomEnum <i>Generalization</i>	
From: ThermalInsulanceUom. To: UomEnum <i>Generalization</i>	
From: MagneticFieldStrengthUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerAreaUom. To: UomEnum <i>Generalization</i>	
From: MagneticFluxDensityPerLengthUom. To: UomEnum <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerPressureUom. To: UomEnum <i>Generalization</i>	
From: QuantityOfLightUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: ElectricPotentialDifferenceUom. To: UomEnum <i>Generalization</i>	
From: LuminousFluxUom. To: UomEnum <i>Generalization</i>	
From: MolarVolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerRotationUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerMassUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalMassTimeUom. To: UomEnum <i>Generalization</i>	
From: TimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumeUom. To: UomEnum <i>Generalization</i>	
From: MolecularWeightUom. To: UomEnum <i>Generalization</i>	
From: LogarithmicPowerRatioUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerTemperatureUom. To: UomEnum <i>Generalization</i>	
From: ElectricalResistivityUom. To: UomEnum <i>Generalization</i>	
From: ActivityOfRadioactivityUom. To: UomEnum <i>Generalization</i>	
From: AnglePerLengthUom. To: UomEnum <i>Generalization</i>	
From: DimensionlessUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: MassPerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerVolumeUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: InductanceUom. To: UomEnum <i>Generalization</i>	
From: RadianIntensityUom. To: UomEnum <i>Generalization</i>	
From: LengthPerLengthUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerPressureUom. To: UomEnum <i>Generalization</i>	
From: PressureUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimeLengthUom. To: UomEnum <i>Generalization</i>	
From: ElectromagneticMomentUom. To: UomEnum <i>Generalization</i>	
From: MolarEnergyUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalTimeUom. To: UomEnum <i>Generalization</i>	
From: PowerPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: LightExposureUom. To: UomEnum <i>Generalization</i>	
From: AreaPerAreaUom. To: UomEnum <i>Generalization</i>	
From: ElectricCurrentUom. To: UomEnum <i>Generalization</i>	
From: AnglePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: MassUom. To: UomEnum <i>Generalization</i>	
From: PressurePerTimeUom. To: UomEnum <i>Generalization</i>	
From: PermittivityUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: ThermalResistanceUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerMassPerTimeUom. To: UomEnum <i>Generalization</i>	
From: LuminousIntensityUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerLengthUom. To: UomEnum <i>Generalization</i>	
From: IsothermalCompressibilityUom. To: UomEnum <i>Generalization</i>	
From: AreaPerAmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: AreaPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: DynamicViscosityUom. To: UomEnum <i>Generalization</i>	
From: LinearAccelerationUom. To: UomEnum <i>Generalization</i>	
From: NormalizedPowerUom. To: UomEnum <i>Generalization</i>	
From: MagneticFluxDensityUom. To: UomEnum <i>Generalization</i>	
From: MagneticFluxUom. To: UomEnum <i>Generalization</i>	
From: uomString. To: UomEnum <i>Generalization</i>	
From: ReciprocalForceUom. To: UomEnum <i>Generalization</i>	
From: DiffusiveTimeOfFlightUom. To: UomEnum <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthUom. To: UomEnum	

Association	Notes
<i>Generalization</i>	
From: AngularVelocityUom. To: UomEnum <i>Generalization</i>	
From: IlluminanceUom. To: UomEnum <i>Generalization</i>	
From: MassPerMassUom. To: UomEnum <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureUo m. To: UomEnum <i>Generalization</i>	
From: PressurePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: RadianceUom. To: UomEnum <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: LengthPerMassUom. To: UomEnum <i>Generalization</i>	
From: CapacitanceUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientUom. To: UomEnum <i>Generalization</i>	
From: LengthPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: HeatTransferCoefficientUom. To: UomEnum <i>Generalization</i>	
From: TimePerTimeUom. To: UomEnum <i>Generalization</i>	
From: SolidAngleUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimeUom. To: UomEnum <i>Generalization</i>	
From: MassPerAreaUom. To: UomEnum <i>Generalization</i>	

Association	Notes
From: MomentOfInertiaUom. To: UomEnum <i>Generalization</i>	
From: EnergyUom. To: UomEnum <i>Generalization</i>	
From: ElectricConductanceUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerTimeUom. To: UomEnum <i>Generalization</i>	
From: MagneticPermeabilityUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerTimeUom. To: UomEnum <i>Generalization</i>	
From: APIGravityUom. To: UomEnum <i>Generalization</i>	
From: HeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: PowerPerPowerUom. To: UomEnum <i>Generalization</i>	
From: KinematicViscosityUom. To: UomEnum <i>Generalization</i>	
From: ElectricFieldStrengthUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerLengthUom. To: UomEnum <i>Generalization</i>	
From: PressureSquaredUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalVolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateUom. To: UomEnum <i>Generalization</i>	
From: MomentOfForceUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: VerticalCoordinateUom. To: UomEnum <i>Generalization</i>	

Association	Notes
From: PotentialDifferencePerPowerDropUom. To: UomEnum <i>Generalization</i>	
From: MassPerEnergyUom. To: UomEnum <i>Generalization</i>	
From: MassPerTimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: PowerUom. To: UomEnum <i>Generalization</i>	
From: APINeutronUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: MobilityUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalAreaUom. To: UomEnum <i>Generalization</i>	
From: LengthPerTemperatureUom. To: UomEnum <i>Generalization</i>	

3.39 UuidString

Type: Class *Stereotype:* «XSDsimpleType»

Detail: Created: 5/8/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: UuidString. To: AbstractString <i>Generalization</i>	

4 ValueTypes

Package: xsd_schemas

Notes:

4.1 AbsolutePressure

Type: Class *Stereotype*: «XSDcomplexType»
Detail: Created: 11/8/2016 Last modified: 11/11/2016
Notes:

Attributes

Name	Type	Notes
AbsolutePressure	PressureMeasureExt	

Associations

Association	Notes
From: AbsolutePressure. To: AbstractPressureValue <i>Generalization</i>	

4.2 AbstractPressureValue

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Associations

Association	Notes
From: PressureValue. To: AbstractPressureValue <i>Association</i>	
From: GaugePressure. To: AbstractPressureValue <i>Generalization</i>	
From: RelativePressure. To: AbstractPressureValue <i>Generalization</i>	
From: AbsolutePressure. To: AbstractPressureValue <i>Generalization</i>	

4.3 AbstractTemperaturePressure

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 7/2/2014 Last modified: 11/11/2016

Notes: The Abstract base type of standard pressure and temperature

Associations

Association	Notes
From: VolumeValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	
From: DensityValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	
From: TemperaturePressure. To: AbstractTemperaturePressure <i>Generalization</i>	
From: ReferenceTemperaturePressure. To: AbstractTemperaturePressure <i>Generalization</i>	
From: FlowRateValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	

4.4 DensityValue

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/17/2014 Last modified: 11/11/2016

Notes: A possibly temperature and pressure corrected density value.

Attributes

Name	Type	Notes
Density	MassPerVolumeMeasure	The density of the product.

Associations

Association	Notes
From: DensityValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	
0..* From: CommonPropertiesProductVolume. To: DensityValue <i>Association</i>	

4.5 FlowRateValue

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/17/2014 Last modified: 11/11/2016

Notes: A possibly temperature and pressure corrected flow rate value.

Attributes

Name	Type	Notes
FlowRate	VolumePerTimeMeasure	The flow rate of the product. If the 'status' attribute is absent and the value is not "NaN", the data value can be assumed to be good with no restrictions. A value of "NaN" should be interpreted as null and should be not be given unless a status is also specified to explain why it is null.

Associations

Association	Notes
From: FlowRateValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	
From: CommonPropertiesProductVolume.FlowRateValue 0..* To: FlowRateValue <i>Association</i>	

4.6 GaugePressure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
GaugePressure	PressureMeasureExt	

Associations

Association	Notes
From: GaugePressure.ReferencePressure 0..1 To: ReferencePressure <i>Association</i>	
From: GaugePressure. To: AbstractPressureValue <i>Generalization</i>	

4.7 PressureValue

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Associations

Association	Notes
From: PressureValue. To: AbstractPressureValue <i>Association</i>	

4.8 ReferencePressure

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
referencePressureKind	ReferencePressureKind	
uom	PressureUom	

Associations

Association	Notes
From: ReferencePressure. To: AbstractMeasure <i>Generalization</i>	
From: ReferencePressure. To: ReferencePressureKind <i>Dependency</i>	
0..1 From: GaugePressure.ReferencePressure To: ReferencePressure <i>Association</i>	
1 From: RelativePressure.ReferencePressure To: ReferencePressure <i>Association</i>	

4.9 ReferencePressureKind

Type: Enumeration *Stereotype:*

Detail: Created: 3/21/2016 Last modified: 11/11/2016

Notes: ReferencePressureKind

Attributes

Name	Type	Notes
absolute		absolute
ambient		ambient
legal		

Associations

Association	Notes
From: ReferencePressureKind. To: TypeEnum <i>Generalization</i>	
From: ReferencePressure. To: ReferencePressureKind <i>Dependency</i>	

4.10 ReferenceTemperaturePressure

Type: Class *Stereotype:* «XSDcomplexType»
Detail: Created: 7/2/2014 Last modified: 11/11/2016
Notes: StdTempPress

Attributes

Name	Type	Notes
ReferenceTempPres	ReferenceConditionExt	Defines the reference temperature and pressure to which the density has been corrected. If neither standardTempPres nor temp,pres are specified then the standard condition is defined by standardTempPres at the productVolume root.

Associations

Association	Notes
From: ReferenceTemperaturePressure. To: AbstractTemperaturePressure <i>Generalization</i>	

4.11 RelativePressure

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
RelativePressure	PressureMeasure	

Associations

Association	Notes
From: RelativePressure. To: AbstractPressureValue <i>Generalization</i>	
From: RelativePressure.ReferencePressure To: ReferencePressure <i>Association</i> 1	

4.12 TemperaturePressure

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 7/2/2014 Last modified: 11/11/2016

Notes: temperature and pressure

Attributes

Name	Type	Notes
Pressure	PressureMeasure	The pressure to which the density has been corrected. If given, then a temperature must also be given. Common standard pressures are: 1 atm and 14.696 psi (which are equivalent). If neither standardTempPres nor temp,pres are specified then the standard condition is defined by standardTempPres at the productVolume root.
Temperature	ThermodynamicTemperatureMeasure	The temperature to which the density has been corrected. If given, then a pressure must also be given. Common standard temperatures are: 0 degC, 15 degC, 60 degF. If neither standardTempPres nor temp,pres are specified then the standard condition is defined by standardTempPres at the productVolume root.

Associations

Association	Notes
From: TemperaturePressure. To: AbstractTemperaturePressure <i>Generalization</i>	

4.13 VolumeValue

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 4/17/2014 Last modified: 11/11/2016

Notes: A possibly temperature and pressure corrected volume value.

Attributes

Name	Type	Notes
Volume	VolumeMeasure	The volume of the product. If the 'status' attribute is absent and the value is not "NaN", the data value can be assumed to be good with no restrictions. A value of "NaN" should be interpreted as null and should be not be given unless a status is also specified to explain why it is null.

Associations

Association	Notes
From: VolumeValue.MeasurementPressureTemperature To: AbstractTemperaturePressure <i>Association</i>	
From: CommonPropertiesProductVolume.VolumeValue 0..* To: VolumeValue <i>Association</i>	
From: ProductVolumeBalanceDetail. 0..* To: VolumeValue <i>Association</i>	

5 CommonEnumerations

Package: xsd_schemas

Notes:

5.1 ChannelClassKind

Type: Enumeration *Stereotype:*

Detail: Created: 10/27/2016 Last modified: 10/27/2016

Notes:

Associations

Association	Notes
From: ChannelClassKind. To: TypeEnum <i>Generalization</i>	
From: ChannelClassKindExt. To: ChannelClassKind <i>Generalization</i>	

5.2 ChannelClassKindExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 10/27/2016 Last modified: 10/28/2016

Notes:

Associations

Association	Notes
From: ChannelClassKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ChannelClassKindExt. To: ChannelClassKind <i>Generalization</i>	
From: ChannelSetMetadata. To: ChannelClassKindExt <i>Dependency</i>	

5.3 ExistenceKind

Type: Enumeration *Stereotype:*

Detail: Created: 2/26/2016 Last modified: 10/26/2016

Notes: A list of lifecycle states like actual, required, planned, predicted, etc. These are used to qualify any top-level element (from Epicentre 2.1).

Attributes

Name	Type	Notes
actual		The object actually exists (from Epicentre 2.1).
planned		The object exists only in the planning stage (from Epicentre 2.1).
simulated		Created, artificially, as an artifact of processing, to replace or to stand for one or more similar objects. Often referred to as model (from Epicentre 2.1).

Associations

Association	Notes
From: ExistenceKind. To: TypeEnum <i>Generalization</i>	
From: AbstractObject. To: ExistenceKind <i>Dependency</i>	

5.4 GeochronologicalRank

Type: Enumeration *Stereotype:*

Detail: Created: 2/8/2016 Last modified: 10/26/2016

Notes: Qualifier for the geological time denoted by the GeochronologicalUnit: eon, era, epoch, etc.

Attributes

Name	Type	Notes
eon		
era		
period		
epoch		
age		
chron		

Associations

Association	Notes
From: GeochronologicalRank. To: TypeEnum <i>Generalization</i>	
From: GeochronologicalUnit. To: GeochronologicalRank <i>Dependency</i>	

5.5 LithologyKind

Type: Enumeration *Stereotype:*

Detail: Created: 11/3/2016 Last modified: 11/9/2016

Notes: A description of minerals or accessories that constitute a fractional part of a lithology description

Attributes

Name	Type	Notes
alkali feldspar rhyolite		
alkali olivine basalt		
amphibolite		
andesite		
anhydrite		
anorthositic rock		
anthracite		
aplite		
arenite		
argillaceous		
arkose		
basalt		
basanite		
bauxite		
bituminous coal		
blueschist metamorphic rock		
boninite		
breccia		
carbonate ooze		
carbonatite		
chalk		
chert		
clay		
claystone		
coal		
conglomerate		
dacite		
diabase		
diamictite		
diorite		

dioritoid		
doleritic rock		
dolomite		
dolomitic		
eclogite		
exotic alkaline rock		
feldspar		
feldspathic arenite		
fine grained igneous rock		
foid dioritoid		
foid gabbroid		
foid syenitoid		
foidite		
foiditoid		
foidolite		
foliated metamorphic rock		
fragmental igneous rock		
gabbro		
gabbroic rock		
gabbroid		
glauconite		
gneiss		
granite		
granodiorite		
granofels		
granulite		
gravel		
greenstone		
gumbo		
gypsum		
halite		
hornfels		
igneous rock		
impact generated material		
impure dolomite		
impure limestone		
intrusive rock (plutonic)		
iron rich sedimentary rock		
kalsilitic and melilitic rocks		

komatiitic rock		
latitic rock		
lignite		
lime boundstone		
lime framestone		
lime grainstone		
lime mudstone		
lime packstone		
lime wackestone		
limestone		
marble		
marl		
metamorphic rock		
mica schist		
migmatite		
monzogabbro		
mud		
mudstone		
mylonitic rock		
no description		
no sample		
ooze		
ophiolite		
organic bearing mudstone		
peat		
pegmatite		
peridotite		
phaneritic igneous rock		
phonolite		
phonolitoid		
phosphate		
phosphate rock		
phyllite		
porphyry		
potassium and magnesium salts		
pyroclastic breccia		
pyroclastic rock		
pyroxenite		
quartz arenite		

quartzite		
rhyolite		
rock salt		
sand		
sandstone		
sandy		
sapropel		
schist		
serpentinite		
shale		
siliceous ooze		
silt		
siltstone		
skarn		
slate		
spilite		
syenite		
syenitoid		
sylvite		
tephrite		
tephritoid		
tholeiitic basalt		
tonalite		
trachyte		
trachytic rock		
trachytoid		
travertine		
tuff		
tuffite		
ultrabasic		
undifferentiated		
unknown		
wacke		

Associations

Association	Notes
From: LithologyKind. To: TypeEnum <i>Generalization</i>	

Association	Notes
<p>From: LithologyKindExt. To: LithologyKind <i>Generalization</i></p>	

5.6 LithologyKindExt

Type: Class **Stereotype:** «XSUnion»
Detail: Created: 11/3/2016 Last modified: 11/9/2016
Notes:

Associations

Association	Notes
From: LithologyKindExt. To: LithologyKind <i>Generalization</i>	
From: LithologyKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: CuttingsIntervalLithology. To: LithologyKindExt <i>Dependency</i>	
From: InterpretedIntervalLithology. To: LithologyKindExt <i>Dependency</i>	

5.7 LithologyQualifierKind

Type: Enumeration *Stereotype:*

Detail: Created: 11/3/2016 Last modified: 11/9/2016

Notes:

Attributes

Name	Type	Notes
alkali feldspar rhyolite		
alkali olivine basalt		
amphibolite		
amphibolitic		
andesite		
andesitic		
anhydrite		
anhydritic		
ankerite		
ankeritic		
anorthositic rock		
anthracite		
anthracitic		
aplite		
aplitic		
arenite		
arenitic		
argillaceous		
arkose		
arkosic		
barite		
baritic		
basalt		
basaltic		
basanite		
basanitic		
bauxite		
bauxitic		
belemnites		
belemnitic		
bioturbated		

bioturbation		
bitumen		
bituminous		
bituminous coal		
blueschist metamorphic rock		
boninite		
breccia		
brecciated		
bryozoan		
bryozoans		
burrowed		
burrows		
calcareous		
calcite		
calcite concretion		
calcareous		
carbonaceous		
carbonate ooze		
carbonatite		
carbonatitic		
chalk		
chalky		
chamosite		
chamositic		
chert		
cherty		
chlorite		
chloritic		
clay		
claystone		
coal		
concretionary		
concretions		
conglomerate		
conglomeratic		
coral fragments		
coralline		
crinoidal		
crinoids		

dacite		
dacitic		
diabase		
diabasic		
diamictite		
diamictitic		
diatomaceous		
diatoms		
diorite		
dioritic		
dioritoid		
dioritoidic		
doleritic rock		
dolomite		
dolomite concretion		
dolomite stringer		
dolomitic		
eclogite		
eclogitic		
exotic alkaline rock		
feldspar		
feldsparic		
feldspathic		
feldspathic arenite		
ferruginous		
fine grained igneous rock		
foid dioritoid		
foid gabbroid		
foid syenitoid		
foidite		
foiditic		
foiditoid		
foidolite		
foidolitic		
foliated metamorphic rock		
foraminifera		
foraminiferous		
forams		
fossil fragments		

fossiliferous		
fossils undifferentiated		
fragmental igneous rock		
gabbro		
gabbroic		
gabbroic rock		
gabbroid		
gabbroidic		
gilsonite		
gilsonitic		
glauconite		
glauconitic		
gneiss		
gneissic		
granite		
granitic		
granodiorite		
granodioritic		
granofels		
granulite		
granulitic		
gravel		
gravelly		
greenstone		
gumbo		
gypsiferous		
gypsum		
halite		
halitic		
hornfels		
hornfelsic		
igneous		
igneous rock		
illite		
illitic		
impact generated material		
impure dolomite		
impure limestone		
intrusive rock (plutonic)		

iron rich sedimentary rock		
kalsilitic and melilitic rocks		
kaolinite		
kaolinitic		
komatiitic rock		
latitic rock		
lignite		
lignitic		
lime boundstone		
lime framestone		
lime grainstone		
lime mudstone		
lime packstone		
lime wackestone		
limestone		
limestone stringer		
lithic		
lithic fragments		
marble		
marcasite		
marcasitic		
marl		
marly		
metamorphic rock		
mica		
mica schist		
micaceous		
microfossiliferous		
microfossils		
migmatite		
migmatitic		
monzogabbro		
monzogabbroic		
mud		
muddy		
mudstone		
mylonitic rock		
no sample		
oncolite		

oncoliths		
oncolitic		
ooids		
ooliths		
oolitic		
ooze		
ophiolite		
ophiolitic		
organic bearing mudstone		
ostracodal		
ostracods		
peat		
peaty		
pebble		
pebbly		
pegmatite		
pegmatitic		
pelletal		
pellets		
peloidal		
peloids		
peridotite		
peridotitic		
phaneritic igneous rock		
phonolite		
phonolitic		
phonolitoid		
phosphate		
phosphate rock		
phosphatic		
phyllite		
phyllitic		
pisolite		
pisoliths		
pisolitic		
plant remains		
porphyritic		
porphyry		
potassium and magnesium salts		

pyrite		
pyritic		
pyroclastic breccia		
pyroclastic rock		
pyroxenite		
pyroxenitic		
quartiferous		
quartz		
quartz arenite		
quartzite		
quartzitic		
radiolaria		
radiolarian		
rhyolite		
rhyolitic		
rock salt		
rootlets		
salty		
sand		
sandstone		
sandy		
sapropel		
sapropelic		
schist		
schistose		
septentinitic		
serpentinite		
shale		
shaly		
shell fragments		
shelly		
siderite		
siderite concretion		
sideritic		
siliceous ooze		
silt		
siltstone		
silty		
skarn		

skarny		
slate		
slaty		
smectite		
smectitic		
spicular		
spicules		
spilite		
spilitic		
stylolites		
stylolitic		
syenite		
syenitic		
syenitoid		
sylvite		
sylvitic		
tarry		
tephrite		
tephritic		
tephritoid		
tholeiitic basalt		
tonalite		
tonalitic		
trachyte		
trachytic		
trachytic rock		
trachytoid		
travertine		
tuff		
tuffaceous		
tuffite		
tuffitic		
ultrabasic		
undifferentiated		
unknown		
wacke		

Associations

Association	Notes
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Association	Notes
From: LithologyQualifierKind. To: TypeEnum <i>Generalization</i>	
From: LithologyQualifierKindExt. To: LithologyQualifierKind <i>Generalization</i>	

5.8 LithologyQualifierKindExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 11/9/2016 Last modified: 11/9/2016

Notes:

Associations

Association	Notes
From: LithologyQualifierKindExt. To: LithologyQualifierKind <i>Generalization</i>	
From: LithologyQualifierKindExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LithologyQualifier. To: LithologyQualifierKindExt <i>Dependency</i>	

5.9 LithostratigraphicRank

Type: Enumeration **Stereotype:** «Enumeration»

Detail: Created: 2/8/2016 Last modified: 10/28/2016

Notes: Specifies the unit of lithostratigraphy.

Attributes

Name	Type	Notes
group		<p>A succession of two or more contiguous or associated formations with significant and diagnostic lithologic properties in common. Formations need not be aggregated into groups unless doing so provides a useful means of simplifying stratigraphic classification in certain regions or certain intervals. Thickness of a stratigraphic succession is not a valid reason for defining a unit as a group rather than a formation. The component formations of a group need not be everywhere the same.</p>
formation		<p>The primary formal unit of lithostratigraphic classification. Formations are the only formal lithostratigraphic units into which the stratigraphic column everywhere should be divided completely on the basis of lithology. The contrast in lithology between formations required to justify their establishment varies with the complexity of the geology of a region and the detail needed for geologic mapping and to work out its geologic history. No formation is considered justifiable and useful that cannot be delineated at the scale of geologic mapping practiced in the region. The thickness of formations may range from less than a meter to several thousand meters.</p>
member		<p>The formal lithostratigraphic unit next in rank below a formation. It possesses lithologic properties distinguishing it from adjacent parts of the formation. No fixed standard is required for the extent and thickness of a member. A formation need not be divided into members unless a useful purpose is thus served. Some formations may be completely divided into members; others may have only certain parts designated as members. A member may extend from one formation to another.</p>

bed	The smallest formal unit in the hierarchy of sedimentary lithostratigraphic units, e.g. a single stratum lithologically distinguishable from other layers above and below. Customarily only distinctive beds (key beds, marker beds) particularly useful for stratigraphic purposes are given proper names and considered formal lithostratigraphic units.
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Associations

Association	Notes
From: LithostratigraphicRank. To: TypeEnum <i>Generalization</i>	
From: LithostratigraphicUnit. To: LithostratigraphicRank <i>Dependency</i>	

5.10 MatrixCementKind

Type: Enumeration **Stereotype:** «Enumeration»

Detail: Created: 2/8/2016 Last modified: 10/28/2016

Notes: Lithology matrix/cement description. The list of standard values is contained in the WITSML enumValues.xml file.

Attributes

Name	Type	Notes
ankerite		
calcite		
chlorite		
dolomite		
illite		
kaolinite		
quartz		
siderite		
smectite		

Associations

Association	Notes
From: MatrixCementKind. To: TypeEnum <i>Generalization</i>	
From: CuttingsIntervalLithology. To: MatrixCementKind <i>Dependency</i>	

5.11 MeasureClass

Type: Enumeration **Stereotype:** «Enumeration»

Detail: Created: 4/13/2015 Last modified: 11/11/2016

Notes: Measure class values. The list of standard values is contained in the WITSML enumValues.xml file.

Attributes

Name	Type	Notes
absorbed dose		
activity of radioactivity		
amount of substance		
amount of substance per amount of substance		
amount of substance per area		
amount of substance per time		
amount of substance per time per area		
amount of substance per volume		
angle per length		
angle per volume		
angular acceleration		
angular velocity		
api gamma ray		
api gravity		
api neutron		
area		
area per amount of substance		
area per area		
area per count		
area per mass		
area per time		
area per volume		
attenuation per frequency interval		
capacitance		
cation exchange capacity		
data transfer speed		
diffusion coefficient		
diffusive time of flight		

digital storage		
dimensionless		
dipole moment		
dose equivalent		
dynamic viscosity		
electric charge		
electric charge per area		
electric charge per mass		
electric charge per volume		
electric conductance		
electric conductivity		
electric current		
electric current density		
electric field strength		
electric potential difference		
electric resistance		
electric resistance per length		
electrical resistivity		
electromagnetic moment		
energy		
energy length per area		
energy length per time area		
temperature		
energy per area		
energy per length		
energy per mass		
energy per mass per time		
energy per volume		
force		
force area		
force length per length		
force per force		
force per length		
force per volume		
frequency		
frequency interval		
heat capacity		
heat flow rate		
heat transfer coefficient		
illuminance		

inductance		
isothermal compressibility		
kinematic viscosity		
length		
length per length		
length per mass		
length per pressure		
length per temperature		
length per time		
length per volume		
light exposure		
linear acceleration		
linear thermal expansion		
logarithmic power ratio		
logarithmic power ratio per length		
luminance		
luminous efficacy		
luminous flux		
luminous intensity		
magnetic dipole moment		
magnetic field strength		
magnetic flux		
magnetic flux density		
magnetic flux density per length		
magnetic permeability		
magnetic vector potential		
mass		
mass length		
mass per area		
mass per energy		
mass per length		
mass per mass		
mass per time		
mass per time per area		
mass per time per length		
mass per volume		
mass per volume per length		
mass per volume per pressure		
mass per volume per		

temperature		
mobility		
molar energy		
molar heat capacity		
molar volume		
molecular weight		
moment of force		
moment of inertia		
momentum		
normalized power		
permeability length		
permeability rock		
permittivity		
plane angle		
potential difference per power drop		
power		
power per area		
power per power		
power per volume		
pressure		
pressure per pressure		
pressure per time		
pressure per volume		
pressure squared		
pressure squared per force time per area		
pressure time per volume		
quantity of light		
radiance		
radiant intensity		
reciprocal area		
reciprocal electric potential difference		
reciprocal force		
reciprocal length		
reciprocal mass		
reciprocal mass time		
reciprocal pressure		
reciprocal time		
reciprocal volume		

reluctance		
second moment of area		
signaling event per time		
solid angle		
specific heat capacity		
temperature interval		
temperature interval per length		
temperature interval per pressure		
temperature interval per time		
thermal conductance		
thermal conductivity		
thermal diffusivity		
thermal insulance		
thermal resistance		
thermodynamic temperature		
thermodynamic temperature per thermodynamic temperature		
time		
time per length		
time per mass		
time per time		
time per volume		
vertical coordinate		
volume		
volume flow rate per volume flow rate		
volume per area		
volume per length		
volume per mass		
volume per pressure		
volume per rotation		
volume per time		
volume per time length		
volume per time per area		
volume per time per length		
volume per time per pressure		
volume per time per pressure length		
volume per time per time		
volume per time per volume		

volume per volume		
volumetric heat transfer coefficient		
volumetric thermal expansion		

Associations

Association	Notes
From: MeasureClass. To: TypeEnum <i>Generalization</i>	

5.12 QuantityClassKind

Type: Enumeration *Stereotype:*

Detail: Created: 6/24/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
absorbed dose		
activity of radioactivity		
amount of substance		
amount of substance per amount of substance		
amount of substance per area		
amount of substance per time		
amount of substance per time per area		
amount of substance per volume		
angle per length		
angle per volume		
angular acceleration		
angular velocity		
api gamma ray		
api gravity		
api neutron		
area		
area per amount of substance		
area per area		
area per count		
area per mass		
area per time		
area per volume		
attenuation per frequency interval		
capacitance		
cation exchange capacity		
data transfer speed		
diffusion coefficient		
diffusive time of flight		
digital storage		

dimensionless		
dipole moment		
dose equivalent		
dynamic viscosity		
electric charge		
electric charge per area		
electric charge per mass		
electric charge per volume		
electric conductance		
electric conductivity		
electric current		
electric current density		
electric field strength		
electric potential difference		
electric resistance		
electric resistance per length		
electrical resistivity		
electromagnetic moment		
energy		
energy length per area		
energy length per time area		
temperature		
energy per area		
energy per length		
energy per mass		
energy per mass per time		
energy per volume		
force		
force area		
force length per length		
force per force		
force per length		
force per volume		
frequency		
frequency interval		
heat capacity		
heat flow rate		
heat transfer coefficient		
illuminance		
inductance		

isothermal compressibility		
kinematic viscosity		
length		
length per length		
length per mass		
length per pressure		
length per temperature		
length per time		
length per volume		
light exposure		
linear acceleration		
linear thermal expansion		
logarithmic power ratio		
logarithmic power ratio per length		
luminance		
luminous efficacy		
luminous flux		
luminous intensity		
magnetic dipole moment		
magnetic field strength		
magnetic flux		
magnetic flux density		
magnetic flux density per length		
magnetic permeability		
magnetic vector potential		
mass		
mass length		
mass per area		
mass per energy		
mass per length		
mass per mass		
mass per time		
mass per time per area		
mass per time per length		
mass per volume		
mass per volume per length		
mass per volume per pressure		
mass per volume per temperature		

mobility		
molar energy		
molar heat capacity		
molar volume		
molecular weight		
moment of force		
moment of inertia		
momentum		
normalized power		
permeability length		
permeability rock		
permittivity		
plane angle		
potential difference per power drop		
power		
power per area		
power per power		
power per volume		
pressure		
pressure per pressure		
pressure per time		
pressure per volume		
pressure squared		
pressure squared per force time per area		
pressure time per volume		
quantity of light		
radiance		
radiant intensity		
reciprocal area		
reciprocal electric potential difference		
reciprocal force		
reciprocal length		
reciprocal mass		
reciprocal mass time		
reciprocal pressure		
reciprocal time		
reciprocal volume		
reluctance		

second moment of area		
signaling event per time		
solid angle		
specific heat capacity		
temperature interval		
temperature interval per length		
temperature interval per pressure		
temperature interval per time		
thermal conductance		
thermal conductivity		
thermal diffusivity		
thermal insulance		
thermal resistance		
thermodynamic temperature		
thermodynamic temperature per thermodynamic temperature		
time		
time per length		
time per mass		
time per time		
time per volume		
vertical coordinate		
volume		
volume flow rate per volume flow rate		
volume per area		
volume per length		
volume per mass		
volume per pressure		
volume per rotation		
volume per time		
volume per time length		
volume per time per area		
volume per time per length		
volume per time per pressure		
volume per time per pressure length		
volume per time per time		
volume per time per volume		
volume per volume		

volumetric heat transfer coefficient		
volumetric thermal expansion		

Associations

Association	Notes
From: QuantityClassKind. To: TypeEnum <i>Generalization</i>	

5.13 ReferenceCondition

Type: Enumeration *Stereotype:*

Detail: Created: 6/13/2014 Last modified: 11/11/2016

Notes: Combinations of standard temperature and pressure including "ambient". The list of standard values is contained in the enumValuesProdml.xml file.

Attributes

Name	Type	Notes
0 degC 1 atm		0 degC and 1 standard atmosphere
0 degC 1 bar		
15 degC 1 atm		15 degC and 1 standard atmosphere
15 degC 1 bar		
20 degC 1 atm		
20 degC 1 bar		
25 degC 1 bar		
60 degF 1 atm		60 degF and 1 standard atmosphere
60 degF 30 in Hg		
ambient		

Associations

Association	Notes
From: ReferenceCondition. To: TypeEnum <i>Generalization</i>	
From: ReferenceConditionExt. To: ReferenceCondition <i>Generalization</i>	

5.14 ReferenceConditionExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 11/8/2016 Last modified: 11/11/2016

Notes:

Associations

Association	Notes
From: ReferenceConditionExt. To: ReferenceCondition <i>Generalization</i>	
From: ReferenceConditionExt. To: EnumExtensionPattern <i>Generalization</i>	

5.15 UnitOfMeasure

Type: Enumeration *Stereotype:*

Detail: Created: 5/15/2014 Last modified: 10/26/2016

Notes: This is a list of the valid units of measure across all the measure classes. Its intended use is to ensure that a valid unit of measure string is used in cases where the measure class is not known in advance or is otherwise not explicitly modeled in the XML schema.

Attributes

Name	Type	Notes
%		
%[area]		
%[mass]		
%[molar]		
%[vol]		
(bbl/d)/(bbl/d)		
(m3/d)/(m3/d)		
(m3/s)/(m3/s)		
0.001 bbl/ft3		
0.001 bbl/m3		
0.001 d/ft3		
0.001 gal[UK]/bbl		
0.001 gal[UK]/gal[UK]		
0.001 gal[US]/bbl		
0.001 gal[US]/ft3		
0.001 gal[US]/gal[US]		
0.001 h/ft		
0.001 kPa2/cP		
0.001 lbm/bbl		
0.001 lbm/gal[UK]		
0.001 lbm/gal[US]		
0.001 psi/ft		
0.001 pt[UK]/bbl		
0.001 seca		
0.01 bbl/bbl		
0.01 dega/ft		
0.01 degF/ft		
0.01 dm3/km		
0.01 ft/ft		

0.01 grain/ft3		
0.01 L/kg		
0.01 L/km		
0.01 lbf/ft		
0.01 lbf/ft2		
0.01 lbm/ft2		
0.01 psi/ft		
0.1 ft		
0.1 ft[US]		
0.1 gal[US]/bbl		
0.1 in		
0.1 L/bbl		
0.1 lbm/bbl		
0.1 pt[US]/bbl		
0.1 yd		
1/(kg.s)		
1/16 in		
1/2 ft		
1/2 ms		
1/30 cm3/min		
1/30 dega/ft		
1/30 dega/m		
1/30 lbf/m		
1/30 m/m		
1/30 N/m		
1/32 in		
1/64 in		
1/a		
1/angstrom		
1/bar		
1/bbl		
1/cm		
1/d		
1/degC		
1/degF		
1/degR		
1/ft		
1/ft2		
1/ft3		

1/g		
1/gal[UK]		
1/gal[US]		
1/H		
1/h		
1/in		
1/K		
1/kg		
1/km2		
1/kPa		
1/L		
1/lbf		
1/lbm		
1/m		
1/m2		
1/m3		
1/mi		
1/mi2		
1/min		
1/mm		
1/ms		
1/N		
1/nm		
1/Pa		
1/pPa		
1/psi		
1/s		
1/upsi		
1/us		
1/uV		
1/V		
1/wk		
1/yd		
10 ft		
10 in		
10 km		
10 kN		
10 Mg/m3		
100 ft		

100 ka[t]		
100 km		
1000 bbl		
1000 bbl.ft/d		
1000 bbl/d		
1000 ft		
1000 ft/h		
1000 ft/s		
1000 ft ³		
1000 ft ³ /(d.ft)		
1000 ft ³ /(psi.d)		
1000 ft ³ /bbl		
1000 ft ³ /d		
1000 gal[UK]		
1000 gal[US]		
1000 lbf.ft		
1000 m ³		
1000 m ³ /(d.m)		
1000 m ³ /(h.m)		
1000 m ³ /d		
1000 m ³ /h		
1000 m ³ /m ³		
1000 m ⁴ /d		
1E12 ft ³		
1E6 (ft ³ /d)/(bbl/d)		
1E-6 acre.ft/bbl		
1E6 bbl		
1E6 bbl/(acre.ft)		
1E6 bbl/acre		
1E6 bbl/d		
1E-6 bbl/ft ³		
1E-6 bbl/m ³		
1E6 Btu[IT]		
1E6 Btu[IT]/h		
1E6 ft ³		
1E6 ft ³ /(acre.ft)		
1E6 ft ³ /bbl		
1E6 ft ³ /d		
1E-6 gal[US]		

1E6 lbm/a		
1E6 m3		
1E-6 m3/(m3.degC)		
1E-6 m3/(m3.degF)		
1E6 m3/d		
1E-9 1/ft		
1E9 bbl		
1E9 ft3		
30 ft		
30 m		
a		
A		
A.h		
A.m2		
A.s		
A.s/kg		
A.s/m3		
A/cm2		
A/ft2		
A/m		
A/m2		
A/mm		
A/mm2		
a[t]		
acre		
acre.ft		
ag		
aJ		
angstrom		
at		
atm		
atm/ft		
atm/h		
atm/hm		
atm/m		
B		
b		
B.W		
b/cm3		

B/m		
B/O		
bar		
bar/h		
bar/km		
bar/m		
bar2		
bar2/cP		
bbl		
bbl/(acre.ft)		
bbl/(d.acre.ft)		
bbl/(d.ft)		
bbl/(ft.psi.d)		
bbl/(kPa.d)		
bbl/(psi.d)		
bbl/acre		
bbl/bbl		
bbl/d		
bbl/d2		
bbl/ft		
bbl/ft3		
bbl/h		
bbl/h2		
bbl/in		
bbl/m3		
bbl/mi		
bbl/min		
bbl/psi		
bbl/ton[UK]		
bbl/ton[US]		
Bd		
bit		
bit/s		
Bq		
Bq/kg		
Btu[IT]		
Btu[IT].in/(h.ft2.degF)		
Btu[IT]/(h.ft.degF)		
Btu[IT]/(h.ft2)		

Btu[IT]/(h.ft2.degF)		
Btu[IT]/(h.ft2.degR)		
Btu[IT]/(h.ft3)		
Btu[IT]/(h.ft3.degF)		
Btu[IT]/(h.m2.degC)		
Btu[IT]/(hp.h)		
Btu[IT]/(lbm.degF)		
Btu[IT]/(lbm.degR)		
Btu[IT]/(lbmol.degF)		
Btu[IT]/(s.ft2)		
Btu[IT]/(s.ft2.degF)		
Btu[IT]/(s.ft3)		
Btu[IT]/(s.ft3.degF)		
Btu[IT]/bbl		
Btu[IT]/ft3		
Btu[IT]/gal[UK]		
Btu[IT]/gal[US]		
Btu[IT]/h		
Btu[IT]/lbm		
Btu[IT]/lbmol		
Btu[IT]/min		
Btu[IT]/s		
Btu[th]		
Btu[UK]		
byte		
byte/s		
C		
C.m		
C/cm2		
C/cm3		
C/g		
C/kg		
C/m2		
C/m3		
C/mm2		
C/mm3		
cA		
ca		
cal[IT]		

cal[th]		
cal[th]/(g.K)		
cal[th]/(h.cm.degC)		
cal[th]/(h.cm2)		
cal[th]/(h.cm2.degC)		
cal[th]/(h.cm3)		
cal[th]/(mol.degC)		
cal[th]/(s.cm.degC)		
cal[th]/(s.cm2.degC)		
cal[th]/(s.cm3)		
cal[th]/cm3		
cal[th]/g		
cal[th]/h		
cal[th]/kg		
cal[th]/lbm		
cal[th]/mL		
cal[th]/mm3		
cC		
ccal[th]		
ccgr		
cd		
cd/m2		
cEuc		
ceV		
cF		
cg		
cgauss		
cgr		
cGy		
cH		
chain		
chain[BnA]		
chain[BnB]		
chain[Cla]		
chain[Ind37]		
chain[Se]		
chain[SeT]		
chain[US]		
cHz		

Ci		
cJ		
cm		
cm/a		
cm/s		
cm/s ²		
cm ²		
cm ² /g		
cm ² /s		
cm ³		
cm ³ /cm ³		
cm ³ /g		
cm ³ /h		
cm ³ /L		
cm ³ /m ³		
cm ³ /min		
cm ³ /s		
cm ⁴		
cmH ₂ O[4degC]		
cN		
cohmm		
cP		
cPa		
crd		
cs		
cS		
cSt		
cT		
ct		
cu		
cV		
cW		
cWb		
cwt[UK]		
cwt[US]		
D		
d		
D.ft		
D.m		

D/(Pa.s)		
d/bbl		
D/cP		
d/ft ³		
d/m ³		
D[API]		
dA		
dam		
daN		
daN.m		
dAPI		
dB		
dB.MW		
dB.mW		
dB.W		
dB/ft		
dB/km		
dB/m		
dB/O		
dC		
dcal[th]		
dega		
dega/ft		
dega/h		
dega/m		
dega/min		
dega/s		
degC		
degC.m ² .h/kcal[th]		
degC/ft		
degC/h		
degC hm		
degC/km		
degC/kPa		
degC/m		
degC/min		
degC/s		
degF		
degF.ft ² .h/Btu[IT]		

degF/ft		
degF/h		
degF/m		
degF/min		
degF/psi		
degF/s		
degR		
dEuc		
dEV		
dF		
dgauss		
dGy		
dH		
dHz		
dJ		
dm		
dm/s		
dm3		
dm3/(kW.h)		
dm3/kg		
dm3/kmol		
dm3/m		
dm3/m3		
dm3/MJ		
dm3/s		
dm3/s2		
dm3/t		
dN		
dN.m		
dohm		
dP		
dPa		
drd		
ds		
dS		
dT		
dV		
dW		
dWb		

dyne		
dyne.cm ²		
dyne.s/cm ²		
dyne/cm		
dyne/cm ²		
EA		
Ea[t]		
EC		
Ecal[th]		
EEuc		
EeV		
EF		
Eg		
Egauss		
EGy		
EH		
EHz		
EJ		
EJ/a		
Em		
EN		
Eohm		
EP		
EPa		
Erd		
erg		
erg/a		
erg/cm ²		
erg/cm ³		
erg/g		
erg/kg		
erg/m ³		
ES		
ET		
Euc		
eV		
EW		
EWb		
F		

F/m		
fA		
fa		
fathom		
fC		
fcal[th]		
fEuc		
feV		
fF		
fg		
fgauss		
fGy		
fH		
fHz		
fJ		
floz[UK]		
floz[US]		
fm		
fN		
fohm		
footcandle		
footcandle.s		
fP		
fPa		
frd		
fS		
ft		
fT		
ft/bbl		
ft/d		
ft/degF		
ft/ft		
ft/ft3		
ft/gal[US]		
ft/h		
ft/in		
ft/lbm		
ft/m		
ft/mi		

ft/min		
ft/ms		
ft/psi		
ft/s		
ft/s ²		
ft/us		
ft[BnA]		
ft[BnB]		
ft[Br36]		
ft[Br65]		
ft[Cla]		
ft[GC]		
ft[Ind]		
ft[Ind37]		
ft[Ind62]		
ft[Ind75]		
ft[Se]		
ft[SeT]		
ft[US]		
ft ²		
ft ² /h		
ft ² /in ³		
ft ² /lbm		
ft ² /s		
ft ³		
ft ³ /(d.ft)		
ft ³ /(ft.psi.d)		
ft ³ /(min.ft ²)		
ft ³ /(s.ft ²)		
ft ³ /bbl		
ft ³ /d		
ft ³ /d ²		
ft ³ /ft		
ft ³ /ft ²		
ft ³ /ft ³		
ft ³ /h		
ft ³ /h ²		
ft ³ /kg		
ft ³ /lbm		

ft3/lbmol		
ft3/min		
ft3/min2		
ft3/rad		
ft3/s		
ft3/s2		
ft3/sack[94lbm]		
fur[US]		
fV		
fW		
fWb		
g		
g.ft/(cm3.s)		
g.m/(cm3.s)		
g/cm3		
g/cm4		
g/dm3		
g/gal[UK]		
g/gal[US]		
g/kg		
g/L		
g/m3		
g/mol		
g/s		
g/t		
GA		
Ga[t]		
Gal		
gal[UK]		
gal[UK]/(h.ft)		
gal[UK]/(h.ft2)		
gal[UK]/(h.in)		
gal[UK]/(h.in2)		
gal[UK]/(min.ft)		
gal[UK]/(min.ft2)		
gal[UK]/d		
gal[UK]/ft3		
gal[UK]/h		
gal[UK]/h2		

gal[UK]/lbm		
gal[UK]/mi		
gal[UK]/min		
gal[UK]/min2		
gal[US]		
gal[US]/(h.ft)		
gal[US]/(h.ft2)		
gal[US]/(h.in)		
gal[US]/(h.in2)		
gal[US]/(min.ft)		
gal[US]/(min.ft2)		
gal[US]/bbl		
gal[US]/d		
gal[US]/ft		
gal[US]/ft3		
gal[US]/h		
gal[US]/h2		
gal[US]/lbm		
gal[US]/mi		
gal[US]/min		
gal[US]/min2		
gal[US]/sack[94lbm]		
gal[US]/ton[UK]		
gal[US]/ton[US]		
gAPI		
gauss		
gauss/cm		
GBq		
GC		
Gcal[th]		
GEuc		
GeV		
gf		
GF		
Gg		
Gauss		
GGy		
GH		
GHz		

GJ		
Gm		
gn		
GN		
Gohm		
gon		
GP		
GPa		
GPa/cm		
GPa2		
grain		
grain/ft3		
grain/gal[US]		
Grd		
GS		
GT		
GV		
GW		
GW.h		
GWb		
Gy		
H		
h		
h/ft3		
h/km		
H/m		
h/m3		
ha		
ha.m		
hbar		
hg		
hL		
hm		
hN		
hp		
hp.h		
hp.h/bbl		
hp.h/lbm		
hp/ft3		

hp/in2		
hp[elec]		
hp[hyd]		
hp[hyd]/in2		
hp[metric]		
hp[metric].h		
hs		
Hz		
in		
in/(in.degF)		
in/a		
in/min		
in/s		
in/s2		
in[US]		
in2		
in2/ft2		
in2/in2		
in2/s		
in3		
in3/ft		
in4		
inH2O[39degF]		
inH2O[60degF]		
inHg[32degF]		
inHg[60degF]		
J		
J.(s.m2.K)		
J.m/m2		
J/(g.K)		
J/(kg.K)		
J/(mol.K)		
J/(s.m2.degC)		
J/cm2		
J/dm3		
J/g		
J/K		
J/kg		
J/m		

J/m2		
J/m3		
J/mol		
J/s		
K		
K.m2/kW		
K.m2/W		
K/km		
K/m		
K/Pa		
K/s		
K/W		
kA		
ka[t]		
kC		
kcal[th]		
kcal[th].m/cm2		
kcal[th]/(h.m.degC)		
kcal[th]/(h.m2.degC)		
kcal[th]/(kg.degC)		
kcal[th]/cm3		
kcal[th]/g		
kcal[th]/h		
kcal[th]/kg		
kcal[th]/m3		
kcal[th]/mol		
kcd		
kdyne		
kEuc		
keV		
kF		
kg		
kg.m		
kg.m/cm2		
kg.m/s		
kg.m2		
kg/(kW.h)		
kg/(m.s)		
kg/(m2.s)		

kg/d		
kg/dm ³		
kg/dm ⁴		
kg/h		
kg/J		
kg/kg		
kg/L		
kg/m		
kg/m ²		
kg/m ³		
kg/m ⁴		
kg/min		
kg/MJ		
kg/mol		
kg/s		
kg/sack[94lbm]		
kg/t		
kgauss		
kgf		
kgf.m		
kgf.m/cm ²		
kgf.m/m		
kgf.m ²		
kgf.s/m ²		
kgf/cm		
kgf/cm ²		
kgf/kgf		
kgf/m ²		
kgf/mm ²		
kGy		
kH		
kHz		
Kibyte		
kJ		
kJ.(h.m ² .K)		
kJ/(h.m ² .K)		
kJ/(kg.K)		
kJ/(kmol.K)		
kJ/dm ³		

kJ/kg		
kJ/kmol		
kJ/m3		
klbf		
klbm		
klbm/in		
klx		
km		
km/cm		
km/dm3		
km/h		
km/L		
km/s		
km2		
km3		
kmol		
kmol/h		
kmol/m3		
kmol/s		
kN		
kN.m		
kN.m2		
kN/m		
kN/m2		
knot		
kohm		
kohm.m		
kP		
kPa		
kPa.s/m		
kPa/h		
kPa/hm		
kPa/m		
kPa/min		
kPa2		
kPa2/cP		
kpsi		
kpsi2		
krad		

krd		
kS		
kS/m		
kT		
kV		
kW		
kW.h		
kW.h/(kg.degC)		
kW.h/dm3		
kW.h/kg		
kW.h/m3		
kW/(m2.K)		
kW/(m3.K)		
kW/cm2		
kW/m2		
kW/m3		
kWb		
L		
L/(bar.min)		
L/h		
L/kg		
L/kmol		
L/m		
L/m3		
L/min		
L/mol		
L/s		
L/s2		
L/t		
L/ton[UK]		
lbf		
lbf.ft		
lbf.ft/bbl		
lbf.ft/gal[US]		
lbf.ft/in		
lbf.ft/in2		
lbf.ft/lbm		
lbf.ft/min		
lbf.ft/s		

lbf.in		
lbf.in/in		
lbf.in2		
lbf.s/ft2		
lbf.s/in2		
lbf/ft		
lbf/ft2		
lbf/ft3		
lbf/gal[US]		
lbf/in		
lbf/lbf		
lbm		
lbm.ft		
lbm.ft/s		
lbm.ft2		
lbm.ft2/s2		
lbm/(ft.h)		
lbm/(ft.s)		
lbm/(ft2.h)		
lbm/(ft2.s)		
lbm/(gal[UK].ft)		
lbm/(gal[US].ft)		
lbm/(hp.h)		
lbm/bbl		
lbm/d		
lbm/ft		
lbm/ft2		
lbm/ft3		
lbm/ft4		
lbm/gal[UK]		
lbm/gal[US]		
lbm/h		
lbm/in3		
lbm/lbmol		
lbm/min		
lbm/s		
lbmol		
lbmol/(h.ft2)		
lbmol/(s.ft2)		

lbmol/ft3		
lbmol/gal[UK]		
lbmol/gal[US]		
lbmol/h		
lbmol/s		
link		
link[BnA]		
link[BnB]		
link[Cla]		
link[Se]		
link[SeT]		
link[US]		
lm		
lm.s		
lm/m2		
lm/W		
lx		
lx.s		
m		
m/(m.K)		
m/cm		
m/d		
m/h		
m/K		
m/kg		
m/km		
m/kPa		
m/m		
m/m3		
m/min		
m/ms		
m/Pa		
m/s		
m/s2		
m[Ger]		
m2		
m2/(kPa.d)		
m2/(Pa.s)		
m2/cm3		

m2/d		
m2/g		
m2/h		
m2/kg		
m2/m2		
m2/m3		
m2/mol		
m2/s		
m3		
m3/(bar.d)		
m3/(bar.h)		
m3/(bar.min)		
m3/(d.m)		
m3/(h.m)		
m3/(ha.m)		
m3/(kPa.d)		
m3/(kPa.h)		
m3/(kW.h)		
m3/(m3.K)		
m3/(Pa.s)		
m3/(psi.d)		
m3/(s.ft)		
m3/(s.m)		
m3/(s.m2)		
m3/(s.m3)		
m3/bbl		
m3/d		
m3/d2		
m3/g		
m3/h		
m3/J		
m3/kg		
m3/km		
m3/kmol		
m3/kPa		
m3/m		
m3/m2		
m3/m3		
m3/min		

m3/mol		
m3/Pa		
m3/rad		
m3/rev		
m3/s		
m3/s2		
m3/t		
m3/ton[UK]		
m3/ton[US]		
m4		
m4/s		
MA		
mA		
mA/cm2		
mA/ft2		
Ma[t]		
mbar		
MBq		
uC		
MC		
uC/m2		
Mcal[th]		
mcal[th]		
uCi		
mD		
mD.ft		
mD.ft2/(lbf.s)		
mD.in2/(lbf.s)		
mD.m		
mD/(Pa.s)		
mD/cP		
mEuc		
MEuc		
meV		
MeV		
MF		
mF		
Mg		
mg		

Mg/a		
Mg/d		
mg/dm ³		
mg/g		
mg/gal[US]		
Mg/h		
Mg/in		
mg/J		
mg/kg		
mg/L		
Mg/m ²		
Mg/m ³		
mg/m ³		
Mg/min		
mGal		
Mgauss		
mgauss		
Mgf		
mgn		
MGy		
mGy		
MH		
mH		
kHz		
MHz		
mi		
mi/gal[UK]		
mi/gal[US]		
mi/h		
mi/in		
mi[naut]		
mi[nautUK]		
mi[US]		
mi[US]2		
mi ²		
mi ³		
Mibyte		
mil		
mil/a		

mila		
min		
min/ft		
min/m		
mina		
MJ		
mJ		
MJ/a		
mJ/cm ²		
MJ/kg		
MJ/kmol		
MJ/m		
mJ/m ²		
MJ/m ³		
mL		
mL/gal[UK]		
mL/gal[US]		
mL/mL		
mm		
Mm		
mm/(mm.K)		
mm/a		
mm/s		
mm ²		
mm ² /mm ²		
mm ² /s		
mm ³		
mm ³ /J		
mmHg[0degC]		
mmol		
MN		
mN		
mN.m ²		
mN/km		
mN/m		
mohm		
Mohm		
mol		
mol.m ² /(mol.s)		

mol/(s.m ²)		
mol/m ²		
mol/m ³		
mol/mol		
mol/s		
mP		
MP		
mPa		
MPa		
mPa.s		
MPa.s/m		
MPa/h		
MPa/m		
Mpsi		
mrad		
Mrad		
mrd		
Mrd		
mrem		
mrem/h		
mS		
ms		
MS		
ms/cm		
ms/cm		
ms/ft		
ms/in		
ms/m		
mS/m		
ms/s		
mSv		
mSv/h		
mT		
mT/dm		
MV		
mV		
mV/ft		
mV/m		
mW		

MW		
MW.h		
MW.h/kg		
MW.h/m3		
mW/m2		
mWb		
MWb		
N		
N.m		
N.m/m		
N.m2		
N.s/m2		
N/m		
N/m2		
N/m3		
N/mm2		
N/N		
nA		
na		
nAPI		
nC		
ncal[th]		
nCi		
nEuc		
neV		
nF		
ng		
ng/g		
ng/mg		
ngauss		
nGy		
nH		
nHz		
nJ		
nm		
nm/s		
nN		
nohm		
nohm.mil2/ft		

nohm.mm ² /m		
nP		
nPa		
nrd		
nS		
ns		
ns/ft		
ns/m		
nT		
nV		
nW		
nWb		
O		
Oe		
ohm		
ohm.cm		
ohm.m		
ohm.m ² /m		
ohm/m		
ozf		
ozm		
ozm[troy]		
P		
Pa		
pA		
Pa.s		
Pa.s.m ³ /kg		
Pa.s/m ³		
Pa.s ² /m ³		
Pa/h		
Pa/m		
Pa/m ³		
Pa/s		
Pa ²		
Pa ² /(Pa.s)		
pC		
pcal[th]		
pCi		
pCi/g		

pdl		
pdl.cm2		
pdl.ft		
pdl/cm		
pEuc		
peV		
pF		
pg		
pgauss		
pGy		
pHz		
pJ		
pm		
pN		
pohm		
pP		
pPa		
ppk		
ppm		
ppm[mass]		
ppm[vol]		
ppm[vol]/degC		
ppm[vol]/degF		
prd		
pS		
ps		
psi		
psi.d/bbl		
psi.s		
psi/ft		
psi/h		
psi/m		
psi/min		
psi2		
psi2.d/(cP.ft3)		
psi2/cP		
pT		
pt[UK]		
pt[UK]/(hp.h)		

pt[US]		
pV		
pW		
pWb		
qt[UK]		
qt[US]		
quad		
quad/a		
rad		
rad/ft		
rad/ft3		
rad/m		
rad/m3		
rad/s		
rad/s2		
rd		
rem		
rem/h		
rev		
rev/ft		
rev/m		
rev/s		
rod[US]		
rpm		
rpm/s		
S		
s		
s/cm		
s/ft		
s/ft3		
s/in		
s/kg		
s/L		
s/m		
S/m		
s/m3		
s/qt[UK]		
s/qt[US]		
s/s		

sack[94lbm]		
seca		
section		
sr		
St		
Sv		
Sv/h		
Sv/s		
t		
T		
t/a		
t/d		
t/h		
T/m		
t/m ³		
t/min		
TA		
Ta[t]		
TBq		
TC		
Tcal[th]		
TD[API]		
TD[API].m		
TD[API]/(Pa.s)		
TEuc		
TeV		
TF		
Tg		
Tgauss		
TGy		
TH		
therm[EC]		
therm[UK]		
therm[US]		
THz		
TJ		
TJ/a		
Tm		
TN		

Tohm		
ton[UK]		
ton[UK]/a		
ton[UK]/d		
ton[UK]/h		
ton[UK]/min		
ton[US]		
ton[US]/a		
ton[US]/d		
ton[US]/ft2		
ton[US]/h		
ton[US]/min		
tonf[UK]		
tonf[UK].ft2		
tonf[UK]/ft		
tonf[UK]/ft2		
tonf[US]		
tonf[US].ft		
tonf[US].ft2		
tonf[US].mi		
tonf[US].mi/bbl		
tonf[US].mi/ft		
tonf[US]/ft		
tonf[US]/ft2		
tonf[US]/in2		
tonRefrig		
torr		
TP		
TPa		
Trd		
TS		
TT		
TV		
TW		
TW.h		
TWb		
uA		
uA/cm2		
uA/in2		

ubar		
uC		
ucal[th]		
ucal[th]/(s.cm ²)		
ucal[th]/s		
uCi		
uEuc		
ueV		
uF		
uF/m		
ug		
ug/cm ³		
ug/g		
ug/mg		
ugauss		
uGy		
uH		
uH/m		
uHz		
uJ		
um		
um/s		
um ²		
um ² .m		
umHg[0degC]		
umol		
uN		
uohm		
uohm/ft		
uohm/m		
uP		
uPa		
upsi		
urad		
urd		
us		
uS		
us/ft		
us/in		

us/m		
uT		
uV		
uV/ft		
uV/m		
uW		
uW/m ³		
uWb		
V		
V/B		
V/dB		
V/m		
W		
W.m ² .K/(J.K)		
W/(m.K)		
W/(m ² .K)		
W/(m ² .sr)		
W/(m ³ .K)		
W/cm ²		
W/K		
W/kW		
W/m ²		
W/m ³		
W/mm ²		
W/sr		
WW		
Wb		
Wb.m		
Wb/m		
Wb/mm		
wk		
yd		
yd[BnA]		
yd[BnB]		
yd[Cla]		
yd[Ind]		
yd[Ind37]		
yd[Ind62]		
yd[Ind75]		

yd[Se]		
yd[SeT]		
yd[US]		
yd2		
yd3		

Associations

Association	Notes
From: UnitOfMeasureExt. To: UnitOfMeasure <i>Generalization</i>	

5.16 UnitOfMeasureExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/31/2016

Notes: A variant of UnitOfMeasure which has been extended to allow any user-defined unit of measure which follows an authority:unit pattern; the colon is mandatory.

This class is implemented in XML as a union between the list of valid units per the prevailing Energistics Units of Measure Specification and an XML pattern which mandates the central colon.

Associations

Association	Notes
From: UnitOfMeasureExt. To: UnitOfMeasure <i>Generalization</i>	
From: UnitOfMeasureExt. To: EnumExtensionPattern <i>Generalization</i>	

5.17 WellboreDatumReference

Type: Enumeration **Stereotype:**

Detail: Created: 1/24/2013 Last modified: 11/1/2016

Notes: Reference location for the measured depth datum (MdDatum).

The type of local or permanent reference datum for vertical gravity based (i.e., elevation and vertical depth) and measured depth coordinates within the context of a well. This list includes local points (e.g., kelly bushing) used as a datum and vertical reference datums (e.g., mean sea level).

Attributes

Name	Type	Notes
ground level		
kelly bushing		
mean sea level		A tidal datum. The arithmetic mean of hourly heights observed over the National Tidal Datum Epoch (19 years).
derrick floor		
casing flange		A flange affixed to the top of the casing string used to attach production equipment.
crown valve		
rotary bushing		
rotary table		
sea floor		
lowest astronomical tide		The lowest tide level over the duration of the National Tidal Datum Epoch (19 years).
mean higher high water		A tidal datum. The average of the higher high water height of each tidal day observed over the National Tidal Datum Epoch (19 years).
mean high water		A tidal datum. The average of all the high water heights observed over the National Tidal Datum Epoch (19 years).
mean lower low water		A tidal datum. The average of the lower low water height of each tidal day observed over the National Tidal Datum Epoch (19 years).
mean low water		A tidal datum. The average of all the low water heights observed over the National Tidal Datum Epoch (19 years).
mean tide level		A tidal datum. The arithmetic mean of mean high water and mean low water. Same as half-tide level.
kickoff point		This value is not expected to be used in most typical situations. All reasonable attempts should be made to determine the appropriate value.

Associations

Association	Notes

Association	Notes
From: TvdInformation. To: WellboreDatumReference <i>Dependency</i>	
From: MdDatum. To: WellboreDatumReference <i>Dependency</i>	
From: DepthRegLogSection. To: WellboreDatumReference <i>Dependency</i>	
From: WellDatum. To: WellboreDatumReference <i>Dependency</i>	

5.18 WellStatus

Type: Enumeration **Stereotype:** «Enumeration»

Detail: Created: 4/13/2015 Last modified: 10/28/2016

Notes: These values represent the status of a well or wellbore.

Attributes

Name	Type	Notes
abandoned		The status of a facility in which drilling, completion, and production operations have been permanently terminated.
active		For a well to be active, at least one of its wellbores must be active. For a wellbore to be active, at least one of its completions must be actively producing or injecting fluids.
active -- injecting		Fluids are actively being injected into the facility.
active -- producing		Fluids are actively being produced from the facility.
completed		The completion has been installed, but the facility is not yet active. This status is appropriate only before the initial producing or injecting activity.
drilling		The status of a well or wellbore in which drilling operations have begun, but are not yet completed. The status ends when another status becomes appropriate.
partially plugged		The wellbore has been plugged from the bottom, but only partially to the point where it intersects another wellbore.
permitted		The facility has received regulatory approval, but drilling has not yet commenced. For a well, it has been spudded. For a subsequent wellbore, the whipstock or similar device has not yet been set.
plugged and abandoned		An abandoned well (or wellbore) whose wellbores have been plugged in such a manner as to prevent the migration of oil, gas, salt water, or other substance from one stratum to another. Generally the criteria for this status is controlled by regulatory authorities.
proposed		The status of a well or wellbore from conception to either regulatory approval or commencement of drilling.

sold		The facility has been sold, so it is no longer appropriate to keep a close internal status value. Status values may be added at later times without changing the sold status.
suspended		Production or injection has been temporarily suspended in a manner that will allow immediate resumption of activities.
temporarily abandoned		Production or injection has been temporarily suspended in a manner that will not allow immediate resumption of activities.
testing		The facility operations are suspended while tests are being conducted to determine formation and/or reservoir properties. For example, a drillstem test. This status also includes extended testing.
tight		Information about the status of the well is confidential. This is more explicit than unknown, since it gives the reason that the status value is unknown.
working over		Maintenance or data acquisition on a well during the production phase. This includes any relevant job which can be done while the well is shut in. This includes many jobs that occur when a well is re-entered.
unknown		The value is not known. This value should not be used in normal situations. All reasonable attempts should be made to determine the appropriate value. Use of this value may result in rejection in some situations.

Associations

Association	Notes
From: WellStatus. To: TypeEnum <i>Generalization</i>	
From: Wellbore. To: WellStatus <i>Dependency</i>	
From: Well. To: WellStatus <i>Dependency</i>	

6 CommonTypes

Package: xsd_schemas

Notes:

6.1 GeologicTime

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 5/22/2013 Last modified: 10/26/2016

Notes: *The Geological Time Class name is a compromise used to represent a Time at several scales : A mandatory and precise DateTime used to characterize a TimeStep in some TimeSeries and an optional Age Offset (corresponding to an Geological Event occurrence) in years. This Age Offset must be positive when it represents a GeologicalEvent occurrence in the past. We do not mandate this Age Offset to be only positive because we could have to realize simulation of Geological Event occurrence in the future.*

When the Geological Time is used to represent a Geological Event Occurrence the DateTime must be set by the writer at a date not precedent to the 01/01/1950. Any DateTime (even the creation Date Time of the instance) could be set in this Attribute field.

Attributes

Name	Type	Notes
AgeOffsetAttribute	long	A Value in Years of the Age Offset between the DateTime Attribute value and the DateTime of a GeologicalEvent Occurrence. This value must be POSITIVE when it represents a Geological Event in The past.
DateTime	dateTime	A date, which can be represented according to the W3CDTF format.

Associations

Association	Notes
From: GeologicTimeBasedTimeInterval.Start To: GeologicTime Association	
From: BoundaryFeatureInterpretation.AbsoluteAge 0..1 To: GeologicTime Association	
From: GeologicTimeBasedTimeInterval.End To: GeologicTime Association	

6.2 PropertyKind

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 5/27/2016 Last modified: 10/26/2016

Notes: Property kinds carry the semantics of property values. They are used to identify if the values are, for

example, representing porosity, length, stress tensor, etc. Energistics provides a list of standard property kind that represent the basis for the commonly used properties in the E&P subsurface workflow.

Attributes

Name	Type	Notes
QuantityClass	QuantityClassKind	A reference to the name of a quantity class in the Energistics Unit of Measure Dictionary. If there is no match in the Energistics Unit of Measure Dictionary, then this attribute is purely for human information.

Associations

Association	Notes
From: PropertyKind. To: AbstractObject <i>Generalization</i>	
0..1 From: PropertyKind.Parent To: PropertyKind <i>Association</i>	
2..* From: PropertyKindDictionary.PropertyKind To: PropertyKind <i>Association</i>	<p>This is the relation which brings the individual PropertyKind elements into a PropertyKindDictionary. This is done to avoid having a huge number of little PropertyKind XML documents in a single transfer.</p> <p>Having said that, it is not a requirement that PropertyKind instances be inside a dictionary. In particular, when transferring a single PropertyKind, it neither necessary nor encouraged to create a PropertyKindDictionary just to hold one.</p> <p>So the cardinality of the relationship has been set to 2..* to prevent such a dictionary from being created.</p>
1 From: AbstractProperty.PropertyKind To: PropertyKind <i>Association</i>	
0..1 From: PropertyKindDictionary.PropertyKind To: PropertyKind <i>Association</i>	

6.3 PropertyKindDictionary

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 5/27/2016 Last modified: 10/26/2016

Notes: This dictionary defines property kind which is intended to handle the requirements of the upstream oil and gas industry.

Associations

Association	Notes
From: PropertyKindDictionary.PropertyKind 2..* To: PropertyKind <i>Association</i>	<p>This is the relation which brings the individual PropertyKind elements into a PropertyKindDictionary. This is done to avoid having a huge number of little PropertyKind XML documents in a single transfer.</p> <p>Having said that, it is not a requirement that PropertyKind instances be inside a dictionary. In particular, when transferring a single PropertyKind, it is neither necessary nor encouraged to create a PropertyKindDictionary just to hold one.</p> <p>So the cardinality of the relationship has been set to 2..* to prevent such a dictionary from being created.</p>
From: PropertyKindDictionary. To: AbstractObject <i>Generalization</i>	

6.4 TimeIndex

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 5/22/2013 Last modified: 10/26/2016

Notes: Index into a time series. Used to specify time. (Not to be confused with time step.)

Attributes

Name	Type	Notes
Index	NonNegativeLong	The index of the time in the time series.

Associations

Association	Notes
From: TimeIndex.TimeSeries To: TimeSeries <i>Association</i>	
From: AbstractGeometry.TimeIndex 0..1 To: TimeIndex <i>Association</i>	
From: StreamlinesFeature.TimeIndex To: TimeIndex <i>Association</i>	
From: TimeSeriesParentage.ParentTimeIndex To: TimeIndex <i>Association</i>	Index of the first entry in the current time series, if it overlaps with the parent time series. Otherwise, the index of the last entry in the prior time series.
0..1 From: ElementIdentity.ToTimeIndex To: TimeIndex <i>Association</i>	
From: TimeIndexParameter.TimeIndex To: TimeIndex <i>Association</i>	
From: TimeIndexParameterKey.TimeIndex To: TimeIndex <i>Association</i>	
0..1 From: ElementIdentity.FromTimeIndex To: TimeIndex <i>Association</i>	

6.5 TimeIndices

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 2/26/2015 Last modified: 10/26/2016

Notes: Indices

into a time series. Used to specify time. (Not to be confused with time step.)

Attributes

Name	Type	Notes
SimulatorTimeStep	AbstractIntegerArray	Simulation time step for each time index
TimeIndexCount	PositiveLong	
TimeIndexStart	NonNegativeLong	The index of the start time in the time series, if not zero.
UseInterval	Boolean	When UseInterval is true, the values are associated with each time intervals between two consecutive time entries instead of each individual time entry. As a consequence the dimension of the value array corresponding to the time series is the number of entry in the series minus one.

Associations

Association	Notes
From: TimeIndices.TimeSeries To: TimeSeries <i>Association</i>	
0..1 From: AbstractProperty.TimeIndices To: TimeIndices <i>Association</i>	

6.6 TimeSeries

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 6/21/2012 Last modified: 10/26/2016

Notes: Stores an ordered list of times, for example, for time-dependent properties, geometries, or representations. It is used in conjunction with the time index to specify times for RESQML.

Attributes

Name	Type	Notes
Time	GeologicTime	Individual times composing the series. The list ordering is used by the time index.

Associations

Association	Notes
From: TimeSeries. To: AbstractObject <i>Generalization</i>	
From: TimeSeries.TimeSeriesParentage 0..1 To: TimeSeriesParentage <i>Association</i>	
From: Activation.TimeSeries To: TimeSeries <i>Association</i>	
From: TimeIndices.TimeSeries To: TimeSeries <i>Association</i>	
From: TimeIndex.TimeSeries To: TimeSeries <i>Association</i>	

6.7 TimeSeriesParentage

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/5/2013 Last modified: 10/26/2016

Notes: Indicates that a time series has the associated time series as a parent, i.e., that the series continues from the parent time series.

Attributes

Name	Type	Notes
HasOverlap	boolean	Used to indicate that a time series overlaps with its parent time series, e.g., as may be done for simulation studies, where the end state of one calculation is the initial state of the next.

Associations

Association	Notes
From: TimeSeriesParentage.ParentTimeIndex To: TimeIndex <i>Association</i>	Index of the first entry in the current time series, if it overlaps with the parent time series. Otherwise, the index of the last entry in the prior time series.
0..1 From: TimeSeries.TimeSeriesParentage To: TimeSeriesParentage <i>Association</i>	

7 CRS

Package: xsd_schemas

Notes:

7.1 AbstractGeodeticCrs

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 12/18/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: GeodeticEpsgCrs. To: AbstractGeodeticCrs <i>Generalization</i>	
From: GeodeticWktCrs. To: AbstractGeodeticCrs <i>Generalization</i>	
From: GeodeticLocalAuthorityCrs. To: AbstractGeodeticCrs <i>Generalization</i>	
From: GeodeticWellLocation.Crs 1 To: AbstractGeodeticCrs <i>Association</i>	
From: GeodeticUnknownCrs. To: AbstractGeodeticCrs <i>Generalization</i>	
From: GeodeticCrs. 1..1 To: AbstractGeodeticCrs <i>Association</i>	
From: GeodeticGmlCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.2 AbstractProjectedCrs

Type: Class **Stereotype:** «XSDcomplexType»
Detail: Created: 8/18/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: ProjectedLocalAuthorityCrs. To: AbstractProjectedCrs <i>Generalization</i>	
From: ProjectedGmlCrs. To: AbstractProjectedCrs <i>Generalization</i>	
From: AbstractLocal3dCrs.ProjectedCrs To: AbstractProjectedCrs <i>Association</i>	
From: ProjectedUnknownCrs. To: AbstractProjectedCrs <i>Generalization</i>	
From: ProjectedWktCrs. To: AbstractProjectedCrs <i>Generalization</i>	
From: ProjectedWellLocation.Crs To: AbstractProjectedCrs <i>Association</i>	
From: ProjectedCrs. To: AbstractProjectedCrs <i>Association</i>	
From: ProjectedEpsgCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.3 AbstractVerticalCrs

Type: Class Stereotype: «XSDcomplexType»
Detail: Created: 8/18/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: VerticalLocalAuthorityCrs. To: AbstractVerticalCrs <i>Generalization</i>	
From: VerticalGmlCrs. To: AbstractVerticalCrs <i>Generalization</i>	
From: VerticalCrs. 1..1 To: AbstractVerticalCrs <i>Association</i>	
From: VerticalUnknownCrs. To: AbstractVerticalCrs <i>Generalization</i>	
From: VerticalWktCrs. To: AbstractVerticalCrs <i>Generalization</i>	
From: VerticalEpsgCrs. To: AbstractVerticalCrs <i>Generalization</i>	
From: WellDatum.Crs To: AbstractVerticalCrs <i>Association</i>	
From: AbstractLocal3dCrs.VerticalCrs 1 To: AbstractVerticalCrs <i>Association</i>	

7.4 AxisOrder2d

Type: Enumeration *Stereotype:*

Detail: Created: 5/17/2012 Last modified: 10/26/2016

Notes: Defines the coordinate system axis order of the global CRS using the axis names (from EPSG database).

Attributes

Name	Type	Notes
easting northing	TypeEnum	The first axis is easting and the second axis is northing.
northing easting	TypeEnum	The first axis is northing and the second axis is easting.
westing southing	TypeEnum	The first axis is westing and the second axis is southing.
southing westing	TypeEnum	The first axis is southing and the second axis is westing.
northing westing	TypeEnum	the first axis is northing and the second axis is westing.
westing northing	TypeEnum	the first axis is westing and the second axis is northing.

Associations

Association	Notes
From: ProjectedCrs. To: AxisOrder2d <i>Dependency</i>	

7.5 GeodeticCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/18/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: GeodeticCrs. To: AbstractObject <i>Generalization</i>	
1..1 From: GeodeticCrs. To: AbstractGeodeticCrs <i>Association</i>	

7.6 GeodeticEpsgCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 12/18/2015 *Last modified:* 10/26/2016

Notes: This class contains the EPSG code for a geodetic CRS.

Attributes

Name	Type	Notes
EpsgCode	PositiveLong	

Associations

Association	Notes
From: GeodeticEpsgCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.7 GeodeticGmlCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 12/18/2015 *Last modified:* 10/26/2016

Notes: This is the Energistics encapsulation of the GeodeticCrs type from GML.

Attributes

Name	Type	Notes
GmlProjectedCrsDefinition	GeodeticCRSType	

Associations

Association	Notes
From: GeodeticGmlCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.8 GeodeticLocalAuthorityCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/21/2015 Last modified: 10/26/2016

Notes: This class contains a code for a geodetic CRS according to a local authority. This would be used in a case where a company or regulatory regime has chosen not to use EPSG codes.

Attributes

Name	Type	Notes
LocalAuthorityCrsName	AuthorityQualifiedName	

Associations

Association	Notes
From: GeodeticLocalAuthorityCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.9 GeodeticUnknownCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 12/18/2015 *Last modified:* 10/26/2016

Notes: This class is used in a case where the coordinate reference system is either unknown or is intentionally not being transferred.

Attributes

Name	Type	Notes
Unknown	String2000	

Associations

Association	Notes
From: GeodeticUnknownCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.10 GeodeticWktCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/18/2015 Last modified: 10/26/2016

Notes: ISO 19162-compliant well-known text for the Geodetic CRS

Attributes

Name	Type	Notes
WellKnownText	string	ISO 19162 compliant well known text of the CRS

Associations

Association	Notes
From: GeodeticWktCrs. To: AbstractGeodeticCrs <i>Generalization</i>	

7.11 ProjectedCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This is the Energistics encapsulation of the ProjectedCrs type from GML.

Attributes

Name	Type	Notes
AxisOrder	AxisOrder2d	
uom	LengthUomExt	

Associations

Association	Notes
From: ProjectedCrs. To: AbstractObject <i>Generalization</i>	
From: ProjectedCrs. 1..1 To: AbstractProjectedCrs <i>Association</i>	
From: ProjectedCrs. To: AxisOrder2d <i>Dependency</i>	

7.12 ProjectedEpsgCrs

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This class contains the EPSG code for a projected CRS.

Attributes

Name	Type	Notes
EpsgCode	PositiveLong	

Associations

Association	Notes
From: ProjectedEpsgCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.13 ProjectedGmlCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This is the Energistics encapsulation of the ProjectedCrs type from GML.

Attributes

Name	Type	Notes
GmlProjectedCrsDefinition	ProjectedCRSType	

Associations

Association	Notes
From: ProjectedGmlCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.14 ProjectedLocalAuthorityCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 12/21/2015 Last modified: 10/26/2016

Notes: This class contains a code for a projected CRS according to a local authority. This would be used in a case where a company or regulatory regime has chosen not to use EPSG codes.

Attributes

Name	Type	Notes
LocalAuthorityCrsName	AuthorityQualifiedName	

Associations

Association	Notes
From: ProjectedLocalAuthorityCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.15 ProjectedUnknownCrs

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This class is used in a case where the coordinate reference system is either unknown or is intentionally not being transferred. In this case, the uom and AxisOrder need to be provided on the ProjectedCrs class.

Attributes

Name	Type	Notes
Unknown	String2000	

Associations

Association	Notes
From: ProjectedUnknownCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.16 ProjectedWktCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/18/2015 Last modified: 10/26/2016

Notes: ISO 19162-compliant well-known text for the projected CRS

Attributes

Name	Type	Notes
WellKnownText	string	ISO 19162 compliant well known text of the CRS

Associations

Association	Notes
From: ProjectedWktCrs. To: AbstractProjectedCrs <i>Generalization</i>	

7.17 VerticalCrs

Type: Class *Stereotype:* «XSDcomplexType»
Detail: Created: 4/29/2014 Last modified: 10/26/2016
Notes:

Attributes

Name	Type	Notes
Direction	VerticalDirection	
uom	LengthUomExt	

Associations

Association	Notes
From: VerticalCrs. To: AbstractObject <i>Generalization</i>	
1..1 From: VerticalCrs. To: AbstractVerticalCrs <i>Association</i>	
From: VerticalCrs. To: VerticalDirection <i>Dependency</i>	

7.18 VerticalDirection

Type: Enumeration *Stereotype:*

Detail: Created: 5/17/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
up	TypeEnum	Values are positive when moving away from the center of the Earth.
down	TypeEnum	Values are positive when moving toward the center of the Earth.

Associations

Association	Notes
From: VerticalCrs. To: VerticalDirection <i>Dependency</i>	

7.19 VerticalEpsgCrs

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This class contains the EPSG code for a vertical CRS.

Attributes

Name	Type	Notes
EpsgCode	PositiveLong	

Associations

Association	Notes
From: VerticalEpsgCrs. To: AbstractVerticalCrs <i>Generalization</i>	

7.20 VerticalGmlCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This is the Energistics encapsulation of the VerticalCrs type from GML.

Attributes

Name	Type	Notes
GmlVerticalCrsDefinition	VerticalCRSType	

Associations

Association	Notes
From: VerticalGmlCrs. To: AbstractVerticalCrs <i>Generalization</i>	

7.21 VerticalLocalAuthorityCrs

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 12/21/2015 *Last modified:* 10/26/2016

Notes: This class contains a code for a vertical CRS according to a local authority. This would be used in a case where a company or regulatory regime has chosen not to use EPSG codes.

Attributes

Name	Type	Notes
LocalAuthorityCrsName	AuthorityQualifiedName	

Associations

Association	Notes
From: VerticalLocalAuthorityCrs. To: AbstractVerticalCrs <i>Generalization</i>	

7.22 VerticalUnknownCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 4/29/2014 Last modified: 10/26/2016

Notes: This class is used in a case where the coordinate reference system is either unknown or is intentionally not being transferred. In this case, the uom and Direction need to be provided on the VerticalCrs class.

Attributes

Name	Type	Notes
Unknown	String2000	

Associations

Association	Notes
From: VerticalUnknownCrs. To: AbstractVerticalCrs <i>Generalization</i>	

7.23 VerticalWktCrs

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 12/18/2015 Last modified: 10/26/2016

Notes: ISO 19162-compliant well-known text for the vertical CRS

Attributes

Name	Type	Notes
WellKnownText	string	ISO 19162 compliant well known text of the CRS

Associations

Association	Notes
From: VerticalWktCrs. To: AbstractVerticalCrs <i>Generalization</i>	

8 DataAssurance

Package: xsd_schemas

Notes:

8.1 DataAssuranceRecord

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 1/21/2016 Last modified: 10/26/2016

Notes: A little XML document describing whether or not a particular data object conforms with a pre-defined policy which consists of at least one rule.

Attributes

Name	Type	Notes
Comment	string	
Conformance	boolean	Yes/no flag indicating whether this particular data ???? conforms with the policy or not.
Date	TimeStamp	Date the policy was last checked. This is the date for which the Conformance value is valid.
Origin	string	Agent which checked the data for conformance with the policy. This could be a person or an automated computer process or any number of other things.
PolicyId	String64	Identifier of the policy whose conformance is being described.
PolicyName	String2000	Human-readable name of the policy
ReferencedElementName	String64	If the Policy applies to a single element within the referenced data object this attribute holds its element name.
ReferencedElementUid	String64	If the Policy applies to a single occurrence of a recurring element within the referenced data object this attribute holds its uid. The name of the recurring element would be in the ReferencedElementName.

Associations

Association	Notes
From: DataAssuranceRecord. To: AbstractObject <i>Generalization</i>	
0..* From: DataAssuranceRecord.FailingRules To: FailingRule <i>Association</i>	<p>If the data do not conform to the policy then there will a FailingRule for each occurrence of a rule which failed.</p> <p>If the data being examined conforms to the policy then there will be no occurrences of FailingRules.</p>
0..1 From: DataAssuranceRecord.IndexRange To: IndexRange <i>Association</i>	<p>In the case that the ReferencedData is indexed and the conformance with the DataAssurance policy applies to a range within that index space, this class represents that range.</p>

Association	Notes
	The elements are string types because the index could be of numerous data types, including integer, float and date.
From: DataAssuranceRecord.ReferencedData To: DataObjectReference <i>Association</i>	This holds a GUID which is a reference to the data object whose conformance with the policy is being assessed.

8.2 FailingRule

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 1/21/2016 Last modified: 10/26/2016

Notes: The FailingRule class holds summary information on which of the rules within a policy failed.

Attributes

Name	Type	Notes
FailingRuleExtensions	ExtensionNameValuePair	This allows extending the FailingRule class with as many arbitrary name-value pairs as is required at run-time. Uses for this might include why the rule failed or by how much.
RuleId	String64	Identifier of the atomic rule being checked against the data.
RuleName	String2000	Human-readable name of the atomic rule being checked against the data.
Severity	String64	Severity of the failure. This could be used to indicate that a rule is a high-priority rule whose failure is considered as severe or could be used to indicate just how badly a rule was contravened. The meaning of this field should be standardized within a company to maximize its utility.

Associations

Association	Notes
0..* From: DataAssuranceRecord.FailingRules To: FailingRule <i>Association</i>	If the data do not conform to the policy then there will a FailingRule for each occurrence of a rule which failed. If the data being examined conforms to the policy then there will be no occurrences of FailingRules.

8.3 IndexRange

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 1/21/2016 Last modified: 10/26/2016

Notes: In the case that the ReferencedData is indexed and the conformance with the DataAssurance policy applies to a range within that index space, this class represents that range.

The elements are string types because the index could be of numerous data types, including integer, float and date.

Attributes

Name	Type	Notes
IndexMaximum	String64	The maximum index for the range over which the referenced data's conformance with the policy is being assessed.
IndexMinimum	String64	The minimum index for the range over which the referenced data's conformance with the policy is being assessed.

Associations

Association	Notes
From: DataAssuranceRecord.IndexRange 0..1 To: IndexRange <i>Association</i>	In the case that the ReferencedData is indexed and the conformance with the DataAssurance policy applies to a range within that index space, this class represents that range. The elements are string types because the index could be of numerous data types, including integer, float and date.

9 Graphical Information

Package: xsd_schemas

Notes:

9.1 AbstractGraphicallInformation

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 11/10/2016 Last modified: 11/10/2016

Notes:

Associations

Association	Notes
From: AbstractGraphicallInformation. To: AbstractObject <i>Dependency</i>	
From: AbstractGraphicallInformation.TargetObject To: DataObjectReference <i>Association</i>	
From: GraphicallInformationSet.GraphicallInformation To: AbstractGraphicallInformation <i>Association</i>	

9.2 GraphicalInformationSet

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/10/2016 Last modified: 11/10/2016

Notes:

Associations

Association	Notes
From: GraphicalInformationSet. To: AbstractObject <i>Generalization</i>	
0..* From: GraphicalInformationSet.GraphicalInformation To: AbstractGraphicalInformation <i>Association</i>	

10 MeasureType

Package: xsd_schemas

Notes: These types represent numeric quantities with a unit of measure implemented as a uom attribute. The units are gathered into single quantity class which represents a group of units. The unit symbols appropriate for the class are captured as enumerated lists. The implementation of this is to develop a type for each uom class that is a union of a standard list, the unknown value, and the Other: extension. Additional files will contain these structures.

10.1 AbsorbedDoseMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AbsorbedDoseUom	

Associations

Association	Notes
From: AbsorbedDoseMeasure. To: AbstractMeasure <i>Generalization</i>	

10.2 AbsorbedDoseMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AbsorbedDoseUomExt	

Associations

Association	Notes
From: AbsorbedDoseMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.3 ActivityOfRadioactivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ActivityOfRadioactivityUom	

Associations

Association	Notes
From: ActivityOfRadioactivityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.4 ActivityOfRadioactivityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ActivityOfRadioactivityUo mExt	

Associations

Association	Notes
From: ActivityOfRadioactivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.5 AmountOfSubstanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstanceUom	

Associations

Association	Notes
From: AmountOfSubstanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.6 AmountOfSubstanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstanceUomExt	

Associations

Association	Notes
From: AmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.7 AmountOfSubstancePerAmountOfSubstanceMeasure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerAmountOfSubstanceUom	

Associations

Association	Notes
From: AmountOfSubstancePerAmountOfSubstanceMeasure. To: AbstractMeasure <i>Generalization</i>	
From: RefInjectedGasAdded. To: AmountOfSubstancePerAmountOfSubstanceMeasure <i>Generalization</i>	

10.8 AmountOfSubstancePerAmountOfSubstanceMeasureExt

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerAmountOfSubstanceUomExt	

Associations

Association	Notes
From: AmountOfSubstancePerAmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.9 AmountOfSubstancePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerAreaUom	

Associations

Association	Notes
From: AmountOfSubstancePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.10 AmountOfSubstancePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerAreaUomExt	

Associations

Association	Notes
From: AmountOfSubstancePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.11 AmountOfSubstancePerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerTi meUom	

Associations

Association	Notes
From: AmountOfSubstancePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.12 AmountOfSubstancePerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerTi meUomExt	

Associations

Association	Notes
From: AmountOfSubstancePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.13 AmountOfSubstancePerTimePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerTimePerAreaUom	

Associations

Association	Notes
From: AmountOfSubstancePerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.14 AmountOfSubstancePerTimePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerTi mePerAreaUomExt	

Associations

Association	Notes
From: AmountOfSubstancePerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.15 AmountOfSubstancePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerVolumeUom	

Associations

Association	Notes
From: AmountOfSubstancePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.16 AmountOfSubstancePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AmountOfSubstancePerVolumeUomExt	

Associations

Association	Notes
From: AmountOfSubstancePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.17 AnglePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AnglePerLengthUom	

Associations

Association	Notes
From: AnglePerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.18 AnglePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AnglePerLengthUomExt	

Associations

Association	Notes
From: AnglePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.19 AnglePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AnglePerVolumeUom	

Associations

Association	Notes
From: AnglePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.20 AnglePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AnglePerVolumeUomExt	

Associations

Association	Notes
From: AnglePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.21 AngularAccelerationMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AngularAccelerationUom	

Associations

Association	Notes
From: AngularAccelerationMeasure. To: AbstractMeasure <i>Generalization</i>	

10.22 AngularAccelerationMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AngularAccelerationUomExt	

Associations

Association	Notes
From: AngularAccelerationMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.23 AngularVelocityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AngularVelocityUom	

Associations

Association	Notes
From: AngularVelocityMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.24 AngularVelocityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AngularVelocityUomExt	

Associations

Association	Notes
From: AngularVelocityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.25 APIGammaRayMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APIGammaRayUom	

Associations

Association	Notes
From: APIGammaRayMeasure. To: AbstractMeasure <i>Generalization</i>	

10.26 APIGammaRayMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APIGammaRayUomExt	

Associations

Association	Notes
From: APIGammaRayMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.27 APIGravityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APIGravityUom	

Associations

Association	Notes
From: APIGravityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.28 APIGravityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APIGravityUomExt	

Associations

Association	Notes
From: APIGravityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.29 APINeutronMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APINeutronUom	

Associations

Association	Notes
From: APINeutronMeasure. To: AbstractMeasure <i>Generalization</i>	

10.30 APINeutronMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	APINeutronUomExt	

Associations

Association	Notes
From: APINeutronMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.31 AreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaUom	

Associations

Association	Notes
From: AreaMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.32 AreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaUomExt	

Associations

Association	Notes
From: AreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.33 AreaPerAmountOfSubstanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerAmountOfSubstanceUom	

Associations

Association	Notes
From: AreaPerAmountOfSubstanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.34 AreaPerAmountOfSubstanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerAmountOfSubstanceUomExt	

Associations

Association	Notes
From: AreaPerAmountOfSubstanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.35 AreaPerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerAreaUom	

Associations

Association	Notes
From: AreaPerAreaMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.36 AreaPerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerAreaUomExt	

Associations

Association	Notes
From: AreaPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.37 AreaPerCountMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerCountUom	

Associations

Association	Notes
From: AreaPerCountMeasure. To: AbstractMeasure <i>Generalization</i>	

10.38 AreaPerCountMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerCountUomExt	

Associations

Association	Notes
From: AreaPerCountMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.39 AreaPerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerMassUom	

Associations

Association	Notes
From: AreaPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.40 AreaPerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerMassUomExt	

Associations

Association	Notes
From: AreaPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.41 AreaPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerTimeUom	

Associations

Association	Notes
From: AreaPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.42 AreaPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerTimeUomExt	

Associations

Association	Notes
From: AreaPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.43 AreaPerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerVolumeUom	

Associations

Association	Notes
From: AreaPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.44 AreaPerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AreaPerVolumeUomExt	

Associations

Association	Notes
From: AreaPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.45 AttenuationPerFrequencyIntervalMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AttenuationPerFrequencyIntervalUom	

Associations

Association	Notes
From: AttenuationPerFrequencyIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	

10.46 AttenuationPerFrequencyIntervalMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	AttenuationPerFrequencyIntervalUomExt	

Associations

Association	Notes
From: AttenuationPerFrequencyIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.47 CapacitanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	CapacitanceUom	

Associations

Association	Notes
From: CapacitanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.48 CapacitanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	CapacitanceUomExt	

Associations

Association	Notes
From: CapacitanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.49 CationExchangeCapacityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	CationExchangeCapacityUom	

Associations

Association	Notes
From: CationExchangeCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.50 CationExchangeCapacityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	CationExchangeCapacityUomExt	

Associations

Association	Notes
From: CationExchangeCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.51 DataTransferSpeedMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DataTransferSpeedUom	

Associations

Association	Notes
From: DataTransferSpeedMeasure. To: AbstractMeasure <i>Generalization</i>	

10.52 DataTransferSpeedMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DataTransferSpeedUomExt	

Associations

Association	Notes
From: DataTransferSpeedMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.53 DiffusionCoefficientMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DiffusionCoefficientUom	

Associations

Association	Notes
From: DiffusionCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	

10.54 DiffusionCoefficientMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DiffusionCoefficientUomExt	

Associations

Association	Notes
From: DiffusionCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.55 DiffusiveTimeOfFlightMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DiffusiveTimeOfFlightUom	

Associations

Association	Notes
From: DiffusiveTimeOfFlightMeasure. To: AbstractMeasure <i>Generalization</i>	

10.56 DiffusiveTimeOfFlightMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DiffusiveTimeOfFlightUomExt	

Associations

Association	Notes
From: DiffusiveTimeOfFlightMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.57 DigitalStorageMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DigitalStorageUom	

Associations

Association	Notes
From: DigitalStorageMeasure. To: AbstractMeasure <i>Generalization</i>	

10.58 DigitalStorageMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DigitalStorageUomExt	

Associations

Association	Notes
From: DigitalStorageMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.59 DimensionlessMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DimensionlessUom	

Associations

Association	Notes
From: DimensionlessMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.60 DimensionlessMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DimensionlessUomExt	

Associations

Association	Notes
From: DimensionlessMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.61 DipoleMomentMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DipoleMomentUom	

Associations

Association	Notes
From: DipoleMomentMeasure. To: AbstractMeasure <i>Generalization</i>	

10.62 DipoleMomentMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DipoleMomentUomExt	

Associations

Association	Notes
From: DipoleMomentMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.63 DoseEquivalentMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DoseEquivalentUom	

Associations

Association	Notes
From: DoseEquivalentMeasure. To: AbstractMeasure <i>Generalization</i>	

10.64 DoseEquivalentMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DoseEquivalentUomExt	

Associations

Association	Notes
From: DoseEquivalentMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.65 DynamicViscosityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DynamicViscosityUom	

Associations

Association	Notes
From: DynamicViscosityMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.66 DynamicViscosityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	DynamicViscosityUomExt	

Associations

Association	Notes
From: DynamicViscosityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.67 ElectricalResistivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricalResistivityUom	

Associations

Association	Notes
From: ElectricalResistivityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.68 ElectricalResistivityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricalResistivityUomExt	

Associations

Association	Notes
From: ElectricalResistivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.69 ElectricChargeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargeUom	

Associations

Association	Notes
From: ElectricChargeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.70 ElectricChargeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargeUomExt	

Associations

Association	Notes
From: ElectricChargeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.71 ElectricChargePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerAreaUo m	

Associations

Association	Notes
From: ElectricChargePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.72 ElectricChargePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerAreaUo mExt	

Associations

Association	Notes
From: ElectricChargePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.73 ElectricChargePerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerMassUo m	

Associations

Association	Notes
From: ElectricChargePerMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.74 ElectricChargePerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerMassUomExt	

Associations

Association	Notes
From: ElectricChargePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.75 ElectricChargePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerVolume Uom	

Associations

Association	Notes
From: ElectricChargePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.76 ElectricChargePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricChargePerVolume UomExt	

Associations

Association	Notes
From: ElectricChargePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.77 ElectricConductanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricConductanceUom	

Associations

Association	Notes
From: ElectricConductanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.78 ElectricConductanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricConductanceUomExt	

Associations

Association	Notes
From: ElectricConductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.79 ElectricConductivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricConductivityUom	

Associations

Association	Notes
From: ElectricConductivityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.80 ElectricConductivityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricConductivityUomExt	

Associations

Association	Notes
From: ElectricConductivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.81 ElectricCurrentDensityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricCurrentDensityUo m	

Associations

Association	Notes
From: ElectricCurrentDensityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.82 ElectricCurrentDensityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricCurrentDensityUo mExt	

Associations

Association	Notes
From: ElectricCurrentDensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.83 ElectricCurrentMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricCurrentUom	

Associations

Association	Notes
From: ElectricCurrentMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.84 ElectricCurrentMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricCurrentUomExt	

Associations

Association	Notes
From: ElectricCurrentMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.85 ElectricFieldStrengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricFieldStrengthUom	

Associations

Association	Notes
From: ElectricFieldStrengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.86 ElectricFieldStrengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricFieldStrengthUom Ext	

Associations

Association	Notes
From: ElectricFieldStrengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.87 ElectricPotentialDifferenceMeasure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricPotentialDifference Uom	

Associations

Association	Notes
1..1 From: ElectricPotentialDifferenceMeasure. To: AbstractMeasure Generalization	

10.88 ElectricPotentialDifferenceMeasureExt

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricPotentialDifference UomExt	

Associations

Association	Notes
From: ElectricPotentialDifferenceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.89 ElectricResistanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricResistanceUom	

Associations

Association	Notes
From: ElectricResistanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.90 ElectricResistanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricResistanceUomExt	

Associations

Association	Notes
From: ElectricResistanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.91 ElectricResistancePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricResistancePerLengthUom	

Associations

Association	Notes
From: ElectricResistancePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.92 ElectricResistancePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectricResistancePerLengthUomExt	

Associations

Association	Notes
From: ElectricResistancePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.93 ElectromagneticMomentMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectromagneticMomentU om	

Associations

Association	Notes
From: ElectromagneticMomentMeasure. To: AbstractMeasure <i>Generalization</i>	

10.94 ElectromagneticMomentMeasureExt

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ElectromagneticMomentUomExt	

Associations

Association	Notes
From: ElectromagneticMomentMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.95 EnergyLengthPerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyLengthPerAreaUo m	

Associations

Association	Notes
From: EnergyLengthPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.96 EnergyLengthPerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyLengthPerAreaUo mExt	

Associations

Association	Notes
From: EnergyLengthPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.97 EnergyLengthPerTimeAreaTemperatureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyLengthPerTimeAreaTemperatureUom	

Associations

Association	Notes
From: EnergyLengthPerTimeAreaTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.98 EnergyLengthPerTimeAreaTemperatureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyLengthPerTimeAreaTemperatureUomExt	

Associations

Association	Notes
From: EnergyLengthPerTimeAreaTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.99 EnergyMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyUom	

Associations

Association	Notes
From: EnergyMeasure. To: AbstractMeasure <i>Generalization</i>	

10.100 EnergyMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyUomExt	

Associations

Association	Notes
From: EnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.101 EnergyPerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerAreaUom	

Associations

Association	Notes
From: EnergyPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.102 EnergyPerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerAreaUomExt	

Associations

Association	Notes
From: EnergyPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.103 EnergyPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerLengthUom	

Associations

Association	Notes
From: EnergyPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.104 EnergyPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerLengthUomExt	

Associations

Association	Notes
From: EnergyPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.105 EnergyPerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerMassUom	

Associations

Association	Notes
From: EnergyPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.106 EnergyPerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerMassUomExt	

Associations

Association	Notes
From: EnergyPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.107 EnergyPerMassPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerMassPerTimeUom	

Associations

Association	Notes
From: EnergyPerMassPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.108 EnergyPerMassPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerMassPerTimeUomExt	

Associations

Association	Notes
From: EnergyPerMassPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.109 EnergyPerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerVolumeUom	

Associations

Association	Notes
From: EnergyPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.110 EnergyPerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	EnergyPerVolumeUomExt	

Associations

Association	Notes
From: EnergyPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.111 ForceAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceAreaUom	

Associations

Association	Notes
From: ForceAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.112 ForceAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceAreaUomExt	

Associations

Association	Notes
From: ForceAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.113 ForceLengthPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceLengthPerLengthUom	

Associations

Association	Notes
From: ForceLengthPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.114 ForceLengthPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceLengthPerLengthUomExt	

Associations

Association	Notes
From: ForceLengthPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.115 ForceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceUom	

Associations

Association	Notes
From: ForceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.116 ForceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForceUomExt	

Associations

Association	Notes
From: ForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.117 ForcePerForceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerForceUom	

Associations

Association	Notes
From: ForcePerForceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.118 ForcePerForceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerForceUomExt	

Associations

Association	Notes
From: ForcePerForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.119 ForcePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerLengthUom	

Associations

Association	Notes
From: ForcePerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.120 ForcePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerLengthUomExt	

Associations

Association	Notes
From: ForcePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.121 ForcePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerVolumeUom	

Associations

Association	Notes
From: ForcePerVolumeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.122 ForcePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ForcePerVolumeUomExt	

Associations

Association	Notes
From: ForcePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.123 FrequencyIntervalMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	FrequencyIntervalUom	

Associations

Association	Notes
From: FrequencyIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	

10.124 FrequencyIntervalMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	FrequencyIntervalUomExt	

Associations

Association	Notes
From: FrequencyIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.125 FrequencyMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	FrequencyUom	

Associations

Association	Notes
From: FrequencyMeasure. To: AbstractMeasure <i>Generalization</i>	

10.126 FrequencyMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	FrequencyUomExt	

Associations

Association	Notes
From: FrequencyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.127 HeatCapacityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatCapacityUom	

Associations

Association	Notes
From: HeatCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.128 HeatCapacityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatCapacityUomExt	

Associations

Association	Notes
From: HeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.129 HeatFlowRateMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatFlowRateUom	

Associations

Association	Notes
From: HeatFlowRateMeasure. To: AbstractMeasure <i>Generalization</i>	

10.130 HeatFlowRateMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatFlowRateUomExt	

Associations

Association	Notes
From: HeatFlowRateMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.131 HeatTransferCoefficientMeasure

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatTransferCoefficientUo m	

Associations

Association	Notes
From: HeatTransferCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	

10.132 HeatTransferCoefficientMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	HeatTransferCoefficientUomExt	

Associations

Association	Notes
From: HeatTransferCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.133 IlluminanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	IlluminanceUom	

Associations

Association	Notes
From: IlluminanceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.134 IlluminanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	IlluminanceUomExt	

Associations

Association	Notes
From: IlluminanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.135 InductanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	InductanceUom	

Associations

Association	Notes
From: InductanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.136 InductanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	InductanceUomExt	

Associations

Association	Notes
From: InductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.137 IsothermalCompressibilityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	IsothermalCompressibilityUom	

Associations

Association	Notes
From: IsothermalCompressibilityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.138 IsothermalCompressibilityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	IsothermalCompressibilityUomExt	

Associations

Association	Notes
From: IsothermalCompressibilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.139 KinematicViscosityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	KinematicViscosityUom	

Associations

Association	Notes
From: KinematicViscosityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.140 KinematicViscosityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	KinematicViscosityUomExt	

Associations

Association	Notes
From: KinematicViscosityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.141 LengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthUom	

Associations

Association	Notes
From: LengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.142 LengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthUomExt	

Associations

Association	Notes
From: LengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.143 LengthPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerLengthUom	

Associations

Association	Notes
From: LengthPerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.144 LengthPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerLengthUomExt	

Associations

Association	Notes
From: LengthPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.145 LengthPerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerMassUom	

Associations

Association	Notes
From: LengthPerMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.146 LengthPerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerMassUomExt	

Associations

Association	Notes
From: LengthPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.147 LengthPerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerPressureUom	

Associations

Association	Notes
From: LengthPerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.148 LengthPerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerPressureUomExt	

Associations

Association	Notes
From: LengthPerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.149 LengthPerTemperatureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerTemperatureUo m	

Associations

Association	Notes
From: LengthPerTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.150 LengthPerTemperatureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerTemperatureUo mExt	

Associations

Association	Notes
From: LengthPerTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.151 LengthPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerTimeUom	

Associations

Association	Notes
From: LengthPerTimeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.152 LengthPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerTimeUomExt	

Associations

Association	Notes
From: LengthPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.153 LengthPerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerVolumeUom	

Associations

Association	Notes
From: LengthPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.154 LengthPerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LengthPerVolumeUomExt	

Associations

Association	Notes
From: LengthPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.155 LightExposureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LightExposureUom	

Associations

Association	Notes
From: LightExposureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.156 LightExposureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LightExposureUomExt	

Associations

Association	Notes
From: LightExposureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.157 LinearAccelerationMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LinearAccelerationUom	

Associations

Association	Notes
From: LinearAccelerationMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.158 LinearAccelerationMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LinearAccelerationUomExt	

Associations

Association	Notes
From: LinearAccelerationMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.159 LinearThermalExpansionMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LinearThermalExpansionUom	

Associations

Association	Notes
From: LinearThermalExpansionMeasure. To: AbstractMeasure <i>Generalization</i>	

10.160 LinearThermalExpansionMeasureExt

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LinearThermalExpansionUomExt	

Associations

Association	Notes
From: LinearThermalExpansionMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.161 LogarithmicPowerRatioMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LogarithmicPowerRatioUom	

Associations

Association	Notes
From: LogarithmicPowerRatioMeasure. To: AbstractMeasure <i>Generalization</i>	

10.162 LogarithmicPowerRatioMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LogarithmicPowerRatioUo mExt	

Associations

Association	Notes
From: LogarithmicPowerRatioMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.163 LogarithmicPowerRatioPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LogarithmicPowerRatioPerLengthUom	

Associations

Association	Notes
From: LogarithmicPowerRatioPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.164 LogarithmicPowerRatioPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LogarithmicPowerRatioPerLengthUomExt	

Associations

Association	Notes
From: LogarithmicPowerRatioPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.165 LuminanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminanceUom	

Associations

Association	Notes
From: LuminanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.166 LuminanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminanceUomExt	

Associations

Association	Notes
From: LuminanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.167 LuminousEfficacyMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousEfficacyUom	

Associations

Association	Notes
From: LuminousEfficacyMeasure. To: AbstractMeasure <i>Generalization</i>	

10.168 LuminousEfficacyMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousEfficacyUomExt	

Associations

Association	Notes
From: LuminousEfficacyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.169 LuminousFluxMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousFluxUom	

Associations

Association	Notes
From: LuminousFluxMeasure. To: AbstractMeasure <i>Generalization</i>	

10.170 LuminousFluxMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousFluxUomExt	

Associations

Association	Notes
From: LuminousFluxMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.171 LuminousIntensityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousIntensityUom	

Associations

Association	Notes
From: LuminousIntensityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.172 LuminousIntensityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	LuminousIntensityUomExt	

Associations

Association	Notes
From: LuminousIntensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.173 MagneticDipoleMomentMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticDipoleMomentUo m	

Associations

Association	Notes
From: MagneticDipoleMomentMeasure. To: AbstractMeasure <i>Generalization</i>	

10.174 MagneticDipoleMomentMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticDipoleMomentUo mExt	

Associations

Association	Notes
From: MagneticDipoleMomentMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.175 MagneticFieldStrengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFieldStrengthUo m	

Associations

Association	Notes
From: MagneticFieldStrengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.176 MagneticFieldStrengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFieldStrengthUo mExt	

Associations

Association	Notes
From: MagneticFieldStrengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.177 MagneticFluxDensityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxDensityUom	

Associations

Association	Notes
From: MagneticFluxDensityMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.178 MagneticFluxDensityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxDensityUom Ext	

Associations

Association	Notes
From: MagneticFluxDensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.179 MagneticFluxDensityPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxDensityPerLengthUom	

Associations

Association	Notes
From: MagneticFluxDensityPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.180 MagneticFluxDensityPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxDensityPerLengthUomExt	

Associations

Association	Notes
From: MagneticFluxDensityPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.181 MagneticFluxMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxUom	

Associations

Association	Notes
From: MagneticFluxMeasure. To: AbstractMeasure <i>Generalization</i>	

10.182 MagneticFluxMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticFluxUomExt	

Associations

Association	Notes
From: MagneticFluxMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.183 MagneticPermeabilityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticPermeabilityUom	

Associations

Association	Notes
From: MagneticPermeabilityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.184 MagneticPermeabilityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticPermeabilityUomExt	

Associations

Association	Notes
From: MagneticPermeabilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.185 MagneticVectorPotentialMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticVectorPotentialUom	

Associations

Association	Notes
From: MagneticVectorPotentialMeasure. To: AbstractMeasure <i>Generalization</i>	

10.186 MagneticVectorPotentialMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MagneticVectorPotentialUomExt	

Associations

Association	Notes
From: MagneticVectorPotentialMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.187 MassLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassLengthUom	

Associations

Association	Notes
From: MassLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.188 MassLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassLengthUomExt	

Associations

Association	Notes
From: MassLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.189 MassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassUom	

Associations

Association	Notes
From: MassMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.190 MassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassUomExt	

Associations

Association	Notes
From: MassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.191 MassPerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerAreaUom	

Associations

Association	Notes
From: MassPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.192 MassPerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerAreaUomExt	

Associations

Association	Notes
From: MassPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.193 MassPerEnergyMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerEnergyUom	

Associations

Association	Notes
From: MassPerEnergyMeasure. To: AbstractMeasure <i>Generalization</i>	

10.194 MassPerEnergyMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerEnergyUomExt	

Associations

Association	Notes
From: MassPerEnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.195 MassPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerLengthUom	

Associations

Association	Notes
From: MassPerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.196 MassPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerLengthUomExt	

Associations

Association	Notes
From: MassPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.197 MassPerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerMassUom	

Associations

Association	Notes
From: MassPerMassMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.198 MassPerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerMassUomExt	

Associations

Association	Notes
From: MassPerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.199 MassPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimeUom	

Associations

Association	Notes
From: MassPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.200 MassPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimeUomExt	

Associations

Association	Notes
From: MassPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.201 MassPerTimePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimePerAreaUom	

Associations

Association	Notes
From: MassPerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.202 MassPerTimePerAreaMeasureExt

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimePerAreaUomExt	

Associations

Association	Notes
From: MassPerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.203 MassPerTimePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimePerLengthUom	

Associations

Association	Notes
From: MassPerTimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.204 MassPerTimePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerTimePerLengthUomExt	

Associations

Association	Notes
From: MassPerTimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.205 MassPerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumeUom	

Associations

Association	Notes
From: MassPerVolumeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.206 MassPerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumeUomExt	

Associations

Association	Notes
From: MassPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.207 MassPerVolumePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerLengthUom	

Associations

Association	Notes
From: MassPerVolumePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.208 MassPerVolumePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerLength UomExt	

Associations

Association	Notes
From: MassPerVolumePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.209 MassPerVolumePerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerPressureUom	

Associations

Association	Notes
From: MassPerVolumePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.210 MassPerVolumePerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerPressureUomExt	

Associations

Association	Notes
From: MassPerVolumePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.211 MassPerVolumePerTemperatureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerTemperatureUom	

Associations

Association	Notes
From: MassPerVolumePerTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.212 MassPerVolumePerTemperatureMeasureExt

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	MassPerVolumePerTemperatureUomExt	

Associations

Association	Notes
From: MassPerVolumePerTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.213 MobilityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MobilityUom	

Associations

Association	Notes
From: MobilityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.214 MobilityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MobilityUomExt	

Associations

Association	Notes
From: MobilityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.215 MolarEnergyMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarEnergyUom	

Associations

Association	Notes
From: MolarEnergyMeasure. To: AbstractMeasure <i>Generalization</i>	

10.216 MolarEnergyMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarEnergyUomExt	

Associations

Association	Notes
From: MolarEnergyMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.217 MolarHeatCapacityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarHeatCapacityUom	

Associations

Association	Notes
From: MolarHeatCapacityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.218 MolarHeatCapacityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarHeatCapacityUomExt	

Associations

Association	Notes
From: MolarHeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.219 MolarVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarVolumeUom	

Associations

Association	Notes
From: MolarVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.220 MolarVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolarVolumeUomExt	

Associations

Association	Notes
From: MolarVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.221 MolecularWeightMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolecularWeightUom	

Associations

Association	Notes
From: MolecularWeightMeasure. To: AbstractMeasure <i>Generalization</i>	

10.222 MolecularWeightMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MolecularWeightUomExt	

Associations

Association	Notes
From: MolecularWeightMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.223 MomentOfForceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentOfForceUom	

Associations

Association	Notes
From: MomentOfForceMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.224 MomentOfForceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentOfForceUomExt	

Associations

Association	Notes
From: MomentOfForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.225 MomentOfInertiaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentOfInertiaUom	

Associations

Association	Notes
From: MomentOfInertiaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.226 MomentOfInertiaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentOfInertiaUomExt	

Associations

Association	Notes
From: MomentOfInertiaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.227 MomentumMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentumUom	

Associations

Association	Notes
From: MomentumMeasure. To: AbstractMeasure <i>Generalization</i>	

10.228 MomentumMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	MomentumUomExt	

Associations

Association	Notes
From: MomentumMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.229 NormalizedPowerMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	NormalizedPowerUom	

Associations

Association	Notes
From: NormalizedPowerMeasure. To: AbstractMeasure <i>Generalization</i>	

10.230 NormalizedPowerMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	NormalizedPowerUomExt	

Associations

Association	Notes
From: NormalizedPowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.231 PermeabilityLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermeabilityLengthUom	

Associations

Association	Notes
From: PermeabilityLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.232 PermeabilityLengthMeasureExt

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermeabilityLengthUomExt	

Associations

Association	Notes
From: PermeabilityLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.233 PermeabilityRockMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermeabilityRockUom	

Associations

Association	Notes
From: PermeabilityRockMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.234 PermeabilityRockMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermeabilityRockUomExt	

Associations

Association	Notes
From: PermeabilityRockMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.235 PermittivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermittivityUom	

Associations

Association	Notes
From: PermittivityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.236 PermittivityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PermittivityUomExt	

Associations

Association	Notes
From: PermittivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.237 PlaneAngleMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PlaneAngleUom	

Associations

Association	Notes
From: PlaneAngleMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.238 PlaneAngleMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PlaneAngleUomExt	

Associations

Association	Notes
From: PlaneAngleMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.239 PotentialDifferencePerPowerDropMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PotentialDifferencePerPowerDropUom	

Associations

Association	Notes
From: PotentialDifferencePerPowerDropMeasure. To: AbstractMeasure <i>Generalization</i>	

10.240 PotentialDifferencePerPowerDropMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PotentialDifferencePerPowerDropUomExt	

Associations

Association	Notes
From: PotentialDifferencePerPowerDropMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.241 PowerMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerUom	

Associations

Association	Notes
From: PowerMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.242 PowerMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerUomExt	

Associations

Association	Notes
From: PowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.243 PowerPerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerAreaUom	

Associations

Association	Notes
From: PowerPerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.244 PowerPerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerAreaUomExt	

Associations

Association	Notes
From: PowerPerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.245 PowerPerPowerMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerPowerUom	

Associations

Association	Notes
From: PowerPerPowerMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.246 PowerPerPowerMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerPowerUomExt	

Associations

Association	Notes
From: PowerPerPowerMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.247 PowerPerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerVolumeUom	

Associations

Association	Notes
From: PowerPerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.248 PowerPerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PowerPerVolumeUomExt	

Associations

Association	Notes
From: PowerPerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.249 PressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureUom	

Associations

Association	Notes
From: PressureMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.250 PressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureUomExt	

Associations

Association	Notes
From: PressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	
From: SaturationPressure. To: PressureMeasureExt <i>Generalization</i>	

10.251 PressurePerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerPressureUom	

Associations

Association	Notes
From: PressurePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.252 PressurePerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerPressureUomExt	

Associations

Association	Notes
From: PressurePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.253 PressurePerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerTimeUom	

Associations

Association	Notes
From: PressurePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.254 PressurePerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerTimeUomExt	

Associations

Association	Notes
From: PressurePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.255 PressurePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerVolumeUom	

Associations

Association	Notes
From: PressurePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.256 PressurePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressurePerVolumeUomExt	

Associations

Association	Notes
From: PressurePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.257 PressureSquaredMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureSquaredUom	

Associations

Association	Notes
From: PressureSquaredMeasure. To: AbstractMeasure <i>Generalization</i>	

10.258 PressureSquaredMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureSquaredUomExt	

Associations

Association	Notes
From: PressureSquaredMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.259 PressureSquaredPerForceTimePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureSquaredPerForceTimePerAreaUom	

Associations

Association	Notes
From: PressureSquaredPerForceTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.260 PressureSquaredPerForceTimePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureSquaredPerForce TimePerAreaUomExt	

Associations

Association	Notes
From: PressureSquaredPerForceTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.261 PressureTimePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureTimePerVolumeUom	

Associations

Association	Notes
From: PressureTimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.262 PressureTimePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	PressureTimePerVolumeUomExt	

Associations

Association	Notes
From: PressureTimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.263 QuantityOfLightMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	QuantityOfLightUom	

Associations

Association	Notes
From: QuantityOfLightMeasure. To: AbstractMeasure <i>Generalization</i>	

10.264 QuantityOfLightMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	QuantityOfLightUomExt	

Associations

Association	Notes
From: QuantityOfLightMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.265 RadianceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	RadianceUom	

Associations

Association	Notes
From: RadianceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.266 RadianceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	RadianceUomExt	

Associations

Association	Notes
From: RadianceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.267 RadiantIntensityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	RadiantIntensityUom	

Associations

Association	Notes
From: RadiantIntensityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.268 RadiantIntensityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	RadiantIntensityUomExt	

Associations

Association	Notes
From: RadiantIntensityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.269 ReciprocalAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalAreaUom	

Associations

Association	Notes
From: ReciprocalAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.270 ReciprocalAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalAreaUomExt	

Associations

Association	Notes
From: ReciprocalAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.271 ReciprocalElectricPotentialDifferenceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalElectricPotentialDifferenceUom	

Associations

Association	Notes
From: ReciprocalElectricPotentialDifferenceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.272 ReciprocalElectricPotentialDifferenceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalElectricPotentialDifferenceUomExt	

Associations

Association	Notes
From: ReciprocalElectricPotentialDifferenceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.273 ReciprocalForceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalForceUom	

Associations

Association	Notes
From: ReciprocalForceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.274 ReciprocalForceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalForceUomExt	

Associations

Association	Notes
From: ReciprocalForceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.275 ReciprocalLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalLengthUom	

Associations

Association	Notes
From: ReciprocalLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.276 ReciprocalLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalLengthUomExt	

Associations

Association	Notes
From: ReciprocalLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.277 ReciprocalMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalMassUom	

Associations

Association	Notes
From: ReciprocalMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.278 ReciprocalMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalMassUomExt	

Associations

Association	Notes
From: ReciprocalMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.279 ReciprocalMassTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalMassTimeUom	

Associations

Association	Notes
From: ReciprocalMassTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.280 ReciprocalMassTimeMeasureExt

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalMassTimeUomExt	

Associations

Association	Notes
From: ReciprocalMassTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.281 ReciprocalPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalPressureUom	

Associations

Association	Notes
1..1 From: ReciprocalPressureMeasure. To: AbstractMeasure Generalization	
From: OilCompressibility. To: ReciprocalPressureMeasure Generalization	

10.282 ReciprocalPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalPressureUomExt	

Associations

Association	Notes
From: ReciprocalPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.283 ReciprocalTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalTimeUom	

Associations

Association	Notes
From: ReciprocalTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.284 ReciprocalTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalTimeUomExt	

Associations

Association	Notes
From: ReciprocalTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.285 ReciprocalVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalVolumeUom	

Associations

Association	Notes
From: ReciprocalVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.286 ReciprocalVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReciprocalVolumeUomExt	

Associations

Association	Notes
From: ReciprocalVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.287 ReluctanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReluctanceUom	

Associations

Association	Notes
From: ReluctanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.288 ReluctanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ReluctanceUomExt	

Associations

Association	Notes
From: ReluctanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.289 SecondMomentOfAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SecondMomentOfAreaUo m	

Associations

Association	Notes
From: SecondMomentOfAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.290 SecondMomentOfAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SecondMomentOfAreaUo mExt	

Associations

Association	Notes
From: SecondMomentOfAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.291 SignalingEventPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SignalingEventPerTimeUo m	

Associations

Association	Notes
From: SignalingEventPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.292 SignalingEventPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SignalingEventPerTimeUo mExt	

Associations

Association	Notes
From: SignalingEventPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.293 SolidAngleMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SolidAngleUom	

Associations

Association	Notes
From: SolidAngleMeasure. To: AbstractMeasure <i>Generalization</i>	

10.294 SolidAngleMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SolidAngleUomExt	

Associations

Association	Notes
From: SolidAngleMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.295 SpecificHeatCapacityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SpecificHeatCapacityUom	

Associations

Association	Notes
From: SpecificHeatCapacityMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.296 SpecificHeatCapacityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	SpecificHeatCapacityUomExt	

Associations

Association	Notes
From: SpecificHeatCapacityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.297 TemperatureIntervalMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalUom	

Associations

Association	Notes
From: TemperatureIntervalMeasure. To: AbstractMeasure <i>Generalization</i>	

10.298 TemperatureIntervalMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalUomExt	

Associations

Association	Notes
From: TemperatureIntervalMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.299 TemperatureIntervalPerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerLengthUom	

Associations

Association	Notes
From: TemperatureIntervalPerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.300 TemperatureIntervalPerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerLengthUomExt	

Associations

Association	Notes
From: TemperatureIntervalPerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.301 TemperatureIntervalPerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerPressureUom	

Associations

Association	Notes
From: TemperatureIntervalPerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.302 TemperatureIntervalPerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerPressureUomExt	

Associations

Association	Notes
From: TemperatureIntervalPerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.303 TemperatureIntervalPerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerTi meUom	

Associations

Association	Notes
From: TemperatureIntervalPerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.304 TemperatureIntervalPerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TemperatureIntervalPerTi meUomExt	

Associations

Association	Notes
From: TemperatureIntervalPerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.305 ThermalConductanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalConductanceUom	

Associations

Association	Notes
From: ThermalConductanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.306 ThermalConductanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalConductanceUomExt	

Associations

Association	Notes
From: ThermalConductanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.307 ThermalConductivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalConductivityUom	

Associations

Association	Notes
From: ThermalConductivityMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.308 ThermalConductivityMeasureExt

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalConductivityUomExt	

Associations

Association	Notes
From: ThermalConductivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.309 ThermalDiffusivityMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalDiffusivityUom	

Associations

Association	Notes
From: ThermalDiffusivityMeasure. To: AbstractMeasure <i>Generalization</i>	

10.310 ThermalDiffusivityMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalDiffusivityUomExt	

Associations

Association	Notes
From: ThermalDiffusivityMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.311 ThermallInsulanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermallInsulanceUom	

Associations

Association	Notes
From: ThermallInsulanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.312 ThermallInsulanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermallInsulanceUomExt	

Associations

Association	Notes
From: ThermallInsulanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.313 ThermalResistanceMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalResistanceUom	

Associations

Association	Notes
From: ThermalResistanceMeasure. To: AbstractMeasure <i>Generalization</i>	

10.314 ThermalResistanceMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermalResistanceUomExt	

Associations

Association	Notes
From: ThermalResistanceMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.315 ThermodynamicTemperatureMeasure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermodynamicTemperatureUom	

Associations

Association	Notes
1..1 From: ThermodynamicTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	
From: SaturationTemperature. To: ThermodynamicTemperatureMeasure <i>Generalization</i>	

10.316 ThermodynamicTemperatureMeasureExt

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermodynamicTemperat ureUomExt	

Associations

Association	Notes
From: ThermodynamicTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.317 ThermodynamicTemperaturePerThermodynamicTemperatureMeasure

Type: Class **Stereotype:** «XSDcomplexType»
Detail: Created: 8/4/2016 Last modified: 10/26/2016
Notes:

Attributes

Name	Type	Notes
uom	ThermodynamicTemperaturePerThermodynamicTemperatureUom	

Associations

Association	Notes
From: ThermodynamicTemperaturePerThermodynamicTemperatureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.318 ThermodynamicTemperaturePerThermodynamicTemperatureMeasureExt

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	ThermodynamicTemperaturePerThermodynamicTemperatureMeasureUomExt	

Associations

Association	Notes
From: ThermodynamicTemperaturePerThermodynamicTemperatureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.319 TimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimeUom	

Associations

Association	Notes
From: TimeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.320 TimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimeUomExt	

Associations

Association	Notes
From: TimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.321 TimePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerLengthUom	

Associations

Association	Notes
From: TimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.322 TimePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerLengthUomExt	

Associations

Association	Notes
From: TimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.323 TimePerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerMassUom	

Associations

Association	Notes
From: TimePerMassMeasure. To: AbstractMeasure <i>Generalization</i>	

10.324 TimePerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerMassUomExt	

Associations

Association	Notes
From: TimePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.325 TimePerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerTimeUom	

Associations

Association	Notes
From: TimePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.326 TimePerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerTimeUomExt	

Associations

Association	Notes
From: TimePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.327 TimePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerVolumeUom	

Associations

Association	Notes
From: TimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.328 TimePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	TimePerVolumeUomExt	

Associations

Association	Notes
From: TimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.329 VerticalCoordinateMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	VerticalCoordinateUom	

Associations

Association	Notes
From: VerticalCoordinateMeasure. To: AbstractMeasure <i>Generalization</i>	

10.330 VerticalCoordinateMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
uom	VerticalCoordinateUomExt	

Associations

Association	Notes
From: VerticalCoordinateMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.331 VolumeFlowRatePerVolumeFlowRateMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumeFlowRatePerVolumeFlowRateUom	

Associations

Association	Notes
From: VolumeFlowRatePerVolumeFlowRateMeasure. To: AbstractMeasure <i>Generalization</i>	

10.332 VolumeFlowRatePerVolumeFlowRateMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumeFlowRatePerVolumeFlowRateUomExt	

Associations

Association	Notes
From: VolumeFlowRatePerVolumeFlowRateMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.333 VolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumeUom	

Associations

Association	Notes
1..1 From: VolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: LostVolumeAndReason. To: VolumeMeasure <i>Generalization</i>	
From: VolumeQualifiedMeasure. To: VolumeMeasure <i>Generalization</i>	

10.334 VolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumeUomExt	

Associations

Association	Notes
From: VolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.335 VolumePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerAreaUom	

Associations

Association	Notes
From: VolumePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.336 VolumePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerAreaUomExt	

Associations

Association	Notes
From: VolumePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.337 VolumePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerLengthUom	

Associations

Association	Notes
From: VolumePerLengthMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.338 VolumePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerLengthUomExt	

Associations

Association	Notes
From: VolumePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.339 VolumePerMassMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerMassUom	

Associations

Association	Notes
From: VolumePerMassMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	

10.340 VolumePerMassMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerMassUomExt	

Associations

Association	Notes
From: VolumePerMassMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.341 VolumePerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerPressureUom	

Associations

Association	Notes
From: VolumePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.342 VolumePerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerPressureUomExt	

Associations

Association	Notes
From: VolumePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.343 VolumePerRotationMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerRotationUom	

Associations

Association	Notes
From: VolumePerRotationMeasure. To: AbstractMeasure <i>Generalization</i>	

10.344 VolumePerRotationMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerRotationUomExt	

Associations

Association	Notes
From: VolumePerRotationMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.345 VolumePerTimeLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimeLengthUo m	

Associations

Association	Notes
From: VolumePerTimeLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.346 VolumePerTimeLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimeLengthUomExt	

Associations

Association	Notes
From: VolumePerTimeLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.347 VolumePerTimeMeasure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimeUom	

Associations

Association	Notes
From: VolumePerTimeMeasure. 1..1 To: AbstractMeasure <i>Generalization</i>	
From: VolumeFlowRateQualifiedMeasure. To: VolumePerTimeMeasure <i>Generalization</i>	

10.348 VolumePerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimeUomExt	

Associations

Association	Notes
From: VolumePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.349 VolumePerTimePerAreaMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerAreaUom	

Associations

Association	Notes
From: VolumePerTimePerAreaMeasure. To: AbstractMeasure <i>Generalization</i>	

10.350 VolumePerTimePerAreaMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerAreaUomExt	

Associations

Association	Notes
From: VolumePerTimePerAreaMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.351 VolumePerTimePerLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerLengthUom	

Associations

Association	Notes
From: VolumePerTimePerLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.352 VolumePerTimePerLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerLength UomExt	

Associations

Association	Notes
From: VolumePerTimePerLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.353 VolumePerTimePerPressureLengthMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerPressureLengthUom	

Associations

Association	Notes
From: VolumePerTimePerPressureLengthMeasure. To: AbstractMeasure <i>Generalization</i>	

10.354 VolumePerTimePerPressureLengthMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerPressureLengthUomExt	

Associations

Association	Notes
From: VolumePerTimePerPressureLengthMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.355 VolumePerTimePerPressureMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerPressureUom	

Associations

Association	Notes
From: VolumePerTimePerPressureMeasure. To: AbstractMeasure <i>Generalization</i>	

10.356 VolumePerTimePerPressureMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerPressureUomExt	

Associations

Association	Notes
From: VolumePerTimePerPressureMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.357 VolumePerTimePerTimeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerTimeUom	

Associations

Association	Notes
From: VolumePerTimePerTimeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.358 VolumePerTimePerTimeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerTimeUomExt	

Associations

Association	Notes
From: VolumePerTimePerTimeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.359 VolumePerTimePerVolumeMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerVolumeMeasureUom	

Associations

Association	Notes
From: VolumePerTimePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	

10.360 VolumePerTimePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerTimePerVolumeUomExt	

Associations

Association	Notes
From: VolumePerTimePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.361 VolumePerVolumeMeasure

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerVolumeUom	

Associations

Association	Notes
1..1 From: VolumePerVolumeMeasure. To: AbstractMeasure <i>Generalization</i>	
From: RelativeVolumeRatio. To: VolumePerVolumeMeasure <i>Generalization</i>	

10.362 VolumePerVolumeMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumePerVolumeUomExt	

Associations

Association	Notes
From: VolumePerVolumeMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.363 VolumetricHeatTransferCoefficientMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/8/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumetricHeatTransferCoefficientUom	

Associations

Association	Notes
From: VolumetricHeatTransferCoefficientMeasure. To: AbstractMeasure <i>Generalization</i>	

10.364 VolumetricHeatTransferCoefficientMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumetricHeatTransferCoefficientUomExt	

Associations

Association	Notes
From: VolumetricHeatTransferCoefficientMeasureExt. To: AbstractMeasure <i>Generalization</i>	

10.365 VolumetricThermalExpansionMeasure

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumetricThermalExpansionUom	

Associations

Association	Notes
1..1 From: VolumetricThermalExpansionMeasure. To: AbstractMeasure <i>Generalization</i>	

10.366 VolumetricThermalExpansionMeasureExt

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
uom	VolumetricThermalExpansionUomExt	

Associations

Association	Notes
From: VolumetricThermalExpansionMeasureExt. To: AbstractMeasure <i>Generalization</i>	

11 ObjectReference

Package: xsd_schemas

Notes: This package contains the types and elements to allow an EnergyML Data Object to refer to another EnergyML Data Object (i.e. External References).

11.1 DataObjectReference

Type: Class **Stereotype:** «XSDcomplexType»
Detail: Created: 4/30/2014 Last modified: 11/10/2016
Notes: It only applies for Energistics data object.

Attributes

Name	Type	Notes
ContentType	String2000	The content type of the referenced element.
Title	String2000	The Title of the referenced object. The Title of a top level element would be inherited from AbstractObject and must be present on any referenced object.
Uri	anyURI	This is the URI of a referenced object. Do not use this to store the path and file names of an external object - that is done through the External Dataset machinery. This element is intended for use with the Energistics Transfer Protocol.
Uuid	UuidString	Reference to an object using its global UID.
UuidAuthority	String64	The authority that issued and maintains the uid of the referenced object. Used mainly in alias context.
VersionString	String64	Indicates the version of the object which is referenced.

Associations

Association	Notes
0..* From: Risk.ObjectReference To: DataObjectReference <i>Association</i>	A reference to an object that is defined within the context of a wellbore.
0..1 From: ContactElementReference. To: DataObjectReference <i>Generalization</i>	
1 From: FiberFacilityWell.WellboreReference To: DataObjectReference <i>Association</i>	
0..1 From: WftRun.WellboreReference To: DataObjectReference <i>Association</i>	
0..1 From: WellTest.WellReference To: DataObjectReference <i>Association</i>	
1 From: AbstractGraphicalInformation.TargetObject To: DataObjectReference <i>Association</i>	
From: WellDatum.Wellbore	

Association	Notes
0..1 To: DataObjectReference <i>Association</i>	
From: WellDatum.Rig 0..1 To: DataObjectReference <i>Association</i>	
1..1 From: MemberObject.ObjectReference To: DataObjectReference <i>Association</i>	A reference to an object that is defined within the context of the specified wellbore.
From: DataAssuranceRecord.ReferencedData To: DataObjectReference <i>Association</i>	This holds a GUID which is a reference to the data object whose conformance with the policy is being assessed.

11.2 EpcExternalPartReference

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 4/30/2014 Last modified: 10/26/2016

Notes: It defines a proxy for external part of the EPC package. It must be used at least for external HDF parts.

Each EpcExternalPartReference represents a single operating system file

Attributes

Name	Type	Notes
Filename	String2000	
MimeType	String2000	IAMF registered, if one exists, or a free text field. Needs documentation on seismic especially. MIME type for HDF proxy is : application/x-hdf5 (by convention).

Associations

Association	Notes
From: EpcExternalPartReference. To: AbstractObject <i>Generalization</i>	
From: ExternalDatasetPart. To: EpcExternalPartReference <i>Association</i>	

11.3 ExternalDataset

Type: Class *Stereotype:* «XSDcomplexType»
Detail: Created: 4/30/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
1..* From: ExternalDataset.ExternalFileProxy To: ExternalDatasetPart <i>Association</i>	There can be many ExternalFileProxy instances, to allow a dataset to span multiple operating system files

11.4 ExternalDatasetPart

Type: Class *Stereotype:* «XSDcomplexType»

Detail: Created: 9/1/2015 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Count	PositiveLong	
PathInExternalFile	String2000	<p>A string which is meaningful to the API which will store and retrieve data from the external file.</p> <p>For an HDF file this is the path of the referenced dataset in the external file. The separator between groups and final dataset is a slash '/' in an hdf file.</p> <p>For a LAS file this could be the list of mnemonics in the ~A block.</p> <p>For a SEG-Y file this could be a list of trace headers.</p>
StartIndex	NonNegativeLong	

Associations

Association	Notes
From: ExternalDatasetPart. To: EpcExternalPartReference <i>Association</i>	
From: DasExternalDatasetPart. To: ExternalDatasetPart <i>Generalization</i>	
From: ExternalDataset.ExternalFileProxy To: ExternalDatasetPart <i>Association</i>	There can be many ExternalFileProxy instances, to allow a dataset to span multiple operating system files

12 QuantityClass

Package: xsd_schemas

Notes: This file defines a set of standard POSC units of measure for various quantity classes. This units list captures information contained in the POSC units dictionary at <http://www.posc.org/refs/poscUnits20.xml>. The enumerated lists do not contain any deprecated units.

12.1 AbsorbedDoseUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cGy		centigray
crd		hundredth of rad
dGy		decigray
drd		tenth of rad
EGy		exagray
Erd		million million million rad
fGy		femtogram
frd		femtorad
GGy		gigagram
Grd		thousand million rad
Gy		gray
kGy		kilogray
krd		thousand rad
mGy		milligray
MGy		megagram
Mrd		million rad
mrd		thousandth of rad
nGy		nanogram
nrd		nanorad
pGy		picogram
prd		picorad
rd		rad
TGy		teragram
Trd		million million rad
uGy		microgram
urd		millionth of rad

Associations

Association	Notes
From: AbsorbedDoseUom. To: UomEnum <i>Generalization</i>	

Association	Notes
<p>From: AbsorbedDoseUomExt. To: AbsorbedDoseUom <i>Generalization</i></p>	

12.2 AbsorbedDoseUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AbsorbedDoseUomExt. To: AbsorbedDoseUom <i>Generalization</i>	
From: AbsorbedDoseUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.3 ActivityOfRadioactivityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Bq		becquerel
Ci		curie
GBq		gigabecquerel
MBq		megabecquerel
mCi		thousandth of curie
nCi		nanocurie
pCi		picocurie
TBq		terabecquerel
uCi		millionth of curie

Associations

Association	Notes
From: ActivityOfRadioactivityUom. To: UomEnum <i>Generalization</i>	
From: ActivityOfRadioactivityUomExt. To: ActivityOfRadioactivityUom <i>Generalization</i>	

12.4 ActivityOfRadioactivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ActivityOfRadioactivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ActivityOfRadioactivityUomExt. To: ActivityOfRadioactivityUom <i>Generalization</i>	

12.5 AmountOfSubstancePerAmountOfSubstanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
%[molar]		percent [molar basis]
Euc		euclid
mol/mol		mole per mole
nEuc		nanoeuclid
ppk		part per thousand
ppm		part per million

Associations

Association	Notes
From: AmountOfSubstancePerAmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceUomExt. To: AmountOfSubstancePerAmountOfSubstanceUom <i>Generalization</i>	

12.6 AmountOfSubstancePerAmountOfSubstanceUomExt

Type: Class **Stereotype:** «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstancePerAmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerAmountOfSubstanceUomExt. To: AmountOfSubstancePerAmountOfSubstanceUom <i>Generalization</i>	

12.7 AmountOfSubstancePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
mol/m ²		gram-mole per square metre

Associations

Association	Notes
From: AmountOfSubstancePerAreaUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerAreaUomExt. To: AmountOfSubstancePerAreaUom <i>Generalization</i>	

12.8 AmountOfSubstancePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstancePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstancePerAreaUomExt. To: AmountOfSubstancePerAreaUom <i>Generalization</i>	

12.9 AmountOfSubstancePerTimePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
lbmol/(h.ft ²)		pound-mass-mole per hour square foot
lbmol/(s.ft ²)		pound-mass-mole per second square foot
mol/(s.m ²)		gram-mole per second square metre

Associations

Association	Notes
From: AmountOfSubstancePerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaUomExt. To: AmountOfSubstancePerTimePerAreaUom <i>Generalization</i>	

12.10 AmountOfSubstancePerTimePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstancePerTimePerAreaUomExt. To: AmountOfSubstancePerTimePerAreaUom <i>Generalization</i>	
From: AmountOfSubstancePerTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.11 AmountOfSubstancePerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kat		katal
kmol/h		kilogram-mole per hour
kmol/s		kilogram-mole per second
lbmol/h		pound-mass-mole per hour
lbmol/s		pound-mass-mole per second
mol/s		gram-mole per second

Associations

Association	Notes
From: AmountOfSubstancePerTimeUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerTimeUomExt. To: AmountOfSubstancePerTimeUom <i>Generalization</i>	

12.12 AmountOfSubstancePerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstancePerTimeUomExt. To: AmountOfSubstancePerTimeUom <i>Generalization</i>	
From: AmountOfSubstancePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.13 AmountOfSubstancePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kmol/m3		kilogram-mole per cubic metre
lbmol/ft3		pound-mass-mole per cubic foot
lbmol/gal[UK]		pound-mass-mole per UK gallon
lbmol/gal[US]		pound-mass-mole per US gallon
mol/m3		gram-mole per cubic metre

Associations

Association	Notes
From: AmountOfSubstancePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstancePerVolumeUomExt. To: AmountOfSubstancePerVolumeUom <i>Generalization</i>	

12.14 AmountOfSubstancePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstancePerVolumeUomExt. To: AmountOfSubstancePerVolumeUom <i>Generalization</i>	
From: AmountOfSubstancePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.15 AmountOfSubstanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kmol		kilogram-mole
lbmol		pound-mass-mole
mmol		milligram-mole
mol		gram-mole
umol		microgram-mole

Associations

Association	Notes
From: AmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: AmountOfSubstanceUomExt. To: AmountOfSubstanceUom <i>Generalization</i>	

12.16 AmountOfSubstanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AmountOfSubstanceUomExt. To: AmountOfSubstanceUom <i>Generalization</i>	

12.17 AnglePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 dega/ft		angular degree per hundred foot
1/30 dega/ft		angular degree per thirty foot
1/30 dega/m		angular degree per thirty metre
dega/ft		angular degree per foot
dega/m		angular degree per metre
rad/ft		radian per foot
rad/m		radian per metre
rev/ft		revolution per foot
rev/m		revolution per metre

Associations

Association	Notes
From: AnglePerLengthUom. To: UomEnum <i>Generalization</i>	
From: AnglePerLengthUomExt. To: AnglePerLengthUom <i>Generalization</i>	

12.18 AnglePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AnglePerLengthUomExt. To: AnglePerLengthUom <i>Generalization</i>	
From: AnglePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.19 AnglePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
rad/ft ³		radian per cubic foot
rad/m ³		radian per cubic metre

Associations

Association	Notes
From: AnglePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: AnglePerVolumeUomExt. To: AnglePerVolumeUom <i>Generalization</i>	

12.20 AnglePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AnglePerVolumeUomExt. To: AnglePerVolumeUom <i>Generalization</i>	
From: AnglePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.21 AngularAccelerationUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
rad/s2		radian per second squared
rpm/s		(revolution per minute) per second

Associations

Association	Notes
From: AngularAccelerationUom. To: UomEnum <i>Generalization</i>	
From: AngularAccelerationUomExt. To: AngularAccelerationUom <i>Generalization</i>	

12.22 AngularAccelerationUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AngularAccelerationUomExt. To: AngularAccelerationUom <i>Generalization</i>	
From: AngularAccelerationUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.23 AngularVelocityUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dega/h		angular degree per hour
dega/min		angular degree per minute
dega/s		angular degree per second
rad/s		radian per second
rev/s		revolution per second
rpm		revolution per minute

Associations

Association	Notes
From: AngularVelocityUom. To: UomEnum <i>Generalization</i>	
From: AngularVelocityUomExt. To: AngularVelocityUom <i>Generalization</i>	

12.24 AngularVelocityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AngularVelocityUomExt. To: AngularVelocityUom <i>Generalization</i>	
From: AngularVelocityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.25 APIGammaRayUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
gAPI		API gamma ray unit

Associations

Association	Notes
From: APIGammaRayUom. To: UomEnum <i>Generalization</i>	
From: APIGammaRayUomExt. To: APIGammaRayUom <i>Generalization</i>	

12.26 APIGammaRayUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: APIGammaRayUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: APIGammaRayUomExt. To: APIGammaRayUom <i>Generalization</i>	

12.27 APIGravityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dAPI		API gravity unit

Associations

Association	Notes
From: APIGravityUom. To: UomEnum <i>Generalization</i>	
From: APIGravityUomExt. To: APIGravityUom <i>Generalization</i>	

12.28 APIGravityUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: APIGravityUomExt. To: APIGravityUom <i>Generalization</i>	
From: APIGravityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.29 APINeutronUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
nAPI		API neutron unit

Associations

Association	Notes
From: APINeutronUom. To: UomEnum <i>Generalization</i>	
From: APINeutronUomExt. To: APINeutronUom <i>Generalization</i>	

12.30 APINeutronUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/5/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: APINeutronUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: APINeutronUomExt. To: APINeutronUom <i>Generalization</i>	

12.31 AreaPerAmountOfSubstanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
m ² /mol		square metre per gram-mole

Associations

Association	Notes
From: AreaPerAmountOfSubstanceUom. To: UomEnum <i>Generalization</i>	
From: AreaPerAmountOfSubstanceUomExt. To: AreaPerAmountOfSubstanceUom <i>Generalization</i>	

12.32 AreaPerAmountOfSubstanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerAmountOfSubstanceUomExt. To: AreaPerAmountOfSubstanceUom <i>Generalization</i>	
From: AreaPerAmountOfSubstanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.33 AreaPerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
%[area]		percent [area basis]
cEuc		centieuclid
Euc		euclid
in2/ft2		square inch per square foot
in2/in2		square inch per square inch
m2/m2		square metre per square metre
mm2/mm2		square millimetre per square millimetre

Associations

Association	Notes
From: AreaPerAreaUom. To: UomEnum <i>Generalization</i>	
From: AreaPerAreaUomExt. To: AreaPerAreaUom <i>Generalization</i>	

12.34 AreaPerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerAreaUomExt. To: AreaPerAreaUom <i>Generalization</i>	
From: AreaPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.35 AreaPerCountUom

Type: Enumeration *Stereotype:*

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
b/electron		

Associations

Association	Notes
From: AreaPerCountUomExt. To: AreaPerCountUom <i>Generalization</i>	

12.36 AreaPerCountUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerCountUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerCountUomExt. To: AreaPerCountUom <i>Generalization</i>	

12.37 AreaPerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm ² /g		square centimetre per gram
ft ² /lbm		square foot per pound-mass
m ² /g		square metre per gram
m ² /kg		square metre per kilogram

Associations

Association	Notes
From: AreaPerMassUom. To: UomEnum <i>Generalization</i>	
From: AreaPerMassUomExt. To: AreaPerMassUom <i>Generalization</i>	

12.38 AreaPerMassUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerMassUomExt. To: AreaPerMassUom <i>Generalization</i>	
From: AreaPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.39 AreaPerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm ² /s		square centimetre per second
ft ² /h		square foot per hour
ft ² /s		square foot per second
in ² /s		square inch per second
m ² /d		square metre per day
m ² /h		square metre per hour
m ² /s		square metre per second
mm ² /s		square millimetre per second

Associations

Association	Notes
From: AreaPerTimeUom. To: UomEnum <i>Generalization</i>	
From: AreaPerTimeUomExt. To: AreaPerTimeUom <i>Generalization</i>	

12.40 AreaPerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerTimeUomExt. To: AreaPerTimeUom <i>Generalization</i>	
From: AreaPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.41 AreaPerVolumeUom

Type: Enumeration **Stereotype:**

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/m		per metre
b/cm3		barn per cubic centimetre
cu		capture unit
ft2/in3		square foot per cubic inch
m2/cm3		square metre per cubic centimetre
m2/m3		square metre per cubic metre

Associations

Association	Notes
From: AreaPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: AreaPerVolumeUomExt. To: AreaPerVolumeUom <i>Generalization</i>	

12.42 AreaPerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaPerVolumeUomExt. To: AreaPerVolumeUom <i>Generalization</i>	

12.43 AreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
acre		acre
b		barn
cm2		square centimetre
ft2		square foot
ha		hectare
in2		square inch
km2		square kilometre
m2		square metre
mi[US]2		square US survey mile
mi2		square mile
mm2		square millimetre
section		section
um2		square micrometre
yd2		square yard

Associations

Association	Notes
From: AreaUom. To: UomEnum <i>Generalization</i>	
From: AreaUomExt. To: AreaUom <i>Generalization</i>	

12.44 AreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AreaUomExt. To: AreaUom <i>Generalization</i>	

12.45 AttenuationPerFrequencyIntervalUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
B/O		bel per octave
dB/O		decibel per octave

Associations

Association	Notes
From: AttenuationPerFrequencyIntervalUom. To: UomEnum <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalUomExt. To: AttenuationPerFrequencyIntervalUom <i>Generalization</i>	

12.46 AttenuationPerFrequencyIntervalUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AttenuationPerFrequencyIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: AttenuationPerFrequencyIntervalUomExt. To: AttenuationPerFrequencyIntervalUom <i>Generalization</i>	

12.47 CapacitanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cF		centifarad
dF		decifarad
EF		exafarad
F		farad
fF		femtofarad
GF		gigafarad
kF		kilofarad
mF		millifarad
MF		megafarad
nF		nanofarad
pF		picofarad
TF		terafarad
uF		microfarad

Associations

Association	Notes
From: CapacitanceUom. To: UomEnum <i>Generalization</i>	
From: CapacitanceUomExt. To: CapacitanceUom <i>Generalization</i>	

12.48 CapacitanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: CapacitanceUomExt. To: CapacitanceUom <i>Generalization</i>	
From: CapacitanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.49 CationExchangeCapacityUom

Type: Enumeration *Stereotype:*

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
.01 meq/g		

Associations

Association	Notes
From: CationExchangeCapacityUomExt. To: CationExchangeCapacityUom <i>Generalization</i>	

12.50 CationExchangeCapacityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 9/20/2016 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: CationExchangeCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: CationExchangeCapacityUomExt. To: CationExchangeCapacityUom <i>Generalization</i>	

12.51 DataTransferSpeedUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bit/s		bit per second
byte/s		byte per second

Associations

Association	Notes
From: DataTransferSpeedUom. To: UomEnum <i>Generalization</i>	
From: DataTransferSpeedUomExt. To: DataTransferSpeedUom <i>Generalization</i>	

12.52 DataTransferSpeedUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DataTransferSpeedUomExt. To: DataTransferSpeedUom <i>Generalization</i>	
From: DataTransferSpeedUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.53 DiffusionCoefficientUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
m ² /s		square metre per second

Associations

Association	Notes
From: DiffusionCoefficientUom. To: UomEnum <i>Generalization</i>	
From: DiffusionCoefficientUomExt. To: DiffusionCoefficientUom <i>Generalization</i>	

12.54 DiffusionCoefficientUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DiffusionCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DiffusionCoefficientUomExt. To: DiffusionCoefficientUom <i>Generalization</i>	

12.55 DiffusiveTimeOfFlightUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
h(0.5)		
s(0.5)		square root of second

Associations

Association	Notes
From: DiffusiveTimeOfFlightUom. To: UomEnum <i>Generalization</i>	
From: DiffusiveTimeOfFlightUomExt. To: DiffusiveTimeOfFlightUom <i>Generalization</i>	

12.56 DiffusiveTimeOfFlightUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DiffusiveTimeOfFlightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DiffusiveTimeOfFlightUomExt. To: DiffusiveTimeOfFlightUom <i>Generalization</i>	

12.57 DigitalStorageUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bit		bit
byte		byte
Kibyte		kibibyte
Mibyte		mebibyte

Associations

Association	Notes
From: DigitalStorageUom. To: UomEnum <i>Generalization</i>	
From: DigitalStorageUomExt. To: DigitalStorageUom <i>Generalization</i>	

12.58 DigitalStorageUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DigitalStorageUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: DigitalStorageUomExt. To: DigitalStorageUom <i>Generalization</i>	

12.59 DimensionlessUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
cEuc		centieuclid
dEuc		decieuclid
EEuc		exaeuclid
Euc		euclid
fEuc		femtoeclid
GEuc		gigaeuclid
kEuc		kiloeuclid
MEuc		megaeuclid
mEuc		millieuclid
nEuc		nanoeuclid
pEuc		picoeclid
ppk		part per thousand
ppm		part per million
TEuc		teraeuclid
uEuc		microeclid

Associations

Association	Notes
From: DimensionlessUom. To: UomEnum <i>Generalization</i>	
From: DimensionlessUomExt. To: DimensionlessUom <i>Generalization</i>	

12.60 DimensionlessUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DimensionlessUomExt. To: DimensionlessUom <i>Generalization</i>	
From: DimensionlessUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.61 DipoleMomentUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
C.m		coulomb metre

Associations

Association	Notes
From: DipoleMomentUom. To: UomEnum <i>Generalization</i>	
From: DipoleMomentUomExt. To: DipoleMomentUom <i>Generalization</i>	

12.62 DipoleMomentUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DipoleMomentUomExt. To: DipoleMomentUom <i>Generalization</i>	
From: DipoleMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.63 DoseEquivalentUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
mrem		thousandth of rem
mSv		millisievert
rem		rem
Sv		sievert

Associations

Association	Notes
From: DoseEquivalentUom. To: UomEnum <i>Generalization</i>	
From: DoseEquivalentUomExt. To: DoseEquivalentUom <i>Generalization</i>	

12.64 DoseEquivalentUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DoseEquivalentUomExt. To: DoseEquivalentUom <i>Generalization</i>	
From: DoseEquivalentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.65 DynamicViscosityUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cP		centipoise
dP		decipoise
dyne.s/cm ²		dyne second per square centimetre
EP		exapoise
fP		femtopoise
GP		gigapoise
kgf.s/m ²		thousand gram-force second per square metre
kP		kilopoise
lbf.s/ft ²		pound-force second per square foot
lbf.s/in ²		pound-force second per square inch
mP		millipoise
MP		megapoise
mPa.s		millipascal second
N.s/m ²		newton second per square metre
nP		nanopoise
P		poise
Pa.s		pascal second
pP		picopoise
psi.s		psi second
TP		terapoise
uP		micropoise

Associations

Association	Notes
From: DynamicViscosityUom. To: UomEnum <i>Generalization</i>	
From: DynamicViscosityUomExt. To: DynamicViscosityUom <i>Generalization</i>	

12.66 DynamicViscosityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: DynamicViscosityUomExt. To: DynamicViscosityUom <i>Generalization</i>	
From: DynamicViscosityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.67 ElectricalResistivityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kohm.m		kiloohm metre
nohm.mil2/ft		nanoohm square mil per foot
nohm.mm2/m		nanoohm square millimetre per metre
ohm.cm		ohm centimetre
ohm.m		ohm metre
ohm.m2/m		ohm square metre per metre

Associations

Association	Notes
From: ElectricalResistivityUom. To: UomEnum <i>Generalization</i>	
From: ElectricalResistivityUomExt. To: ElectricalResistivityUom <i>Generalization</i>	

12.68 ElectricalResistivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricalResistivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricalResistivityUomExt. To: ElectricalResistivityUom <i>Generalization</i>	

12.69 ElectricChargePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
C/cm ²		coulomb per square centimetre
C/m ²		coulomb per square metre
C/mm ²		coulomb per square millimetre
mC/m ²		millicoulomb per square metre

Associations

Association	Notes
From: ElectricChargePerAreaUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerAreaUomExt. To: ElectricChargePerAreaUom <i>Generalization</i>	

12.70 ElectricChargePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricChargePerAreaUomExt. To: ElectricChargePerAreaUom <i>Generalization</i>	
From: ElectricChargePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.71 ElectricChargePerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A.s/kg		ampere second per kilogram
C/g		coulomb per gram
C/kg		coulomb per kilogram

Associations

Association	Notes
From: ElectricChargePerMassUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerMassUomExt. To: ElectricChargePerMassUom <i>Generalization</i>	

12.72 ElectricChargePerMassUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricChargePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricChargePerMassUomExt. To: ElectricChargePerMassUom <i>Generalization</i>	

12.73 ElectricChargePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A.s/m ³		ampere second per cubic metre
C/cm ³		coulomb per cubic centimetre
C/m ³		coulomb per cubic metre
C/mm ³		coulomb per cubic millimetre

Associations

Association	Notes
From: ElectricChargePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargePerVolumeUomExt. To: ElectricChargePerVolumeUom <i>Generalization</i>	

12.74 ElectricChargePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricChargePerVolumeUomExt. To: ElectricChargePerVolumeUom <i>Generalization</i>	
From: ElectricChargePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.75 ElectricChargeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A.h		ampere hour
A.s		ampere second
C		coulomb
cC		centicoulomb
dC		decicoulomb
EC		exacoulomb
fC		femtocoulomb
GC		gigacoulomb
kC		kilocoulomb
MC		megacoulomb
mC		millicoulomb
nC		nanocoulomb
pC		picocoulomb
TC		teracoulomb
uC		microcoulomb

Associations

Association	Notes
From: ElectricChargeUom. To: UomEnum <i>Generalization</i>	
From: ElectricChargeUomExt. To: ElectricChargeUom <i>Generalization</i>	

12.76 ElectricChargeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricChargeUomExt. To: ElectricChargeUom <i>Generalization</i>	
From: ElectricChargeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.77 ElectricConductanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cS		centisiemens
dS		decisiemens
ES		exasiemens
fS		femtosiemens
GS		gigasiemens
kS		kilosiemens
mS		millisiemens
MS		megasiemens
nS		nanosiemens
pS		picosiemens
S		siemens
TS		terasiemens
uS		microsiemens

Associations

Association	Notes
From: ElectricConductanceUom. To: UomEnum <i>Generalization</i>	
From: ElectricConductanceUomExt. To: ElectricConductanceUom <i>Generalization</i>	

12.78 ElectricConductanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricConductanceUomExt. To: ElectricConductanceUom <i>Generalization</i>	
From: ElectricConductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.79 ElectricConductivityUom

Type: Enumeration **Stereotype:**

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kS/m		kilosiemens per metre
mS/cm		millisiemens per centimetre
mS/m		millisiemens per metre
S/m		siemens per metre

Associations

Association	Notes
From: ElectricConductivityUom. To: UomEnum <i>Generalization</i>	
From: ElectricConductivityUomExt. To: ElectricConductivityUom <i>Generalization</i>	

12.80 ElectricConductivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricConductivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricConductivityUomExt. To: ElectricConductivityUom <i>Generalization</i>	

12.81 ElectricCurrentDensityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A/cm ²		ampere per square centimetre
A/ft ²		ampere per square foot
A/m ²		ampere per square metre
A/mm ²		ampere per square millimetre
mA/cm ²		milliampere per square centimetre
mA/ft ²		milliampere per square foot
uA/cm ²		microampere per square centimetre
uA/in ²		microampere per square inch

Associations

Association	Notes
From: ElectricCurrentDensityUom. To: UomEnum <i>Generalization</i>	
From: ElectricCurrentDensityUomExt. To: ElectricCurrentDensityUom <i>Generalization</i>	

12.82 ElectricCurrentDensityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricCurrentDensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricCurrentDensityUomExt. To: ElectricCurrentDensityUom <i>Generalization</i>	

12.83 ElectricCurrentUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A		ampere
cA		centiampere
dA		deciampere
EA		exaampere
fA		femtoampere
GA		gigaampere
kA		kiloampere
MA		megaampere
mA		milliampere
nA		nanoampere
pA		picoampere
TA		teraampere
uA		microampere

Associations

Association	Notes
From: ElectricCurrentUom. To: UomEnum <i>Generalization</i>	
From: ElectricCurrentUomExt. To: ElectricCurrentUom <i>Generalization</i>	

12.84 ElectricCurrentUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricCurrentUomExt. To: ElectricCurrentUom <i>Generalization</i>	
From: ElectricCurrentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.85 ElectricFieldStrengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
mV/ft		millivolt per foot
mV/m		millivolt per metre
uV/ft		microvolt per foot
uV/m		microvolt per metre
V/m		volt per metre

Associations

Association	Notes
From: ElectricFieldStrengthUom. To: UomEnum <i>Generalization</i>	
From: ElectricFieldStrengthUomExt. To: ElectricFieldStrengthUom <i>Generalization</i>	

12.86 ElectricFieldStrengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricFieldStrengthUomExt. To: ElectricFieldStrengthUom <i>Generalization</i>	
From: ElectricFieldStrengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.87 ElectricPotentialDifferenceUom

Type: Enumeration **Stereotype:**

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cV		centivolt
dV		decivolt
fV		femtovolt
GV		gigavolt
kV		kilovolt
mV		millivolt
MV		megavolt
nV		nanovolt
pV		picovolt
TV		teravolt
uV		microvolt
V		volt

Associations

Association	Notes
From: ElectricPotentialDifferenceUom. To: UomEnum <i>Generalization</i>	
From: ElectricPotentialDifferenceUomExt. To: ElectricPotentialDifferenceUom <i>Generalization</i>	

12.88 ElectricPotentialDifferenceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricPotentialDifferenceUomExt. To: ElectricPotentialDifferenceUom <i>Generalization</i>	
From: ElectricPotentialDifferenceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.89 ElectricResistancePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ohm/m		ohm per metre
uohm/ft		microhm per foot
uohm/m		microhm per metre

Associations

Association	Notes
From: ElectricResistancePerLengthUom. To: UomEnum <i>Generalization</i>	
From: ElectricResistancePerLengthUomExt. To: ElectricResistancePerLengthUom <i>Generalization</i>	

12.90 ElectricResistancePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricResistancePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricResistancePerLengthUomExt. To: ElectricResistancePerLengthUom <i>Generalization</i>	

12.91 ElectricResistanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cohmm		centiohm
dohmm		deciohm
Eohmm		exaohm
fohmm		femtoohm
Gohmm		gigaohm
kohmm		kilohm
Mohmm		megohm
mohmm		milliohm
nohmm		nanoohm
ohmm		ohm
pohmm		picoohm
Tohmm		teraohm
uohmm		microohm

Associations

Association	Notes
From: ElectricResistanceUom. To: UomEnum <i>Generalization</i>	
From: ElectricResistanceUomExt. To: ElectricResistanceUom <i>Generalization</i>	

12.92 ElectricResistanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectricResistanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ElectricResistanceUomExt. To: ElectricResistanceUom <i>Generalization</i>	

12.93 ElectromagneticMomentUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A.m2		ampere square metre

Associations

Association	Notes
From: ElectromagneticMomentUom. To: UomEnum <i>Generalization</i>	
From: ElectromagneticMomentUomExt. To: ElectromagneticMomentUom <i>Generalization</i>	

12.94 ElectromagneticMomentUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ElectromagneticMomentUomExt. To: ElectromagneticMomentUom <i>Generalization</i>	
From: ElectromagneticMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.95 EnergyLengthPerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
J.m/m ²		joule metre per square metre
kcal[th].m/cm ²		thousand calorie metre per square centimetre

Associations

Association	Notes
From: EnergyLengthPerAreaUom. To: UomEnum <i>Generalization</i>	
From: EnergyLengthPerAreaUomExt. To: EnergyLengthPerAreaUom <i>Generalization</i>	

12.96 EnergyLengthPerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyLengthPerAreaUomExt. To: EnergyLengthPerAreaUom <i>Generalization</i>	
From: EnergyLengthPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.97 EnergyLengthPerTimeAreaTemperatureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT].in/(h.ft ² .deltaF)		BTU per (hour square foot delta Fahrenheit per inch)
J.m/(s.m ² .deltaK)		joule metre per second square metre delta kelvin
kJ.m/(h.m ² .deltaK)		kilojoule metre per hour square metre delta kelvin
W/(m.deltaK)		watt per metre delta kelvin

Associations

Association	Notes
From: EnergyLengthPerTimeAreaTemperatureUom. To: UomEnum <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureUomExt. To: EnergyLengthPerTimeAreaTemperatureUom <i>Generalization</i>	

12.98 EnergyLengthPerTimeAreaTemperatureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyLengthPerTimeAreaTemperatureUomExt. To: EnergyLengthPerTimeAreaTemperatureUom <i>Generalization</i>	
From: EnergyLengthPerTimeAreaTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.99 EnergyPerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
erg/cm ²		erg per square centimetre
J/cm ²		joule per square centimetre
J/m ²		joule per square metre
kgf.m/cm ²		thousand gram-force metre per square centimetre
lbf.ft/in ²		foot pound-force per square inch
mJ/cm ²		millijoule per square centimetre
mJ/m ²		millijoule per square metre
N/m		newton per metre

Associations

Association	Notes
From: EnergyPerAreaUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerAreaUomExt. To: EnergyPerAreaUom <i>Generalization</i>	

12.100 EnergyPerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerAreaUomExt. To: EnergyPerAreaUom <i>Generalization</i>	

12.101 EnergyPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
J/m		joule per metre
MJ/m		megajoule per metre

Associations

Association	Notes
From: EnergyPerLengthUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerLengthUomExt. To: EnergyPerLengthUom <i>Generalization</i>	

12.102 EnergyPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerLengthUomExt. To: EnergyPerLengthUom <i>Generalization</i>	

12.103 EnergyPerMassPerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
mrem/h		thousandth of rem per hour
mSv/h		millisievert per hour
rem/h		rem per hour
Sv/h		sievert per hour
Sv/s		sievert per second

Associations

Association	Notes
From: EnergyPerMassPerTimeUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerMassPerTimeUomExt. To: EnergyPerMassPerTimeUom <i>Generalization</i>	

12.104 EnergyPerMassPerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyPerMassPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerMassPerTimeUomExt. To: EnergyPerMassPerTimeUom <i>Generalization</i>	

12.105 EnergyPerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/lbm		BTU per pound-mass
cal[th]/g		calorie per gram
cal[th]/kg		calorie per kilogram
cal[th]/lbm		calorie per pound-mass
erg/g		erg per gram
erg/kg		erg per kilogram
hp.h/lbm		horsepower hour per pound-mass
J/g		joule per gram
J/kg		joule per kilogram
kcal[th]/g		thousand calorie per gram
kcal[th]/kg		thousand calorie per kilogram
kJ/kg		kilojoule per kilogram
kW.h/kg		kilowatt hour per kilogram
lbf.ft/lbm		foot pound-force per pound-mass
MJ/kg		megajoule per kilogram
MW.h/kg		megawatt hour per kilogram

Associations

Association	Notes
From: EnergyPerMassUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerMassUomExt. To: EnergyPerMassUom <i>Generalization</i>	

12.106 EnergyPerMassUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: EnergyPerMassUomExt. To: EnergyPerMassUom <i>Generalization</i>	

12.107 EnergyPerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/bbl		BTU per barrel
Btu[IT]/ft3		BTU per cubic foot
Btu[IT]/gal[UK]		BTU per UK gallon
Btu[IT]/gal[US]		BTU per US gallon
cal[th]/cm3		calorie per cubic centimetre
cal[th]/mL		calorie per millilitre
cal[th]/mm3		calorie per cubic millimetre
erg/cm3		erg per cubic centimetre
erg/m3		erg per cubic metre
hp.h/bbl		horsepower hour per barrel
J/dm3		joule per cubic decimetre
J/m3		joule per cubic metre
kcal[th]/cm3		thousand calorie per cubic centimetre
kcal[th]/m3		thousand calorie per cubic metre
kJ/dm3		kilojoule per cubic decimetre
kJ/m3		kilojoule per cubic metre
KW.h/dm3		kilowatt hour per cubic decimetre
KW.h/m3		kilowatt hour per cubic metre
lbf.ft/bbl		foot pound-force per barrel
lbf.ft/gal[US]		foot pound-force per US gallon
MJ/m3		megajoule per cubic metre
MW.h/m3		megawatt hour per cubic metre
tonf[US].mi/bbl		US ton-force mile per barrel

Associations

Association	Notes
From: EnergyPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: EnergyPerVolumeUomExt. To: EnergyPerVolumeUom <i>Generalization</i>	

12.108 EnergyPerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyPerVolumeUomExt. To: EnergyPerVolumeUom <i>Generalization</i>	
From: EnergyPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.109 EnergyUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1E6 Btu[IT]		million BTU
aJ		attojoule
Btu[IT]		British thermal unit
Btu[th]		thermochemical British thermal unit
Btu[UK]		United Kingdom British thermal unit
cal[IT]		calorie [International Table]
cal[th]		calorie
ccal[th]		hundredth of calorie
ceV		centielectronvolt
cJ		centijoule
dcal[th]		tenth of calorie
deV		decielectronvolt
dJ		decijoule
Ecal[th]		million million million calorie
EeV		exaelectronvolt
EJ		exajoule
erg		erg
eV		electronvolt
fcal[th]		femtocalorie
feV		femtoelectronvolt
fJ		femtojoule
Gcal[th]		thousand million calorie
GeV		gigaelectronvolt
GJ		gigajoule
GW.h		gigawatt hour
hp.h		horsepower hour
hp[metric].h		metric-horsepower hour
J		joule
kcal[th]		thousand calorie
keV		kiloelectronvolt
kJ		kilojoule

kW.h		kilowatt hour
mcal[th]		thousandth of calorie
Mcal[th]		million calorie
meV		millielectronvolt
MeV		megaelectronvolt
MJ		megajoule
mJ		millijoule
MW.h		megawatt hour
ncal[th]		nanocalorie
neV		nanoelectronvolt
nJ		nanojoule
pcal[th]		picocalorie
peV		picoelectronvolt
pJ		picojoule
quad		quad
Tcal[th]		million million calorie
TeV		teraelectronvolt
therm[EC]		European Community therm
therm[UK]		United Kingdom therm
therm[US]		United States therm
TJ		terajoule
TW.h		terrawatt hour
ucal[th]		millionth of calorie
ueV		microelectronvolt
uj		microjoule

Associations

Association	Notes
From: EnergyUom. To: UomEnum <i>Generalization</i>	
From: EnergyUomExt. To: EnergyUom <i>Generalization</i>	

12.110 EnergyUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: EnergyUomExt. To: EnergyUom <i>Generalization</i>	
From: EnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.111 ForceAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dyne.cm2		dyne square centimetre
kgf.m2		thousand gram-force square metre
kN.m2		kiloneutron square metre
lbf.in2		pound-force square inch
mN.m2		millineutron square metre
N.m2		newton square metre
pdl.cm2		poundal square centimetre
tonf[UK].ft2		UK ton-force square foot
tonf[US].ft2		US ton-force square foot

Associations

Association	Notes
From: ForceAreaUom. To: UomEnum <i>Generalization</i>	
From: ForceAreaUomExt. To: ForceAreaUom <i>Generalization</i>	

12.112 ForceAreaUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForceAreaUomExt. To: ForceAreaUom <i>Generalization</i>	
From: ForceAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.113 ForceLengthPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kgf.m/m		thousand gram-force metre per metre
lbf.ft/in		foot pound-force per inch
lbf.in/in		pound-force inch per inch
N.m/m		newton metre per metre
tonf[US].mi/ft		US ton-force mile per foot

Associations

Association	Notes
From: ForceLengthPerLengthUom. To: UomEnum <i>Generalization</i>	
From: ForceLengthPerLengthUomExt. To: ForceLengthPerLengthUom <i>Generalization</i>	

12.114 ForceLengthPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForceLengthPerLengthUomExt. To: ForceLengthPerLengthUom <i>Generalization</i>	
From: ForceLengthPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.115 ForcePerForceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
Euc		euclid
kgf/kgf		thousand gram-force per kilogram-force
lbf/lbf		pound-force per pound-force
N/N		newton per newton

Associations

Association	Notes
From: ForcePerForceUom. To: UomEnum <i>Generalization</i>	
From: ForcePerForceUomExt. To: ForcePerForceUom <i>Generalization</i>	

12.116 ForcePerForceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForcePerForceUomExt. To: ForcePerForceUom <i>Generalization</i>	
From: ForcePerForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.117 ForcePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 lbf/ft		pound-force per hundred foot
1/30 lbf/m		pound-force per thirty metre
1/30 N/m		newton per thirty metre
dyne/cm		dyne per centimetre
kgf/cm		thousand gram-force per centimetre
kN/m		kilonewton per metre
lbf/ft		pound-force per foot
lbf/in		pound-force per inch
mN/km		millinewton per kilometre
mN/m		millinewton per metre
N/m		newton per metre
pdl/cm		poundal per centimetre
tonf[UK]/ft		UK ton-force per foot
tonf[US]/ft		US ton-force per foot

Associations

Association	Notes
From: ForcePerLengthUom. To: UomEnum <i>Generalization</i>	
From: ForcePerLengthUomExt. To: ForcePerLengthUom <i>Generalization</i>	

12.118 ForcePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForcePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ForcePerLengthUomExt. To: ForcePerLengthUom <i>Generalization</i>	

12.119 ForcePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001 psi/ft		psi per thousand foot
0.01 psi/ft		psi per hundred foot
atm/ft		standard atmosphere per foot
atm/hm		standard atmosphere per hundred metre
atm/m		standard atmosphere per metre
bar/km		bar per kilometre
bar/m		bar per metre
GPa/cm		gigapascal per centimetre
kPa/hm		kilopascal per hectometre
kPa/m		kilopascal per metre
lbf/ft ³		pound-force per cubic foot
lbf/gal[US]		pound-force per US gallon
MPa/m		megapascal per metre
N/m ³		newton per cubic metre
Pa/m		pascal per metre
psi/ft		psi per foot
psi/m		psi per metre

Associations

Association	Notes
From: ForcePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: ForcePerVolumeUomExt. To: ForcePerVolumeUom <i>Generalization</i>	

12.120 ForcePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForcePerVolumeUomExt. To: ForcePerVolumeUom <i>Generalization</i>	
From: ForcePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.121 ForceUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
10 kN		ten kilonewton
cN		centinewton
daN		dekanewton
dN		decinewton
dyne		dyne
EN		exanewton
fN		femtnewton
gf		gram-force
GN		giganewton
hN		hectonewton
kdyne		kilodyne
kgf		thousand gram-force
klbf		thousand pound-force
kN		kilonewton
lbf		pound-force
Mgf		million gram-force
mN		millinewton
MN		meganewton
N		newton
nN		nanonewton
ozf		ounce-force
pdl		poundal
pN		piconewton
TN		teranewton
tonf[UK]		UK ton-force
tonf[US]		US ton-force
uN		micronewton

Associations

Association	Notes

Association	Notes
From: ForceUom. To: UomEnum <i>Generalization</i>	
From: ForceUomExt. To: ForceUom <i>Generalization</i>	

12.122 ForceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ForceUomExt. To: ForceUom <i>Generalization</i>	
From: ForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.123 FrequencyIntervalUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
O		octave

Associations

Association	Notes
From: FrequencyIntervalUom. To: UomEnum <i>Generalization</i>	
From: FrequencyIntervalUomExt. To: FrequencyIntervalUom <i>Generalization</i>	

12.124 FrequencyIntervalUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: FrequencyIntervalUomExt. To: FrequencyIntervalUom <i>Generalization</i>	
From: FrequencyIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.125 FrequencyUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cHz		centihertz
dHz		decihertz
EHz		exahertz
fHz		femtohertz
GHz		gigahertz
Hz		hertz
kHz		kilohertz
mHz		millihertz
MHz		megahertz
nHz		nanohertz
pHz		picoherz
THz		terahertz
uHz		microhertz

Associations

Association	Notes
From: FrequencyUom. To: UomEnum <i>Generalization</i>	
From: FrequencyUomExt. To: FrequencyUom <i>Generalization</i>	

12.126 FrequencyUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: FrequencyUomExt. To: FrequencyUom <i>Generalization</i>	
From: FrequencyUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.127 HeatCapacityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
J/deltaK		joule per delta kelvin

Associations

Association	Notes
From: HeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: HeatCapacityUomExt. To: HeatCapacityUom <i>Generalization</i>	

12.128 HeatCapacityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: HeatCapacityUomExt. To: HeatCapacityUom <i>Generalization</i>	
From: HeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.129 HeatFlowRateUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1E6 Btu[IT]/h		million BTU per hour
Btu[IT]/h		BTU per hour
Btu[IT]/min		BTU per minute
Btu[IT]/s		BTU per second
cal[th]/h		calorie per hour
EJ/a		exajoule per julian-year
erg/a		erg per julian-year
GW		gigawatt
J/s		joule per second
kcal[th]/h		thousand calorie per hour
kW		kilowatt
lbf.ft/min		foot pound-force per minute
lbf.ft/s		foot pound-force per second
MJ/a		megajoule per julian-year
mW		milliwatt
MW		megawatt
nW		nanowatt
quad/a		quad per julian-year
TJ/a		terajoule per julian-year
TW		terawatt
ucal[th]/s		millionth of calorie per second
uW		microwatt
W		watt

Associations

Association	Notes
From: HeatFlowRateUom. To: UomEnum <i>Generalization</i>	
From: HeatFlowRateUomExt. To: HeatFlowRateUom <i>Generalization</i>	

12.130 HeatFlowRateUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: HeatFlowRateUomExt. To: HeatFlowRateUom <i>Generalization</i>	
From: HeatFlowRateUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.131 HeatTransferCoefficientUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(h.ft2.deltaF)		BTU per hour square foot delta Fahrenheit
Btu[IT]/(h.ft2.deltaR)		BTU per hour square foot delta Rankine
Btu[IT]/(h.m2.deltaC)		BTU per hour square metre delta Celsius
Btu[IT]/(s.ft2.deltaF)		(BTU per second) per square foot delta Fahrenheit
cal[th]/(h.cm2.deltaC)		calorie per hour square centimetre delta Celsius
cal[th]/(s.cm2.deltaC)		calorie per second square centimetre delta Celsius
J/(s.m2.deltaC)		joule per second square metre delta Celsius
kcal[th]/(h.m2.deltaC)		thousand calorie per hour square metre delta Celsius
kJ/(h.m2.deltaK)		kilojoule per hour square metre delta kelvin
kW/(m2.deltaK)		kilowatt per square metre delta kelvin
W/(m2.deltaK)		watt per square metre delta kelvin

Associations

Association	Notes
From: HeatTransferCoefficientUom. To: UomEnum <i>Generalization</i>	
From: HeatTransferCoefficientUomExt. To: HeatTransferCoefficientUom <i>Generalization</i>	

12.132 HeatTransferCoefficientUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: HeatTransferCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: HeatTransferCoefficientUomExt. To: HeatTransferCoefficientUom <i>Generalization</i>	

12.133 IlluminanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
footcandle		footcandle
klx		kilolux
lm/m2		lumen per square metre
lx		lux

Associations

Association	Notes
From: IlluminanceUom. To: UomEnum <i>Generalization</i>	
From: IlluminanceUomExt. To: IlluminanceUom <i>Generalization</i>	

12.134 IlluminanceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: IlluminanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: IlluminanceUomExt. To: IlluminanceUom <i>Generalization</i>	

12.135 InductanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cH		centihenry
dH		decihenry
EH		exahenry
fH		femtohenry
GH		gigahenry
H		henry
kH		kilohenry
MH		megahenry
mH		millihenry
nH		nanohenry
TH		terahenry
uH		microhenry

Associations

Association	Notes
From: InductanceUom. To: UomEnum <i>Generalization</i>	
From: InductanceUomExt. To: InductanceUom <i>Generalization</i>	

12.136 InductanceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: InductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: InductanceUomExt. To: InductanceUom <i>Generalization</i>	

12.137 IsothermalCompressibilityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dm3/(kW.h)		cubic decimetre per kilowatt hour
dm3/MJ		cubic decimetre per megajoule
m3/(kW.h)		cubic metre per kilowatt hour
m3/J		cubic metre per joule
mm3/J		cubic millimetre per joule
pt[UK]/(hp.h)		UK pint per horsepower hour

Associations

Association	Notes
From: IsothermalCompressibilityUom. To: UomEnum <i>Generalization</i>	
From: IsothermalCompressibilityUomExt. To: IsothermalCompressibilityUom <i>Generalization</i>	

12.138 IsothermalCompressibilityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: IsothermalCompressibilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: IsothermalCompressibilityUomExt. To: IsothermalCompressibilityUom <i>Generalization</i>	

12.139 KinematicViscosityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm ² /s		square centimetre per second
cSt		centistokes
ft ² /h		square foot per hour
ft ² /s		square foot per second
in ² /s		square inch per second
m ² /h		square metre per hour
m ² /s		square metre per second
mm ² /s		square millimetre per second
Pa.s.m ³ /kg		pascal second square metre per kilogram
St		stokes

Associations

Association	Notes
From: KinematicViscosityUom. To: UomEnum <i>Generalization</i>	
From: KinematicViscosityUomExt. To: KinematicViscosityUom <i>Generalization</i>	

12.140 KinematicViscosityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: KinematicViscosityUomExt. To: KinematicViscosityUom <i>Generalization</i>	
From: KinematicViscosityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.141 LengthPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
0.01 ft/ft		foot per hundred foot
1/30 m/m		metre per thirty metre
Euc		euclid
ft/ft		foot per foot
ft/in		foot per inch
ft/m		foot per metre
ft/mi		foot per mile
km/cm		kilometre per centimetre
m/cm		metre per centimetre
m/km		metre per kilometre
m/m		metre per metre
mi/in		mile per inch

Associations

Association	Notes
From: LengthPerLengthUom. To: UomEnum <i>Generalization</i>	
From: LengthPerLengthUomExt. To: LengthPerLengthUom <i>Generalization</i>	

12.142 LengthPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerLengthUomExt. To: LengthPerLengthUom <i>Generalization</i>	
From: LengthPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.143 LengthPerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft/lbm		foot per pound-mass
m/kg		metre per kilogram

Associations

Association	Notes
From: LengthPerMassUom. To: UomEnum <i>Generalization</i>	
From: LengthPerMassUomExt. To: LengthPerMassUom <i>Generalization</i>	

12.144 LengthPerMassUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerMassUomExt. To: LengthPerMassUom <i>Generalization</i>	

12.145 LengthPerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft/psi		foot per psi
m/kPa		metre per kilopascal
m/Pa		metre per Pascal

Associations

Association	Notes
From: LengthPerPressureUom. To: UomEnum <i>Generalization</i>	
From: LengthPerPressureUomExt. To: LengthPerPressureUom <i>Generalization</i>	

12.146 LengthPerPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerPressureUomExt. To: LengthPerPressureUom <i>Generalization</i>	

12.147 LengthPerTemperatureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft/deltaF		foot per delta Fahrenheit
m/deltaK		metre per delta kelvin

Associations

Association	Notes
From: LengthPerTemperatureUom. To: UomEnum <i>Generalization</i>	
From: LengthPerTemperatureUomExt. To: LengthPerTemperatureUom <i>Generalization</i>	

12.148 LengthPerTemperatureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerTemperatureUomExt. To: LengthPerTemperatureUom <i>Generalization</i>	

12.149 LengthPerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 ft/h		thousand foot per hour
1000 ft/s		thousand foot per second
cm/a		centimetre per julian-year
cm/s		centimetre per second
dm/s		decimetre per second
ft/d		foot per day
ft/h		foot per hour
ft/min		foot per minute
ft/ms		foot per millisecond
ft/s		foot per second
ft/us		foot per microsecond
in/a		inch per julian-year
in/min		inch per minute
in/s		inch per second
km/h		kilometre per hour
km/s		kilometre per second
knot		knot
m/d		metre per day
m/h		metre per hour
m/min		metre per minute
m/ms		metre per millisecond
m/s		metre per second
mi/h		mile per hour
mil/a		mil per julian-year
mm/a		millimetre per julian-year
mm/s		millimetre per second
nm/s		nanometre per second
um/s		micrometre per second

Associations

Association	Notes
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Association	Notes
From: LengthPerTimeUom. To: UomEnum <i>Generalization</i>	
From: LengthPerTimeUomExt. To: LengthPerTimeUom <i>Generalization</i>	

12.150 LengthPerTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthPerTimeUomExt. To: LengthPerTimeUom <i>Generalization</i>	

12.151 LengthPerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft/bbl		foot per barrel
ft/ft3		foot per cubic foot
ft/gal[US]		foot per US gallon
km/dm3		kilometre per cubic decimetre
km/L		kilometre per litre
m/m3		metre per cubic metre
mi/gal[UK]		mile per UK gallon
mi/gal[US]		mile per US gallon

Associations

Association	Notes
From: LengthPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: LengthPerVolumeUomExt. To: LengthPerVolumeUom <i>Generalization</i>	

12.152 LengthPerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthPerVolumeUomExt. To: LengthPerVolumeUom <i>Generalization</i>	
From: LengthPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.153 LengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.1 ft		tenth of foot
0.1 ft[US]		tenth of US survey foot
0.1 in		tenth of inch
0.1 yd		tenth of yard
1/16 in		sixteenth of inch
1/2 ft		half of Foot
1/32 in		thirty-second of inch
1/64 in		sixty-fourth of inch
10 ft		ten foot
10 in		ten inch
10 km		10 kilometre
100 ft		hundred foot
100 km		100 kilometre
1000 ft		thousand foot
30 ft		thirty foot
30 m		thirty metres
angstrom		angstrom
chain		chain
chain[BnA]		British chain [Benoit 1895 A]
chain[BnB]		British chain [Benoit 1895 B]
chain[Cla]		Clarke chain
chain[Ind37]		Indian Chain [1937]
chain[Se]		British chain [Sears 1922]
chain[SeT]		British chain [Sears 1922 truncated]
chain[US]		US survey chain
cm		centimetre
dam		dekametre
dm		decimetre
Em		exametre
fathom		international fathom
fm		femtometre

ft		foot
ft[BnA]		British foot [Benoit 1895 A]
ft[BnB]		British foot [Benoit 1895 B]
ft[Br36]		British foot [1936]
ft[Br65]		British foot [1865]
ft[Cla]		Clarke foot
ft[GC]		Gold Coast foot
ft[Ind]		indian foot
ft[Ind37]		indian foot [1937]
ft[Ind62]		indian foot]1962]
ft[Ind75]		indian foot [1975]
ft[Se]		British foot [Sears 1922]
ft[SeT]		British foot [Sears 1922 truncated]
ft[US]		US survey foot
fur[US]		furlong US survey
Gm		gigametre
hm		hectometre
in		inch
in[US]		US survey inch
km		kilometre
link		link
link[BnA]		British link [Benoit 1895 A]
link[BnB]		British link [Benoit 1895 B]
link[Cla]		Clarke link
link[Se]		British link [Sears 1922]
link[SeT]		British link [Sears 1922 truncated]
link[US]		US survey link
m		metre
m[Ger]		German legal metre
mi		mile
mi[naut]		international nautical mile
mi[nautUK]		United Kingdom nautical mile
mi[US]		US survey mile
mil		mil
mm		millimetre
Mm		megametre
nm		nanometre
pm		picometre
rod[US]		rod US Survey

Tm		terametre
um		micrometre
yd		yard
yd[BnA]		British yard [Benoit 1895 A]
yd[BnB]		British yard [Benoit 1895 B]
yd[Cla]		Clarke yard
yd[Ind]		Indian yard
yd[Ind37]		Indian yard [1937]
yd[Ind62]		Indian yard [1962]
yd[Ind75]		Indian yard [1975]
yd[Se]		British yard [Sears 1922]
yd[SeT]		British yard [Sears 1922 truncated]
yd[US]		US survey yard

Associations

Association	Notes
From: LengthUom. To: UomEnum <i>Generalization</i>	
From: LengthUomExt. To: LengthUom <i>Generalization</i>	

12.154 LengthUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LengthUomExt. To: LengthUom <i>Generalization</i>	

12.155 LightExposureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
footcandle.s		footcandle second
lx.s		lux second

Associations

Association	Notes
From: LightExposureUom. To: UomEnum <i>Generalization</i>	
From: LightExposureUomExt. To: LightExposureUom <i>Generalization</i>	

12.156 LightExposureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LightExposureUomExt. To: LightExposureUom <i>Generalization</i>	
From: LightExposureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.157 LinearAccelerationUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm/s2		centimetre per square second
ft/s2		foot per second squared
Gal		galileo
gn		gravity
in/s2		inch per second squared
m/s2		metre per second squared
mGal		milligalileo
mgn		thousandth of gravity

Associations

Association	Notes
From: LinearAccelerationUom. To: UomEnum <i>Generalization</i>	
From: LinearAccelerationUomExt. To: LinearAccelerationUom <i>Generalization</i>	

12.158 LinearAccelerationUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LinearAccelerationUomExt. To: LinearAccelerationUom <i>Generalization</i>	
From: LinearAccelerationUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.159 LinearThermalExpansionUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/deltaK		per delta kelvin
in/(in.deltaF)		inch per inch delta Fahrenheit
m/(m.deltaK)		metre per metre delta kelvin
mm/(mm.deltaK)		millimetre per millimetre delta kelvin

Associations

Association	Notes
From: LinearThermalExpansionUom. To: UomEnum <i>Generalization</i>	
From: LinearThermalExpansionUomExt. To: LinearThermalExpansionUom <i>Generalization</i>	

12.160 LinearThermalExpansionUomExt

Type: Class Stereotype: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LinearThermalExpansionUomExt. To: LinearThermalExpansionUom <i>Generalization</i>	
From: LinearThermalExpansionUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.161 LogarithmicPowerRatioPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
B/m		bel per metre
dB/ft		decibel per foot
dB/km		decibel per kilometre
dB/m		decibel per metre

Associations

Association	Notes
From: LogarithmicPowerRatioPerLengthUom. To: UomEnum <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthUomExt. To: LogarithmicPowerRatioPerLengthUom <i>Generalization</i>	

12.162 LogarithmicPowerRatioPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LogarithmicPowerRatioPerLengthUomExt. To: LogarithmicPowerRatioPerLengthUom <i>Generalization</i>	
From: LogarithmicPowerRatioPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.163 LogarithmicPowerRatioUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
B		bel
dB		decibel

Associations

Association	Notes
From: LogarithmicPowerRatioUom. To: UomEnum <i>Generalization</i>	
From: LogarithmicPowerRatioUomExt. To: LogarithmicPowerRatioUom <i>Generalization</i>	

12.164 LogarithmicPowerRatioUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LogarithmicPowerRatioUomExt. To: LogarithmicPowerRatioUom <i>Generalization</i>	
From: LogarithmicPowerRatioUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.165 LuminanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cd/m ²		candela per square metre

Associations

Association	Notes
From: LuminanceUom. To: UomEnum <i>Generalization</i>	
From: LuminanceUomExt. To: LuminanceUom <i>Generalization</i>	

12.166 LuminanceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LuminanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminanceUomExt. To: LuminanceUom <i>Generalization</i>	

12.167 LuminousEfficacyUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
lm/W		lumen per watt

Associations

Association	Notes
From: LuminousEfficacyUom. To: UomEnum <i>Generalization</i>	
From: LuminousEfficacyUomExt. To: LuminousEfficacyUom <i>Generalization</i>	

12.168 LuminousEfficacyUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LuminousEfficacyUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousEfficacyUomExt. To: LuminousEfficacyUom <i>Generalization</i>	

12.169 LuminousFluxUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
lm		lumen

Associations

Association	Notes
From: LuminousFluxUom. To: UomEnum <i>Generalization</i>	
From: LuminousFluxUomExt. To: LuminousFluxUom <i>Generalization</i>	

12.170 LuminousFluxUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LuminousFluxUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousFluxUomExt. To: LuminousFluxUom <i>Generalization</i>	

12.171 LuminousIntensityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cd		candela
kcd		kilocandela

Associations

Association	Notes
From: LuminousIntensityUom. To: UomEnum <i>Generalization</i>	
From: LuminousIntensityUomExt. To: LuminousIntensityUom <i>Generalization</i>	

12.172 LuminousIntensityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: LuminousIntensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: LuminousIntensityUomExt. To: LuminousIntensityUom <i>Generalization</i>	

12.173 MagneticDipoleMomentUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Wb.m		weber metre

Associations

Association	Notes
From: MagneticDipoleMomentUom. To: UomEnum <i>Generalization</i>	
From: MagneticDipoleMomentUomExt. To: MagneticDipoleMomentUom <i>Generalization</i>	

12.174 MagneticDipoleMomentUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticDipoleMomentUomExt. To: MagneticDipoleMomentUom <i>Generalization</i>	
From: MagneticDipoleMomentUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.175 MagneticFieldStrengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
A/m		ampere per metre
A/mm		ampere per millimetre
Oe		oersted

Associations

Association	Notes
From: MagneticFieldStrengthUom. To: UomEnum <i>Generalization</i>	
From: MagneticFieldStrengthUomExt. To: MagneticFieldStrengthUom <i>Generalization</i>	

12.176 MagneticFieldStrengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticFieldStrengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFieldStrengthUomExt. To: MagneticFieldStrengthUom <i>Generalization</i>	

12.177 MagneticFluxDensityPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
gauss/cm		gauss per centimetre
mT/dm		millitesla per decimetre
T/m		tesla per metre

Associations

Association	Notes
From: MagneticFluxDensityPerLengthUom. To: UomEnum <i>Generalization</i>	
From: MagneticFluxDensityPerLengthUomExt. To: MagneticFluxDensityPerLengthUom <i>Generalization</i>	

12.178 MagneticFluxDensityPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticFluxDensityPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFluxDensityPerLengthUomExt. To: MagneticFluxDensityPerLengthUom <i>Generalization</i>	

12.179 MagneticFluxDensityUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cgauss		centigauss
cT		centitesla
dgauss		decigauss
dT		decitesla
Egauss		exagauss
ET		exatesla
fgauss		femtogauss
fT		femtotesla
gauss		gauss
Gauss		gigagauss
GT		gigatesla
kgauss		kilogauss
kT		kilotesla
mgauss		milligauss
Mgauss		megagauss
mT		millitesla
ngauss		nanogauss
nT		nanotesla
pgauss		picogauss
pT		picotesla
T		tesla
Tgauss		teragauss
TT		teratesla
ugauss		microgauss
uT		microtesla

Associations

Association	Notes
From: MagneticFluxDensityUom. To: UomEnum Generalization	

Association	Notes
<p>From: MagneticFluxDensityUomExt. To: MagneticFluxDensityUom <i>Generalization</i></p>	

12.180 MagneticFluxDensityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticFluxDensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticFluxDensityUomExt. To: MagneticFluxDensityUom <i>Generalization</i>	

12.181 MagneticFluxUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cWb		centiweber
dWb		deciweber
EWb		exaweber
fWb		femtoweber
GWb		gigaweber
kWb		kiloweber
mWb		milliweber
MWb		megaweber
nWb		nanoweber
pWb		picoweber
TWb		teraweber
uWb		microweber
Wb		weber

Associations

Association	Notes
From: MagneticFluxUom. To: UomEnum <i>Generalization</i>	
From: MagneticFluxUomExt. To: MagneticFluxUom <i>Generalization</i>	

12.182 MagneticFluxUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticFluxUomExt. To: MagneticFluxUom <i>Generalization</i>	
From: MagneticFluxUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.183 MagneticPermeabilityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
H/m		henry per metre
uH/m		microhenry per metre

Associations

Association	Notes
From: MagneticPermeabilityUom. To: UomEnum <i>Generalization</i>	
From: MagneticPermeabilityUomExt. To: MagneticPermeabilityUom <i>Generalization</i>	

12.184 MagneticPermeabilityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticPermeabilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MagneticPermeabilityUomExt. To: MagneticPermeabilityUom <i>Generalization</i>	

12.185 MagneticVectorPotentialUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Wb/m		weber per metre
Wb/mm		weber per millimetre

Associations

Association	Notes
From: MagneticVectorPotentialUom. To: UomEnum <i>Generalization</i>	
From: MagneticVectorPotentialUomExt. To: MagneticVectorPotentialUom <i>Generalization</i>	

12.186 MagneticVectorPotentialUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MagneticVectorPotentialUomExt. To: MagneticVectorPotentialUom <i>Generalization</i>	
From: MagneticVectorPotentialUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.187 MassLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg.m		kilogram metre
lbm.ft		pound-mass foot

Associations

Association	Notes
From: MassLengthUom. To: UomEnum <i>Generalization</i>	
From: MassLengthUomExt. To: MassLengthUom <i>Generalization</i>	

12.188 MassLengthUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassLengthUomExt. To: MassLengthUom <i>Generalization</i>	
From: MassLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.189 MassPerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 lbm/ft2		pound-mass per hundred square foot
kg/m2		kilogram per square metre
lbm/ft2		pound-mass per square foot
Mg/m2		megagram per square metre
ton[US]/ft2		US ton-mass per square foot

Associations

Association	Notes
From: MassPerAreaUom. To: UomEnum <i>Generalization</i>	
From: MassPerAreaUomExt. To: MassPerAreaUom <i>Generalization</i>	

12.190 MassPerAreaUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerAreaUomExt. To: MassPerAreaUom <i>Generalization</i>	
From: MassPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.191 MassPerEnergyUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg/(kW.h)		kilogram per kilowatt hour
kg/J		kilogram per joule
kg/MJ		kilogram per megajoule
lbm/(hp.h)		pound-mass per horsepower hour
mg/J		milligram per joule

Associations

Association	Notes
From: MassPerEnergyUom. To: UomEnum <i>Generalization</i>	
From: MassPerEnergyUomExt. To: MassPerEnergyUom <i>Generalization</i>	

12.192 MassPerEnergyUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerEnergyUomExt. To: MassPerEnergyUom <i>Generalization</i>	
From: MassPerEnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.193 MassPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg.m/cm2		kilogram metre per square centimetre
kg/m		kilogram per metre
klbm/in		thousand pound-mass per inch
lbf/ft		pound-mass per foot
Mg/in		megagram per inch

Associations

Association	Notes
From: MassPerLengthUom. To: UomEnum <i>Generalization</i>	
From: MassPerLengthUomExt. To: MassPerLengthUom <i>Generalization</i>	

12.194 MassPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerLengthUomExt. To: MassPerLengthUom <i>Generalization</i>	
From: MassPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.195 MassPerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
%[mass]		percent [mass basis]
Euc		euclid
g/kg		gram per kilogram
g/t		gram per tonne
kg/kg		kilogram per kilogram
kg/sack[94lbm]		kilogram per 94-pound-sack
kg/t		kilogram per tonne
mg/g		milligram per gram
mg/kg		milligram per kilogram
ng/g		nanogram per gram
ng/mg		nanogram per milligram
ppk		part per thousand
ppm		part per million
ppm[mass]		part per million [mass basis]
ug/g		microgram per gram
ug/mg		microgram per milligram

Associations

Association	Notes
From: MassPerMassUom. To: UomEnum <i>Generalization</i>	
From: MassPerMassUomExt. To: MassPerMassUom <i>Generalization</i>	

12.196 MassPerMassUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerMassUomExt. To: MassPerMassUom <i>Generalization</i>	

12.197 MassPerTimePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
g.ft/(cm3.s)		gram foot per cubic centimetre second
g.m/(cm3.s)		gram metre per cubic centimetre second
kg/(m2.s)		kilogram per square metre second
kPa.s/m		kilopascal second per metre
lbm/(ft2.h)		pound-mass per square foot hour
lbm/(ft2.s)		pound-mass per square foot second
MPa.s/m		megapascal second per metre

Associations

Association	Notes
From: MassPerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: MassPerTimePerAreaUomExt. To: MassPerTimePerAreaUom <i>Generalization</i>	

12.198 MassPerTimePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimePerAreaUomExt. To: MassPerTimePerAreaUom <i>Generalization</i>	

12.199 MassPerTimePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg/(m.s)		kilogram per metre second
lbm/(ft.h)		pound-mass per hour foot
lbm/(ft.s)		pound-mass per second foot
Pa.s		pascal second

Associations

Association	Notes
From: MassPerTimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: MassPerTimePerLengthUomExt. To: MassPerTimePerLengthUom <i>Generalization</i>	

12.200 MassPerTimePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerTimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimePerLengthUomExt. To: MassPerTimePerLengthUom <i>Generalization</i>	

12.201 MassPerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1E6 lbm/a		million pound-mass per julian-year
g/s		gram per second
kg/d		kilogram per day
kg/h		kilogram per hour
kg/min		kilogram per min
kg/s		kilogram per second
lbm/d		pound-mass per day
lbm/h		pound-mass per hour
lbm/min		pound-mass per minute
lbm/s		pound-mass per second
Mg/a		megagram per julian-year
Mg/d		megagram per day
Mg/h		megagram per hour
Mg/min		megagram per minute
t/a		tonne per julian-year
t/d		tonne per day
t/h		tonne per hour
t/min		tonne per minute
ton[UK]/a		UK ton-mass per julian-year
ton[UK]/d		UK ton-mass per day
ton[UK]/h		UK ton-mass per hour
ton[UK]/min		UK ton-mass per minute
ton[US]/a		US ton-mass per julian-year
ton[US]/d		US ton-mass per day
ton[US]/h		US ton-mass per hour
ton[US]/min		US ton-mass per minute

Associations

Association	Notes
From: MassPerTimeUom. To: UomEnum <i>Generalization</i>	

Association	Notes
<p>From: MassPerTimeUomExt. To: MassPerTimeUom <i>Generalization</i></p>	

12.202 MassPerTimeUomExt

Type: Class *Stereotype:* «XSUnion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerTimeUomExt. To: MassPerTimeUom <i>Generalization</i>	

12.203 MassPerVolumePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
g/cm ⁴		gram per centimetre to the fourth power
kg/dm ⁴		kilogram per decimetre to the fourth power
kg/m ⁴		kilogram per metre to the fourth power
lbm/(gal[UK].ft)		pound-mass per UK gallon foot
lbm/(gal[US].ft)		pound-mass per US gallon foot
lbf/ft ⁴		pound-mass per foot to the fourth power
Pa.s ² /m ³		pascal second squared per cubic metre

Associations

Association	Notes
From: MassPerVolumePerLengthUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerLengthUomExt. To: MassPerVolumePerLengthUom <i>Generalization</i>	

12.204 MassPerVolumePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerVolumePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerVolumePerLengthUomExt. To: MassPerVolumePerLengthUom <i>Generalization</i>	

12.205 MassPerVolumePerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
kg/m3.kPa		
lb/ft.psi		

Associations

Association	Notes
From: MassPerVolumePerPressureUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerPressureUomExt. To: MassPerVolumePerPressureUom <i>Generalization</i>	

12.206 MassPerVolumePerPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Associations

Association	Notes
From: MassPerVolumePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassPerVolumePerPressureUomExt. To: MassPerVolumePerPressureUom <i>Generalization</i>	

12.207 MassPerVolumePerTemperatureUom

Type: Enumeration *Stereotype:*

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Attributes

Name	Type	Notes
kg/m3.degC		
kg/m3.K		
lb/ft.degF		

Associations

Association	Notes
From: MassPerVolumePerTemperatureUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumePerTemperatureUomExt. To: MassPerVolumePerTemperatureUom <i>Generalization</i>	

12.208 MassPerVolumePerTemperatureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 11/11/2016 Last modified: 11/11/2016

Notes:

Associations

Association	Notes
From: MassPerVolumePerTemperatureUomExt. To: MassPerVolumePerTemperatureUom <i>Generalization</i>	
From: MassPerVolumePerTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.209 MassPerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001 lbm/bbl		pound-mass per thousand barrel
0.001 lbm/gal[UK]		pound-mass per thousand UK gallon
0.001 lbm/gal[US]		pound-mass per thousand US gallon
0.01 grain/ft3		grain per hundred cubic foot
0.1 lbm/bbl		pound-mass per ten barrel
10 Mg/m3		ten thousand kilogram per cubic metre
g/cm3		gram per cubic centimetre
g/dm3		gram per cubic decimetre
g/gal[UK]		gram per UK gallon
g/gal[US]		gram per US gallon
g/L		gram per litre
g/m3		gram per cubic metre
grain/ft3		grain per cubic foot
grain/gal[US]		grain per US gallon
kg/dm3		kilogram per cubic decimetre
kg/L		kilogram per litre
kg/m3		kilogram per cubic metre
lbm/bbl		pound-mass per barrel
lbm/ft3		pound-mass per cubic foot
lbm/gal[UK]		pound-mass per UK gallon
lbm/gal[US]		pound-mass per US gallon
lbm/in3		pound-mass per cubic inch
mg/dm3		milligram per cubic decimetre
mg/gal[US]		milligram per US gallon
mg/L		milligram per litre
mg/m3		milligram per cubic metre
Mg/m3		megagram per cubic metre
t/m3		tonne per cubic metre
ug/cm3		microgram per cubic centimetre

Associations

Association	Notes
From: MassPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: MassPerVolumeUomExt. To: MassPerVolumeUom <i>Generalization</i>	

12.210 MassPerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassPerVolumeUomExt. To: MassPerVolumeUom <i>Generalization</i>	
From: MassPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.211 MassUom

Type: Enumeration **Stereotype:**

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ag		attogram
cg		centigram
ct		carat
cwt[UK]		UK hundredweight
cwt[US]		US hundredweight
Eg		exagram
fg		femtogram
g		gram
Gg		gigagram
grain		grain
hg		hectogram
kg		kilogram
klbm		thousand pound-mass
lbtm		pound-mass
mg		milligram
Mg		megagram
ng		nanogram
ozm		ounce-mass
ozm[troy]		troy ounce-mass
pg		picogram
sack[94lbm]		94 pound-mass sack
t		tonne
Tg		teragram
ton[UK]		UK ton-mass
ton[US]		US ton-mass
ug		microgram

Associations

Association	Notes
From: MassUom. To: UomEnum <i>Generalization</i>	

Association	Notes
<p>From: MassUomExt. To: MassUom <i>Generalization</i></p>	

12.212 MassUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MassUomExt. To: MassUom <i>Generalization</i>	

12.213 MobilityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
D/(Pa.s)		darcy per pascal second
D/cP		darcy per centipoise
mD.ft2/(lbf.s)		millidarcy square foot per pound-force second
mD.in2/(lbf.s)		millidarcy square inch per pound-force second
mD/(Pa.s)		millidarcy per pascal second
mD/cP		millidarcy per centipoise
TD[API]/(Pa.s)		teradarcy-API per pascal second

Associations

Association	Notes
From: MobilityUom. To: UomEnum <i>Generalization</i>	
From: MobilityUomExt. To: MobilityUom <i>Generalization</i>	

12.214 MobilityUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MobilityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MobilityUomExt. To: MobilityUom <i>Generalization</i>	

12.215 MolarEnergyUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/lbmol		BTU per pound-mass-mole
J/mol		joule per gram-mole
kcal[th]/mol		thousand calorie per gram-mole
kJ/kmol		kilojoule per kilogram-mole
MJ/kmol		megajoule per kilogram-mole

Associations

Association	Notes
From: MolarEnergyUom. To: UomEnum <i>Generalization</i>	
From: MolarEnergyUomExt. To: MolarEnergyUom <i>Generalization</i>	

12.216 MolarEnergyUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MolarEnergyUomExt. To: MolarEnergyUom <i>Generalization</i>	
From: MolarEnergyUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.217 MolarHeatCapacityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(lbmol.deltaF)		BTU per pound-mass-mole delta Fahrenheit
cal[th]/(mol.deltaC)		calorie per gram-mole delta Celsius
J/(mol.deltaK)		joule per gram-mole delta kelvin
kJ/(kmol.deltaK)		kilojoule per kilogram-mole delta kelvin

Associations

Association	Notes
From: MolarHeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: MolarHeatCapacityUomExt. To: MolarHeatCapacityUom <i>Generalization</i>	

12.218 MolarHeatCapacityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MolarHeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolarHeatCapacityUomExt. To: MolarHeatCapacityUom <i>Generalization</i>	

12.219 MolarVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
dm3/kmol		cubic decimetre per kilogram-mole
ft3/lbmol		cubic foot per pound-mass-mole
L/kmol		litre per kilogram-mole
L/mol		litre per gram-mole
m3/kmol		cubic metre per kilogram-mole
m3/mol		cubic metre per gram-mole

Associations

Association	Notes
From: MolarVolumeUom. To: UomEnum <i>Generalization</i>	
From: MolarVolumeUomExt. To: MolarVolumeUom <i>Generalization</i>	

12.220 MolarVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MolarVolumeUomExt. To: MolarVolumeUom <i>Generalization</i>	
From: MolarVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.221 MolecularWeightUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
g/mol		gram per mole
kg/mol		kilogram per mole
lbm/lbmol		pound-mass per pound-mole

Associations

Association	Notes
From: MolecularWeightUom. To: UomEnum <i>Generalization</i>	
From: MolecularWeightUomExt. To: MolecularWeightUom <i>Generalization</i>	

12.222 MolecularWeightUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MolecularWeightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MolecularWeightUomExt. To: MolecularWeightUom <i>Generalization</i>	

12.223 MomentOfForceUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 lbf.ft		thousand foot pound-force
daN.m		dekanewton metre
dN.m		decinewton metre
J		joule
kgf.m		thousand gram-force metre
kN.m		kilonewton metre
lbf.ft		foot pound-force
lbf.in		inch pound-force
lbm.ft2/s2		pound-mass square foot per second squared
N.m		newton metre
pdl.ft		foot poundal
tonf[US].ft		US ton-force foot
tonf[US].mi		US ton-force mile

Associations

Association	Notes
From: MomentOfForceUom. To: UomEnum <i>Generalization</i>	
From: MomentOfForceUomExt. To: MomentOfForceUom <i>Generalization</i>	

12.224 MomentOfForceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MomentOfForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MomentOfForceUomExt. To: MomentOfForceUom <i>Generalization</i>	

12.225 MomentOfInertiaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg.m2		kilogram square metre
lbm.ft2		pound-mass square foot

Associations

Association	Notes
From: MomentOfInertiaUom. To: UomEnum <i>Generalization</i>	
From: MomentOfInertiaUomExt. To: MomentOfInertiaUom <i>Generalization</i>	

12.226 MomentOfInertiaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MomentOfInertiaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: MomentOfInertiaUomExt. To: MomentOfInertiaUom <i>Generalization</i>	

12.227 MomentumUom

Type: Enumeration **Stereotype:**

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
kg.m/s		kilogram metre per second
lbm.ft/s		foot pound-mass per second

Associations

Association	Notes
From: MomentumUom. To: UomEnum <i>Generalization</i>	
From: MomentumUomExt. To: MomentumUom <i>Generalization</i>	

12.228 MomentumUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MomentumUomExt. To: MomentumUom <i>Generalization</i>	
From: MomentumUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.229 NormalizedPowerUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
B.W		bel watt
dB.mW		decibel milliwatt
dB.MW		decibel megawatt
dB.W		decibel watt

Associations

Association	Notes
From: NormalizedPowerUom. To: UomEnum <i>Generalization</i>	
From: NormalizedPowerUomExt. To: NormalizedPowerUom <i>Generalization</i>	

12.230 NormalizedPowerUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: NormalizedPowerUomExt. To: NormalizedPowerUom <i>Generalization</i>	
From: NormalizedPowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.231 PermeabilityLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
D.ft		darcy foot
D.m		darcy metre
mD.ft		millidarcy foot
mD.m		millidarcy metre
TD[API].m		teradarcy-API metre

Associations

Association	Notes
From: PermeabilityLengthUom. To: UomEnum <i>Generalization</i>	
From: PermeabilityLengthUomExt. To: PermeabilityLengthUom <i>Generalization</i>	

12.232 PermeabilityLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PermeabilityLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PermeabilityLengthUomExt. To: PermeabilityLengthUom <i>Generalization</i>	

12.233 PermeabilityRockUom

Type: Enumeration **Stereotype:**

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
D		darcy
D[API]		darcy-API
mD		millidarcy
TD[API]		teradarcy-API

Associations

Association	Notes
From: PermeabilityRockUom. To: UomEnum <i>Generalization</i>	
From: PermeabilityRockUomExt. To: PermeabilityRockUom <i>Generalization</i>	

12.234 PermeabilityRockUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PermeabilityRockUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PermeabilityRockUomExt. To: PermeabilityRockUom <i>Generalization</i>	

12.235 PermittivityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
F/m		farad per metre
uF/m		microfarad per metre

Associations

Association	Notes
From: PermittivityUom. To: UomEnum <i>Generalization</i>	
From: PermittivityUomExt. To: PermittivityUom <i>Generalization</i>	

12.236 PermittivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PermittivityUomExt. To: PermittivityUom <i>Generalization</i>	
From: PermittivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.237 PlaneAngleUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001_seca		angular millisecond
ccgr		centesimal-second
cgr		centesimal-minute
ddeg		angular degree
gon		gon
krad		kiloradian
mila		angular mil
mina		angular minute
Mrad		megaradian
mrad		milliradian
rad		radian
rev		revolution
seca		angular second
urad		microradian

Associations

Association	Notes
From: PlaneAngleUom. To: UomEnum <i>Generalization</i>	
From: PlaneAngleUomExt. To: PlaneAngleUom <i>Generalization</i>	

12.238 PlaneAngleUomExt

Type: Class Stereotype: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PlaneAngleUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PlaneAngleUomExt. To: PlaneAngleUom <i>Generalization</i>	

12.239 PotentialDifferencePerPowerDropUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
V/B		volt per bel
V/dB		volt per decibel

Associations

Association	Notes
From: PotentialDifferencePerPowerDropUom. To: UomEnum <i>Generalization</i>	
From: PotentialDifferencePerPowerDropUomExt. To: PotentialDifferencePerPowerDropUom <i>Generalization</i>	

12.240 PotentialDifferencePerPowerDropUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PotentialDifferencePerPowerDropUomExt. To: PotentialDifferencePerPowerDropUom <i>Generalization</i>	
From: PotentialDifferencePerPowerDropUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.241 PowerPerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(h.ft2)		(BTU per hour) per square foot
Btu[IT]/(s.ft2)		BTU per second square foot
cal[th]/(h.cm2)		calorie per hour square centimetre
hp/in2		horsepower per square inch
hp[hyd]/in2		hydraulic-horsepower per square inch
kW/cm2		kilowatt per square centimetre
kW/m2		kilowatt per square metre
mW/m2		milliwatt per square metre
ucal[th]/(s.cm2)		millionth of calorie per second square centimetre
W/cm2		watt per square centimetre
W/m2		watt per square metre
W/mm2		watt per square millimetre

Associations

Association	Notes
From: PowerPerAreaUom. To: UomEnum <i>Generalization</i>	
From: PowerPerAreaUomExt. To: PowerPerAreaUom <i>Generalization</i>	

12.242 PowerPerAreaUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PowerPerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerPerAreaUomExt. To: PowerPerAreaUom <i>Generalization</i>	

12.243 PowerPerPowerUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
Btu[IT]/(hp.h)		BTU per horsepower hour
Euc		euclid
W/kW		watt per kilowatt
W/W		watt per watt

Associations

Association	Notes
From: PowerPerPowerUom. To: UomEnum <i>Generalization</i>	
From: PowerPerPowerUomExt. To: PowerPerPowerUom <i>Generalization</i>	

12.244 PowerPerPowerUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PowerPerPowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerPerPowerUomExt. To: PowerPerPowerUom <i>Generalization</i>	

12.245 PowerPerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(h.ft3)		BTU per hour cubic foot
Btu[IT]/(s.ft3)		(BTU per second) per cubic foot
cal[th]/(h.cm3)		calorie per hour cubic centimetre
cal[th]/(s.cm3)		calorie per second cubic centimetre
hp/ft3		horsepower per cubic foot
kW/m3		kilowatt per cubic metre
uW/m3		microwatt per cubic metre
W/m3		watt per cubic metre

Associations

Association	Notes
From: PowerPerVolumeUom. To: UomEnum <i>Generalization</i>	
From: PowerPerVolumeUomExt. To: PowerPerVolumeUom <i>Generalization</i>	

12.246 PowerPerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PowerPerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerPerVolumeUomExt. To: PowerPerVolumeUom <i>Generalization</i>	

12.247 PowerUom

Type: Enumeration **Stereotype:**

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cW		centiwatt
dW		deciwatt
EW		exawatt
fW		femtowatt
GW		gigawatt
hp		horsepower
hp[elec]		electric-horsepower
hp[hyd]		hydraulic-horsepower
hp[metric]		metric-horsepower
kW		kilowatt
MW		megawatt
mW		milliwatt
nW		nanowatt
pW		picowatt
tonRefrig		ton-refrigeration
TW		terawatt
uW		microwatt
W		watt

Associations

Association	Notes
From: PowerUom. To: UomEnum <i>Generalization</i>	
From: PowerUomExt. To: PowerUom <i>Generalization</i>	

12.248 PowerUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PowerUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PowerUomExt. To: PowerUom <i>Generalization</i>	

12.249 PressurePerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
atm/atm		standard atmosphere per standard atmosphere
bar/bar		bar per bar
Euc		euclid
kPa/kPa		kilopascal per kilopascal
MPa/MPa		megapascal per megapascal
Pa/Pa		pascal per pascal
psi/psi		psi per psi

Associations

Association	Notes
From: PressurePerPressureUom. To: UomEnum <i>Generalization</i>	
From: PressurePerPressureUomExt. To: PressurePerPressureUom <i>Generalization</i>	

12.250 PressurePerPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressurePerPressureUomExt. To: PressurePerPressureUom <i>Generalization</i>	
From: PressurePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.251 PressurePerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
atm/h		standard atmosphere per hour
bar/h		bar per hour
kPa/h		kilopascal per hour
kPa/min		kilopascal per min
MPa/h		megapascal per hour
Pa/h		pascal per hour
Pa/s		pascal per second
psi/h		psi per hour
psi/min		psi per minute

Associations

Association	Notes
From: PressurePerTimeUom. To: UomEnum <i>Generalization</i>	
From: PressurePerTimeUomExt. To: PressurePerTimeUom <i>Generalization</i>	

12.252 PressurePerTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressurePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressurePerTimeUomExt. To: PressurePerTimeUom <i>Generalization</i>	

12.253 PressurePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Pa/m3		pascal per cubic metre
psi2.d/(cP.ft3)		psi squared day per centipoise cubic foot

Associations

Association	Notes
From: PressurePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: PressurePerVolumeUomExt. To: PressurePerVolumeUom <i>Generalization</i>	

12.254 PressurePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressurePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressurePerVolumeUomExt. To: PressurePerVolumeUom <i>Generalization</i>	

12.255 PressureSquaredPerForceTimePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001 kPa2/cP		kilopascal squared per thousand centipoise
bar2/cP		bar squared per centipoise
kPa2/cP		kilopascal squared per centipoise
Pa2/(Pa.s)		pascal squared per pascal second
psi2/cP		psi squared per centipoise

Associations

Association	Notes
From: PressureSquaredPerForceTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaUomExt. To: PressureSquaredPerForceTimePerAreaUom <i>Generalization</i>	

12.256 PressureSquaredPerForceTimePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressureSquaredPerForceTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureSquaredPerForceTimePerAreaUomExt. To: PressureSquaredPerForceTimePerAreaUom <i>Generalization</i>	

12.257 PressureSquaredUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bar2		bar squared
GPa2		gigapascal squared
kPa2		kilopascal squared
kpsi2		(thousand psi) squared
Pa2		pascal squared
psi2		psi squared

Associations

Association	Notes
From: PressureSquaredUom. To: UomEnum <i>Generalization</i>	
From: PressureSquaredUomExt. To: PressureSquaredUom <i>Generalization</i>	

12.258 PressureSquaredUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressureSquaredUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: PressureSquaredUomExt. To: PressureSquaredUom <i>Generalization</i>	

12.259 PressureTimePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Pa.s/m3		pascal second per cubic metre
psi.d/bbl		psi day per barrel

Associations

Association	Notes
From: PressureTimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: PressureTimePerVolumeUomExt. To: PressureTimePerVolumeUom <i>Generalization</i>	

12.260 PressureTimePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressureTimePerVolumeUomExt. To: PressureTimePerVolumeUom <i>Generalization</i>	
From: PressureTimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.261 PressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 lbf/ft2		pound-force per hundred square foot
at		technical atmosphere
atm		standard atmosphere
bar		bar
cmH2O[4degC]		centimetre of water at 4 degree Celsius
cPa		centipascal
dPa		decipascal
dyne/cm2		dyne per square centimetre
EPa		exapascal
fPa		femtopascal
GPa		gigapascal
hbar		hundred bar
inH2O[39degF]		inch of water at 39.2 degree Fahrenheit
inH2O[60degF]		inch of water at 60 degree Fahrenheit
inHg[32degF]		inch of mercury at 32 degree Fahrenheit
inHg[60degF]		inch of mercury at 60 degree Fahrenheit
kgf/cm2		thousand gram-force per square centimetre
kgf/m2		thousand gram-force per square metre
kgf/mm2		thousand gram-force per square millimetre
kN/m2		kilonewton per square metre
kPa		kilopascal
kpsi		thousand psi
lbf/ft2		pound-force per square foot
mbar		thousandth of bar
mmHg[0degC]		millimetres of Mercury at 0 deg C
mPa		millipascal
MPa		megapascal
Mpsi		million psi
N/m2		newton per square metre
N/mm2		newton per square millimetre
nPa		nanopascal

Pa		pascal
pPa		picopascal
psi		pound-force per square inch
tonf[UK]/ft2		UK ton-force per square foot
tonf[US]/ft2		US ton-force per square foot
tonf[US]/in2		US ton-force per square inch
torr		torr
TPa		terapascal
ubar		millionth of bar
umHg[0degC]		micrometre of mercury at 0 degree Celsius
uPa		micropascal
upsi		millionth of psi

Associations

Association	Notes
From: PressureUom. To: UomEnum <i>Generalization</i>	
From: PressureUomExt. To: PressureUom <i>Generalization</i>	

12.262 PressureUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: PressureUomExt. To: PressureUom <i>Generalization</i>	
From: PressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.263 QuantityOfLightUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
lm.s		lumen second

Associations

Association	Notes
From: QuantityOfLightUom. To: UomEnum <i>Generalization</i>	
From: QuantityOfLightUomExt. To: QuantityOfLightUom <i>Generalization</i>	

12.264 QuantityOfLightUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: QuantityOfLightUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: QuantityOfLightUomExt. To: QuantityOfLightUom <i>Generalization</i>	

12.265 RadianceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
W/(m ² .sr)		watt per square metre steradian

Associations

Association	Notes
From: RadianceUom. To: UomEnum <i>Generalization</i>	
From: RadianceUomExt. To: RadianceUom <i>Generalization</i>	

12.266 RadianceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: RadianceUomExt. To: RadianceUom <i>Generalization</i>	
From: RadianceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.267 RadiantIntensityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
W/sr		watt per steradian

Associations

Association	Notes
From: RadiantIntensityUom. To: UomEnum <i>Generalization</i>	
From: RadiantIntensityUomExt. To: RadiantIntensityUom <i>Generalization</i>	

12.268 RadiantIntensityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: RadiantIntensityUomExt. To: RadiantIntensityUom <i>Generalization</i>	
From: RadiantIntensityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.269 ReciprocalAreaUom

Type: Enumeration **Stereotype:**

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/ft ²		per square foot
1/km ²		per square kilometre
1/m ²		per square metre
1/mi ²		per square mile

Associations

Association	Notes
From: ReciprocalAreaUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalAreaUomExt. To: ReciprocalAreaUom <i>Generalization</i>	

12.270 ReciprocalAreaUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalAreaUomExt. To: ReciprocalAreaUom <i>Generalization</i>	
From: ReciprocalAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.271 ReciprocalElectricPotentialDifferenceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/uV		per microvolt
1/V		per volt

Associations

Association	Notes
From: ReciprocalElectricPotentialDifferenceUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceUomExt. To: ReciprocalElectricPotentialDifferenceUom <i>Generalization</i>	

12.272 ReciprocalElectricPotentialDifferenceUomExt

Type: Class **Stereotype:** «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalElectricPotentialDifferenceUomExt. To: ReciprocalElectricPotentialDifferenceUom <i>Generalization</i>	
From: ReciprocalElectricPotentialDifferenceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.273 ReciprocalForceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/lbf		per pound-force
1/N		per Newton

Associations

Association	Notes
From: ReciprocalForceUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalForceUomExt. To: ReciprocalForceUom <i>Generalization</i>	

12.274 ReciprocalForceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalForceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalForceUomExt. To: ReciprocalForceUom <i>Generalization</i>	

12.275 ReciprocalLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/angstrom		per angstrom
1/cm		per centimetre
1/ft		per foot
1/in		per inch
1/m		per metre
1/mi		per mile
1/mm		per millimetre
1/nm		per nanometre
1/yd		per yard
1E-9 1/ft		per thousand million foot

Associations

Association	Notes
From: ReciprocalLengthUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalLengthUomExt. To: ReciprocalLengthUom <i>Generalization</i>	

12.276 ReciprocalLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalLengthUomExt. To: ReciprocalLengthUom <i>Generalization</i>	
From: ReciprocalLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.277 ReciprocalMassTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/(kg.s)		per (kilogram per second)
Bq/kg		becquerel per kilogram
pCi/g		picocurie per gram

Associations

Association	Notes
From: ReciprocalMassTimeUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalMassTimeUomExt. To: ReciprocalMassTimeUom <i>Generalization</i>	

12.278 ReciprocalMassTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalMassTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalMassTimeUomExt. To: ReciprocalMassTimeUom <i>Generalization</i>	

12.279 ReciprocalMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/g		per gram
1/kg		per kilogram
1/lbm		per pound

Associations

Association	Notes
From: ReciprocalMassUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalMassUomExt. To: ReciprocalMassUom <i>Generalization</i>	

12.280 ReciprocalMassUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReciprocalMassUomExt. To: ReciprocalMassUom <i>Generalization</i>	

12.281 ReciprocalPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/bar		per bar
1/kPa		per kilopascal
1/Pa		per pascal
1/pPa		per picopascal
1/psi		per psi
1/upsi		per millionth of psi

Associations

Association	Notes
From: ReciprocalPressureUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalPressureUomExt. To: ReciprocalPressureUom <i>Generalization</i>	

12.282 ReciprocalPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalPressureUomExt. To: ReciprocalPressureUom <i>Generalization</i>	
From: ReciprocalPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.283 ReciprocalTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/a		per julian-year
1/d		per day
1/h		per hour
1/min		per minute
1/ms		per millisecond
1/s		per second
1/us		per microsecond
1/wk		per week

Associations

Association	Notes
From: ReciprocalTimeUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalTimeUomExt. To: ReciprocalTimeUom <i>Generalization</i>	

12.284 ReciprocalTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalTimeUomExt. To: ReciprocalTimeUom <i>Generalization</i>	
From: ReciprocalTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.285 ReciprocalVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/bbl		per barrel
1/ft3		per cubic foot
1/gal[UK]		per UK gallon
1/gal[US]		per US gallon
1/L		per litre
1/m3		per cubic metre

Associations

Association	Notes
From: ReciprocalVolumeUom. To: UomEnum <i>Generalization</i>	
From: ReciprocalVolumeUomExt. To: ReciprocalVolumeUom <i>Generalization</i>	

12.286 ReciprocalVolumeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReciprocalVolumeUomExt. To: ReciprocalVolumeUom <i>Generalization</i>	
From: ReciprocalVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.287 ReluctanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/H		per henry

Associations

Association	Notes
From: ReluctanceUom. To: UomEnum <i>Generalization</i>	
From: ReluctanceUomExt. To: ReluctanceUom <i>Generalization</i>	

12.288 ReluctanceUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ReluctanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ReluctanceUomExt. To: ReluctanceUom <i>Generalization</i>	

12.289 SecondMomentOfAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm4		centimetre to the fourth power
in4		inch to the fourth power
m4		metre to the fourth power

Associations

Association	Notes
From: SecondMomentOfAreaUom. To: UomEnum <i>Generalization</i>	
From: SecondMomentOfAreaUomExt. To: SecondMomentOfAreaUom <i>Generalization</i>	

12.290 SecondMomentOfAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: SecondMomentOfAreaUomExt. To: SecondMomentOfAreaUom <i>Generalization</i>	
From: SecondMomentOfAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.291 **SignalingEventPerTimeUom**

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Bd		baud

Associations

Association	Notes
From: SignalingEventPerTimeUom. To: UomEnum <i>Generalization</i>	
From: SignalingEventPerTimeUomExt. To: SignalingEventPerTimeUom <i>Generalization</i>	

12.292 SignalingEventPerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: SignalingEventPerTimeUomExt. To: SignalingEventPerTimeUom <i>Generalization</i>	
From: SignalingEventPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.293 SolidAngleUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
sr		steradian

Associations

Association	Notes
From: SolidAngleUom. To: UomEnum <i>Generalization</i>	
From: SolidAngleUomExt. To: SolidAngleUom <i>Generalization</i>	

12.294 SolidAngleUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: SolidAngleUomExt. To: SolidAngleUom <i>Generalization</i>	
From: SolidAngleUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.295 SpecificHeatCapacityUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(lbm.deltaF)		BTU per pound-mass delta Fahrenheit
Btu[IT]/(lbm.deltaR)		BTU per pound-mass delta Rankine
cal[th]/(g.deltaK)		calorie per gram delta kelvin
J/(g.deltaK)		joule per gram delta kelvin
J/(kg.deltaK)		joule per kilogram delta kelvin
kcal[th]/(kg.deltaC)		thousand calorie per kilogram delta Celsius
kJ/(kg.deltaK)		kilojoule per kilogram delta kelvin
kW.h/(kg.deltaC)		kilowatt hour per kilogram delta Celsius

Associations

Association	Notes
From: SpecificHeatCapacityUom. To: UomEnum <i>Generalization</i>	
From: SpecificHeatCapacityUomExt. To: SpecificHeatCapacityUom <i>Generalization</i>	

12.296 SpecificHeatCapacityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: SpecificHeatCapacityUomExt. To: SpecificHeatCapacityUom <i>Generalization</i>	
From: SpecificHeatCapacityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.297 TemperatureIntervalPerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 deltaF/ft		delta Fahrenheit per hundred foot
deltaC/ft		delta Celsius per foot
deltaC/hm		delta Celsius per hectometre
deltaC/km		delta Celsius per kilometre
deltaC/m		delta Celsius per metre
deltaF/ft		delta Fahrenheit per foot
deltaF/m		delta Fahrenheit per metre
deltaK/km		delta kelvin per kilometre
deltaK/m		delta kelvin per metre

Associations

Association	Notes
From: TemperatureIntervalPerLengthUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerLengthUomExt. To: TemperatureIntervalPerLengthUom <i>Generalization</i>	

12.298 TemperatureIntervalPerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TemperatureIntervalPerLengthUomExt. To: TemperatureIntervalPerLengthUom <i>Generalization</i>	
From: TemperatureIntervalPerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.299 TemperatureIntervalPerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
deltaC/kPa		delta Celsius per kilopascal
deltaF/psi		delta Fahrenheit per psi
deltaK/Pa		delta kelvin per Pascal

Associations

Association	Notes
From: TemperatureIntervalPerPressureUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerPressureUomExt. To: TemperatureIntervalPerPressureUom <i>Generalization</i>	

12.300 TemperatureIntervalPerPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TemperatureIntervalPerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalPerPressureUomExt. To: TemperatureIntervalPerPressureUom <i>Generalization</i>	

12.301 TemperatureIntervalPerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
deltaC/h		delta Celsius per hour
deltaC/min		delta Celsius per minute
deltaC/s		delta Celsius per second
deltaF/h		delta Fahrenheit per hour
deltaF/min		delta Fahrenheit per minute
deltaF/s		delta Fahrenheit per second
deltaK/s		delta kelvin per second

Associations

Association	Notes
From: TemperatureIntervalPerTimeUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalPerTimeUomExt. To: TemperatureIntervalPerTimeUom <i>Generalization</i>	

12.302 TemperatureIntervalPerTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TemperatureIntervalPerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalPerTimeUomExt. To: TemperatureIntervalPerTimeUom <i>Generalization</i>	

12.303 TemperatureIntervalUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
deltaC		delta Celsius
deltaF		delta Fahrenheit
deltaK		delta kelvin
deltaR		delta Rankine

Associations

Association	Notes
From: TemperatureIntervalUom. To: UomEnum <i>Generalization</i>	
From: TemperatureIntervalUomExt. To: TemperatureIntervalUom <i>Generalization</i>	

12.304 TemperatureIntervalUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TemperatureIntervalUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TemperatureIntervalUomExt. To: TemperatureIntervalUom <i>Generalization</i>	

12.305 ThermalConductanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
W/deltaK		watt per delta kelvin

Associations

Association	Notes
From: ThermalConductanceUom. To: UomEnum <i>Generalization</i>	
From: ThermalConductanceUomExt. To: ThermalConductanceUom <i>Generalization</i>	

12.306 ThermalConductanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermalConductanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalConductanceUomExt. To: ThermalConductanceUom <i>Generalization</i>	

12.307 ThermalConductivityUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(h.ft.deltaF)		BTU per hour foot delta Fahrenheit
cal[th]/(h.cm.deltaC)		calorie per hour centimetre delta Celsius
cal[th]/(s.cm.deltaC)		calorie per second centimetre delta Celsius
kcal[th]/(h.m.deltaC)		thousand calorie per hour metre delta Celsius
W/(m.deltaK)		watt per metre delta kelvin

Associations

Association	Notes
From: ThermalConductivityUom. To: UomEnum <i>Generalization</i>	
From: ThermalConductivityUomExt. To: ThermalConductivityUom <i>Generalization</i>	

12.308 ThermalConductivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermalConductivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalConductivityUomExt. To: ThermalConductivityUom <i>Generalization</i>	

12.309 ThermalDiffusivityUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
cm ² /s		square centimetre per second
ft ² /h		square foot per hour
ft ² /s		square foot per second
in ² /s		square inch per second
m ² /h		square metre per hour
m ² /s		square metre per second
mm ² /s		square millimetre per second

Associations

Association	Notes
From: ThermalDiffusivityUom. To: UomEnum <i>Generalization</i>	
From: ThermalDiffusivityUomExt. To: ThermalDiffusivityUom <i>Generalization</i>	

12.310 ThermalDiffusivityUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermalDiffusivityUomExt. To: ThermalDiffusivityUom <i>Generalization</i>	
From: ThermalDiffusivityUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.311 ThermallInsulanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
deltaC.m2.h/kcal[th]		delta Celsius square metre hour per thousand calory
deltaF.ft2.h/Btu[IT]		delta Fahrenheit square foot hour per BTU
deltaK.m2/kW		delta kelvin square metre per kilowatt
deltaK.m2/W		delta kelvin square metre per watt

Associations

Association	Notes
From: ThermallInsulanceUom. To: UomEnum <i>Generalization</i>	
From: ThermallInsulanceUomExt. To: ThermallInsulanceUom <i>Generalization</i>	

12.312 ThermallInsulanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermallInsulanceUomExt. To: ThermallInsulanceUom <i>Generalization</i>	
From: ThermallInsulanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.313 ThermalResistanceUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
deltaK/W		delta kelvin per watt

Associations

Association	Notes
From: ThermalResistanceUom. To: UomEnum <i>Generalization</i>	
From: ThermalResistanceUomExt. To: ThermalResistanceUom <i>Generalization</i>	

12.314 ThermalResistanceUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermalResistanceUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermalResistanceUomExt. To: ThermalResistanceUom <i>Generalization</i>	

12.315 ThermodynamicTemperaturePerThermodynamicTemperatureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
degC/degC		degree Celsius per degree Celsius
degF/degF		degree Fahrenheit per degree Fahrenheit
degR/degR		degree Rankine per degree Rankine
Euc		euclid
K/K		kelvin per kelvin

Associations

Association	Notes
From: ThermodynamicTemperaturePerThermodynamicTemperatureUom. To: UomEnum <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureUomExt. To: ThermodynamicTemperaturePerThermodynamicTemperatureUom <i>Generalization</i>	

12.316 ThermodynamicTemperaturePerThermodynamicTemperatureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 8/4/2016 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermodynamicTemperaturePerThermodynamicTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermodynamicTemperaturePerThermodynamicTemperatureUomExt. To: ThermodynamicTemperaturePerThermodynamicTemperatureUom <i>Generalization</i>	

12.317 ThermodynamicTemperatureUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
degC		degree Celsius
degF		degree Fahrenheit
degR		degree Rankine
K		degree kelvin

Associations

Association	Notes
From: ThermodynamicTemperatureUom. To: UomEnum <i>Generalization</i>	
From: ThermodynamicTemperatureUomExt. To: ThermodynamicTemperatureUom <i>Generalization</i>	

12.318 ThermodynamicTemperatureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ThermodynamicTemperatureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: ThermodynamicTemperatureUomExt. To: ThermodynamicTemperatureUom <i>Generalization</i>	

12.319 TimePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001 h/ft		hour per thousand foot
h/km		hour per kilometre
min/ft		minute per foot
min/m		minute per metre
ms/cm		millisecond per centimetre
ms/ft		millisecond per foot
ms/in		millisecond per inch
ms/m		millisecond per metre
ns/ft		nanosecond per foot
ns/m		nanosecond per metre
s/cm		second per centimetre
s/ft		second per foot
s/in		second per inch
s/m		second per metre
us/ft		microsecond per foot
us/in		microsecond per inch
us/m		microsecond per metre

Associations

Association	Notes
From: TimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: TimePerLengthUomExt. To: TimePerLengthUom <i>Generalization</i>	

12.320 TimePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerLengthUomExt. To: TimePerLengthUom <i>Generalization</i>	

12.321 TimePerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
s/kg		second per kilogram

Associations

Association	Notes
From: TimePerMassUom. To: UomEnum <i>Generalization</i>	
From: TimePerMassUomExt. To: TimePerMassUom <i>Generalization</i>	

12.322 TimePerMassUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerMassUomExt. To: TimePerMassUom <i>Generalization</i>	

12.323 TimePerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
Euc		euclid
ms/s		millisecond per second
s/s		second per second

Associations

Association	Notes
From: TimePerTimeUom. To: UomEnum <i>Generalization</i>	
From: TimePerTimeUomExt. To: TimePerTimeUom <i>Generalization</i>	

12.324 TimePerTimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimePerTimeUomExt. To: TimePerTimeUom <i>Generalization</i>	

12.325 TimePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.001 d/ft3		day per thousand cubic foot
d/bbl		day per barrel
d/ft3		day per cubic foot
d/m3		day per cubic metre
h/ft3		hour per cubic foot
h/m3		hour per cubic metre
s/ft3		second per cubic foot
s/L		second per litre
s/m3		second per cubic metre
s/qt[UK]		second per UK quart
s/qt[US]		second per US quart

Associations

Association	Notes
From: TimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: TimePerVolumeUomExt. To: TimePerVolumeUom <i>Generalization</i>	

12.326 TimePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimePerVolumeUomExt. To: TimePerVolumeUom <i>Generalization</i>	
From: TimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.327 TimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/2 ms		half of millisecond
100 ka[t]		hundred thousand tropical-year
a		julian-year
a[t]		tropical-year
ca		hundredth of julian-year
cs		centisecond
d		day
ds		decisecond
Ea[t]		million million million tropical-year
fa		femtojulian-year
Ga[t]		thousand million tropical-year
h		hour
hs		hectosecond
ka[t]		thousand tropical-year
Ma[t]		million tropical-year
min		minute
ms		millisecond
na		nanojulian-year
ns		nanosecond
ps		picosecond
s		second
Ta[t]		million million tropical-year
us		microsecond
wk		week

Associations

Association	Notes
From: TimeUom. To: UomEnum <i>Generalization</i>	
From: TimeUomExt. To: TimeUom <i>Generalization</i>	

12.328 TimeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: TimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: TimeUomExt. To: TimeUom <i>Generalization</i>	

12.329 VerticalCoordinateUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 11/11/2016

Notes: The units of measure that are valid for vertical gravity based coordinates (i.e., elevation or vertical depth).

Attributes

Name	Type	Notes
m		meter
ft		International Foot
ftUS		US Survey Foot
ftBr(65)		British Foot 1865

Associations

Association	Notes
From: VerticalCoordinateUom. To: UomEnum <i>Generalization</i>	
From: VerticalCoordinateUomExt. To: VerticalCoordinateUom <i>Generalization</i>	

12.330 VerticalCoordinateUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VerticalCoordinateUomExt. To: VerticalCoordinateUom <i>Generalization</i>	
From: VerticalCoordinateUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.331 VolumeFlowRatePerVolumeFlowRateUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
(bbl/d)/(bbl/d)		(barrel per day) per (barrel per day)
(m3/d)/(m3/d)		(cubic metre per day) per (cubic metre per day)
(m3/s)/(m3/s)		(cubic metre per second) per (cubic metre per second)
1E6 (ft3/d)/(bbl/d)		(million cubic foot per day) per (barrel per day)
Euc		euclid

Associations

Association	Notes
From: VolumeFlowRatePerVolumeFlowRateUom. To: UomEnum <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateUomExt. To: VolumeFlowRatePerVolumeFlowRateUom <i>Generalization</i>	

12.332 VolumeFlowRatePerVolumeFlowRateUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumeFlowRatePerVolumeFlowRateUomExt. To: VolumeFlowRatePerVolumeFlowRateUom <i>Generalization</i>	
From: VolumeFlowRatePerVolumeFlowRateUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.333 VolumePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1E6 bbl/acre		million barrel per acre
bbl/acre		barrel per acre
ft3/ft2		cubic foot per square foot
m3/m2		cubic metre per square metre

Associations

Association	Notes
From: VolumePerAreaUom. To: UomEnum <i>Generalization</i>	
From: VolumePerAreaUomExt. To: VolumePerAreaUom <i>Generalization</i>	

12.334 VolumePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerAreaUomExt. To: VolumePerAreaUom <i>Generalization</i>	
From: VolumePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.335 VolumePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 dm ³ /km		cubic decimetre per hundred kilometre
0.01 L/km		litre per hundred kilometre
bbl/ft		barrel per foot
bbl/in		barrel per inch
bbl/mi		barrel per mile
dm ³ /m		cubic decimetre per metre
ft ³ /ft		cubic foot per foot
gal[UK]/mi		UK gallon per mile
gal[US]/ft		US gallon per foot
gal[US]/mi		US gallon per mile
in ³ /ft		cubic inch per foot
L/m		litre per metre
m ³ /km		cubic metre per kilometre
m ³ /m		cubic metre per metre

Associations

Association	Notes
From: VolumePerLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerLengthUomExt. To: VolumePerLengthUom <i>Generalization</i>	

12.336 VolumePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerLengthUomExt. To: VolumePerLengthUom <i>Generalization</i>	

12.337 VolumePerMassUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
0.01 L/kg		litre per hundred kilogram
bbl/ton[UK]		barrel per UK ton-mass
bbl/ton[US]		barrel per US ton-mass
cm ³ /g		cubic centimetre per gram
dm ³ /kg		cubic decimetre per kilogram
dm ³ /t		cubic decimetre per ton
ft ³ /kg		cubic foot per kilogram
ft ³ /lbm		cubic foot per pound-mass
ft ³ /sack[94lbm]		cubic foot per 94-pound-sack
gal[UK]/lbm		UK gallon per pound-mass
gal[US]/lbm		US gallon per pound-mass
gal[US]/sack[94lbm]		US gallon per 94-pound-sack
gal[US]/ton[UK]		US gallon per UK ton-mass
gal[US]/ton[US]		US gallon per US ton-mass
L/kg		litre per kilogram
L/t		litre per tonne
L/ton[UK]		litre per UK ton-mass
m ³ /g		cubic metre per gram
m ³ /kg		cubic metre per kilogram
m ³ /t		cubic metre per tonne
m ³ /ton[UK]		cubic metre per UK ton-mass
m ³ /ton[US]		cubic metre per US ton-mass

Associations

Association	Notes
From: VolumePerMassUom. To: UomEnum <i>Generalization</i>	
From: VolumePerMassUomExt. To: VolumePerMassUom <i>Generalization</i>	

12.338 VolumePerMassUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerMassUomExt. To: VolumePerMassUom <i>Generalization</i>	
From: VolumePerMassUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.339 VolumePerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bbl/psi		barrel per psi
m3/kPa		cubic metre per kilopascal
m3/Pa		cubic metre per Pascal

Associations

Association	Notes
From: VolumePerPressureUom. To: UomEnum <i>Generalization</i>	
From: VolumePerPressureUomExt. To: VolumePerPressureUom <i>Generalization</i>	

12.340 VolumePerPressureUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerPressureUomExt. To: VolumePerPressureUom <i>Generalization</i>	

12.341 VolumePerRotationUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft3/rad		cubic foot per radian
m3/rad		cubic metre per radian
m3/rev		cubic metre per revolution

Associations

Association	Notes
From: VolumePerRotationUom. To: UomEnum <i>Generalization</i>	
From: VolumePerRotationUomExt. To: VolumePerRotationUom <i>Generalization</i>	

12.342 VolumePerRotationUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerRotationUomExt. To: VolumePerRotationUom <i>Generalization</i>	
From: VolumePerRotationUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.343 VolumePerTimeLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 bbl.ft/d		thousand barrel foot per day
1000 m4/d		thousand (cubic metre per day) metre
m4/s		metre to the fourth power per second

Associations

Association	Notes
From: VolumePerTimeLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimeLengthUomExt. To: VolumePerTimeLengthUom <i>Generalization</i>	

12.344 VolumePerTimeLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimeLengthUomExt. To: VolumePerTimeLengthUom <i>Generalization</i>	
From: VolumePerTimeLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.345 VolumePerTimePerAreaUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ft3/(min.ft2)		cubic foot per minute square foot
ft3/(s.ft2)		cubic foot per second square foot
gal[UK]/(h.ft2)		UK gallon per hour square foot
gal[UK]/(h.in2)		UK gallon per hour square inch
gal[UK]/(min.ft2)		UK gallon per minute square foot
gal[US]/(h.ft2)		US gallon per hour square foot
gal[US]/(h.in2)		US gallon per hour square inch
gal[US]/(min.ft2)		US gallon per minute square foot
m3/(s.m2)		cubic metre per second square metre

Associations

Association	Notes
From: VolumePerTimePerAreaUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerAreaUomExt. To: VolumePerTimePerAreaUom <i>Generalization</i>	

12.346 VolumePerTimePerAreaUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerAreaUomExt. To: VolumePerTimePerAreaUom <i>Generalization</i>	
From: VolumePerTimePerAreaUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.347 VolumePerTimePerLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 ft ³ /(d.ft)		(thousand cubic foot per day) per foot
1000 m ³ /(d.m)		(thousand cubic metre per day) per metre
1000 m ³ /(h.m)		(thousand cubic metre per hour) per metre
bbl/(d.ft)		barrel per day foot
ft ³ /(d.ft)		(cubic foot per day) per foot
gal[UK]/(h.ft)		UK gallon per hour foot
gal[UK]/(h.in)		UK gallon per hour inch
gal[UK]/(min.ft)		UK gallon per minute foot
gal[US]/(h.ft)		US gallon per hour foot
gal[US]/(h.in)		US gallon per hour inch
gal[US]/(min.ft)		US gallon per minute foot
m ³ /(d.m)		(cubic metre per day) per metre
m ³ /(h.m)		(cubic metre per hour) per metre
m ³ /(s.ft)		(cubic metre per second) per foot
m ³ /(s.m)		cubic metre per second metre

Associations

Association	Notes
From: VolumePerTimePerLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerLengthUomExt. To: VolumePerTimePerLengthUom <i>Generalization</i>	

12.348 VolumePerTimePerLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerLengthUomExt. To: VolumePerTimePerLengthUom <i>Generalization</i>	
From: VolumePerTimePerLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.349 VolumePerTimePerPressureLengthUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bbl/(ft.psi.d)		barrel per day foot psi
ft3/(ft.psi.d)		cubic foot per day foot psi
m2/(kPa.d)		square metre per kilopascal day
m2/(Pa.s)		square metre per pascal second

Associations

Association	Notes
From: VolumePerTimePerPressureLengthUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerPressureLengthUomExt. To: VolumePerTimePerPressureLengthUom <i>Generalization</i>	

12.350 VolumePerTimePerPressureLengthUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerPressureLengthUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerPressureLengthUomExt. To: VolumePerTimePerPressureLengthUom <i>Generalization</i>	

12.351 VolumePerTimePerPressureUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 ft ³ /(psi.d)		(thousand cubic foot per day) per psi
bbl/(kPa.d)		(barrel per day) per kilopascal
bbl/(psi.d)		(barrel per day) per psi
L/(bar.min)		(litre per minute) per bar
m ³ /(bar.d)		(cubic metre per day) per bar
m ³ /(bar.h)		(cubic metre per hour) per bar
m ³ /(bar.min)		(cubic metre per minute) per bar
m ³ /(kPa.d)		(cubic metre per day) per kilopascal
m ³ /(kPa.h)		(cubic metre per hour) per kilopascal
m ³ /(Pa.s)		cubic metre per pascal second
m ³ /(psi.d)		(cubic metre per day) per psi

Associations

Association	Notes
From: VolumePerTimePerPressureUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerPressureUomExt. To: VolumePerTimePerPressureUom <i>Generalization</i>	

12.352 VolumePerTimePerPressureUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerPressureUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerPressureUomExt. To: VolumePerTimePerPressureUom <i>Generalization</i>	

12.353 VolumePerTimePerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bbl/d2		(barrel per day) per day
bbl/h2		(barrel per hour) per hour
dm3/s2		(cubic decimetre per second) per second
ft3/d2		(cubic foot per day) per day
ft3/h2		(cubic foot per hour) per hour
ft3/min2		(cubic foot per minute) per minute
ft3/s2		(cubic foot per second) per second
gal[UK]/h2		(UK gallon per hour) per hour
gal[UK]/min2		(UK gallon per minute) per minute
gal[US]/h2		(US gallon per hour) per hour
gal[US]/min2		(US gallon per minute) per minute
L/s2		(litre per second) per second
m3/d2		(cubic metre per day) per day
m3/s2		cubic metre per second squared

Associations

Association	Notes
From: VolumePerTimePerTimeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerTimeUomExt. To: VolumePerTimePerTimeUom <i>Generalization</i>	

12.354 VolumePerTimePerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerTimeUomExt. To: VolumePerTimePerTimeUom <i>Generalization</i>	
From: VolumePerTimePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.355 VolumePerTimePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
bbl/(d.acre.ft)		barrel per day acre foot
m3/(s.m3)		cubic metre per time cubic metre

Associations

Association	Notes
From: VolumePerTimePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimePerVolumeUomExt. To: VolumePerTimePerVolumeUom <i>Generalization</i>	

12.356 VolumePerTimePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerTimePerVolumeUomExt. To: VolumePerTimePerVolumeUom <i>Generalization</i>	

12.357 VolumePerTimeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/30 cm3/min		cubic centimetre per thirty minute
1000 bbl/d		thousand barrel per day
1000 ft3/d		thousand cubic foot per day
1000 m3/d		thousand cubic metre per day
1000 m3/h		thousand cubic metre per hour
1E6 bbl/d		million barrel per day
1E6 ft3/d		million cubic foot per day
1E6 m3/d		million cubic metre per day
bbl/d		barrel per day
bbl/h		barrel per hour
bbl/min		barrel per minute
cm3/h		cubic centimetre per hour
cm3/min		cubic centimetre per minute
cm3/s		cubic centimetre per second
dm3/s		cubic decimetre per second
ft3/d		cubic foot per day
ft3/h		cubic foot per hour
ft3/min		cubic foot per minute
ft3/s		cubic foot per second
gal[UK]/d		UK gallon per day
gal[UK]/h		UK gallon per hour
gal[UK]/min		UK gallon per minute
gal[US]/d		US gallon per day
gal[US]/h		US gallon per hour
gal[US]/min		US gallon per minute
L/h		litre per hour
L/min		litre per minute
L/s		litre per second
m3/d		cubic metre per day
m3/h		cubic metre per hour
m3/min		cubic metre per minute

m3/s		cubic metre per second
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Associations

Association	Notes
From: VolumePerTimeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerTimeUomExt. To: VolumePerTimeUom <i>Generalization</i>	

12.358 VolumePerTimeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerTimeUomExt. To: VolumePerTimeUom <i>Generalization</i>	
From: VolumePerTimeUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.359 VolumePerVolumeUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
%		percent
%[vol]		percent [volume basis]
0.001 bbl/ft3		barrel per thousand cubic foot
0.001 bbl/m3		barrel per thousand cubic metre
0.001 gal[UK]/bbl		UK gallon per thousand barrel
0.001 gal[UK]/gal[UK]		UK gallon per thousand UK gallon
0.001 gal[US]/bbl		US gallon per thousand barrel
0.001 gal[US]/ft3		US gallon per thousand cubic foot
0.001 gal[US]/gal[US]		US gallon per thousand US gallon
0.001 pt[UK]/bbl		UK pint per thousand barrel
0.01 bbl/bbl		barrel per hundred barrel
0.1 gal[US]/bbl		US gallon per ten barrel
0.1 L/bbl		litre per ten barrel
0.1 pt[US]/bbl		US pint per ten barrel
1000 ft3/bbl		thousand cubic foot per barrel
1000 m3/m3		thousand cubic metre per cubic metre
1E-6 acre.ft/bbl		acre foot per million barrel
1E-6 bbl/ft3		barrel per million cubic foot
1E-6 bbl/m3		barrel per million cubic metre
1E6 bbl/(acre.ft)		million barrel per acre foot
1E6 ft3/(acre.ft)		million cubic foot per acre foot
1E6 ft3/bbl		million cubic foot per barrel
bbl/(acre.ft)		barrel per acre foot
bbl/bbl		barrel per barrel
bbl/ft3		barrel per cubic foot
bbl/m3		barrel per cubic metre
cEuc		centieuclid
cm3/cm3		cubic centimetre per cubic centimetre
cm3/L		cubic centimetre per litre
cm3/m3		cubic centimetre per cubic metre
dm3/m3		cubic decimetre per cubic metre

Euc		euclid
ft3/bbl		cubic foot per barrel
ft3/ft3		cubic foot per cubic foot
gal[UK]/ft3		UK gallon per cubic foot
gal[US]/bbl		US gallon per barrel
gal[US]/ft3		US gallon per cubic foot
L/m3		litre per cubic metre
m3/(ha.m)		cubic metre per hectare metre
m3/bbl		cubic metre per barrel
m3/m3		cubic metre per cubic metre
ml/gal[UK]		millilitre per UK gallon
ml/gal[US]		millilitre per US gallon
ml/mL		millilitre per millilitre
ppk		part per thousand
ppm		part per million
ppm[vol]		part per million [volume basis]

Associations

Association	Notes
From: VolumePerVolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumePerVolumeUomExt. To: VolumePerVolumeUom <i>Generalization</i>	

12.360 VolumePerVolumeUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumePerVolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumePerVolumeUomExt. To: VolumePerVolumeUom <i>Generalization</i>	

12.361 VolumetricHeatTransferCoefficientUom

Type: Enumeration *Stereotype:*

Detail: Created: 8/5/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Btu[IT]/(h.ft3.deltaF)		BTU per hour cubic foot delta Fahrenheit
Btu[IT]/(s.ft3.deltaF)		(BTU per second) per cubic foot delta Fahrenheit
kW/(m3.deltaK)		kilowatt per cubic metre delta kelvin
W/(m3.deltaK)		watt per cubic metre delta kelvin

Associations

Association	Notes
From: VolumetricHeatTransferCoefficientUom. To: UomEnum <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientUomExt. To: VolumetricHeatTransferCoefficientUom <i>Generalization</i>	

12.362 VolumetricHeatTransferCoefficientUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumetricHeatTransferCoefficientUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumetricHeatTransferCoefficientUomExt. To: VolumetricHeatTransferCoefficientUom <i>Generalization</i>	

12.363 VolumetricThermalExpansionUom

Type: Enumeration *Stereotype:*

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1/deltaC		per delta Celsius
1/deltaF		per delta Fahrenheit
1/deltaK		per delta kelvin
1/deltaR		per delta Rankine
1E-6 m3/(m3.deltaC)		(cubic metre per million cubic metre) per delta Celsius
1E-6 m3/(m3.deltaF)		(cubic metre per million cubic metre) per delta Fahrenheit
m3/(m3.deltaK)		cubic metre per cubic metre delta kelvin
ppm[vol]/deltaC		(part per million [volume basis]) per delta Celsius
ppm[vol]/deltaF		(part per million [volume basis]) per delta Fahrenheit

Associations

Association	Notes
From: VolumetricThermalExpansionUom. To: UomEnum <i>Generalization</i>	
From: VolumetricThermalExpansionUomExt. To: VolumetricThermalExpansionUom <i>Generalization</i>	

12.364 VolumetricThermalExpansionUomExt

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumetricThermalExpansionUomExt. To: VolumetricThermalExpansionUom <i>Generalization</i>	
From: VolumetricThermalExpansionUomExt. To: EnumExtensionPattern <i>Generalization</i>	

12.365 VolumeUom

Type: Enumeration **Stereotype:**

Detail: Created: 6/4/2012 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
1000 bbl		thousand barrel
1000 ft3		thousand cubic foot
1000 gal[UK]		thousand UK gallon
1000 gal[US]		thousand US gallon
1000 m3		thousand cubic metre
1E-6 gal[US]		millionth of US gallon
1E12 ft3		million million cubic foot
1E6 bbl		million barrel
1E6 ft3		million cubic foot
1E6 m3		million cubic metre
1E9 bbl		thousand million barrel
1E9 ft3		thousand million cubic foot
acre.ft		acre foot
bbl		barrel
cm3		cubic centimetre
dm3		cubic decimetre
floz[UK]		UK fluid-ounce
floz[US]		US fluid-ounce
ft3		cubic foot
gal[UK]		UK gallon
gal[US]		US gallon
ha.m		hectare metre
hL		hectolitre
in3		cubic inch
km3		cubic kilometre
L		litre
m3		cubic metre
mi3		cubic mile
ML		millilitre
mm3		cubic millimetre
pt[UK]		UK pint

pt[US]		US pint
qt[UK]		UK quart
qt[US]		US quart
um2.m		square micrometre metre
yd3		cubic yard

Associations

Association	Notes
From: VolumeUom. To: UomEnum <i>Generalization</i>	
From: VolumeUomExt. To: VolumeUom <i>Generalization</i>	

12.366 VolumeUomExt

Type: Class *Stereotype:* «XSDunion»

Detail: Created: 3/6/2015 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: VolumeUomExt. To: EnumExtensionPattern <i>Generalization</i>	
From: VolumeUomExt. To: VolumeUom <i>Generalization</i>	

13 gml

Package: xsd_schemas

Notes:

13.1 Gml

Package: gml

Notes:

13.1.1 AbstractCoordinateOperation

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractCoordinateOperation is a mathematical operation on coordinates that transforms or converts coordinates to another coordinate reference system. Many but not all coordinate operations (from CRS A to CRS B) also uniquely define the inverse operation (from CRS B to CRS A). In some cases, the operation method algorithm for the inverse operation is the same as for the forward algorithm, but the signs of some operation parameter values shall be reversed. In other cases, different algorithms are required for the forward and inverse operations, but the same operation parameter values are used. If (some) entirely different parameter values are needed, a different coordinate operation shall be defined.

The optional coordinateOperationAccuracy property elements provide estimates of the impact of this coordinate operation on point position accuracy.

Associations

Association	Notes
From: AbstractCoordinateOperation. To: AbstractCoordinateOperationType <i>Generalization</i>	

13.1.2 AbstractCoordinateOperationType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
0..* From: AbstractCoordinateOperationType. To: coordinateOperationAccuracy <i>Association</i>	
0..1 From: AbstractCoordinateOperationType. To: operationVersion <i>Association</i>	
0..1 From: AbstractCoordinateOperationType. To: targetCRS <i>Association</i>	
1..* From: AbstractCoordinateOperationType. To: scope <i>Association</i>	
0..1 From: AbstractCoordinateOperationType. To: sourceCRS <i>Association</i>	
0..1 From: AbstractCoordinateOperationType. To: domainOfValidity <i>Association</i>	
1..1 From: AbstractCoordinateOperationType. To: IdentifiedObjectType <i>Generalization</i>	
From: AbstractOperation. To: AbstractCoordinateOperationType <i>Generalization</i>	
From: AbstractCoordinateOperation. To: AbstractCoordinateOperationType <i>Generalization</i>	
From: AbstractSingleOperation. To: AbstractCoordinateOperationType <i>Generalization</i>	
1..1 From: AbstractGeneralConversionType. To: AbstractCoordinateOperationType <i>Generalization</i>	

13.1.3 AbstractCoordinateSystem

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:AbstractCoordinateSystem is a coordinate system (CS) is the non-repeating sequence of coordinate system axes that spans a given coordinate space. A CS is derived from a set of mathematical rules for specifying how coordinates in a given space are to be assigned to points. The coordinate values in a coordinate tuple shall be recorded in the order in which the coordinate system axes associations are recorded. This abstract complex type shall not be used, extended, or restricted, in an Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.

Associations

Association	Notes
From: AbstractCoordinateSystem. To: AbstractCoordinateSystemType <i>Generalization</i>	

13.1.4 AbstractCoordinateSystemType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: AbstractCoordinateSystemType. To: IdentifiedObjectType <i>Generalization</i>	
1..* From: AbstractCoordinateSystemType. To: AggregationAttributeGroup <i>Association</i>	
1..1 From: AbstractCoordinateSystemType. To: axis <i>Association</i>	
1..1 From: CartesianCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
1..1 From: VerticalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
1..1 From: AbstractCoordinateSystem. To: AbstractCoordinateSystemType <i>Generalization</i>	
1..1 From: SphericalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
1..1 From: EllipsoidalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	

13.1.5 AbstractCRS

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:AbstractCRS specifies a coordinate reference system which is usually single but may be compound. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.

Associations

Association	Notes
From: AbstractCRS. To: AbstractCRSType <i>Generalization</i>	
From: CRS.PropertyType. 1..1 To: AbstractCRS <i>Association</i>	

13.1.6 AbstractCRSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: AbstractCRSType. 1..* To: scope <i>Association</i>	
From: AbstractCRSType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: AbstractCRSType. 0..* To: domainOfValidity <i>Association</i>	
From: GeodeticCRSType. 1..1 To: AbstractCRSType <i>Generalization</i>	
From: AbstractSingleCRS. To: AbstractCRSType <i>Generalization</i>	
From: VerticalCRSType. 1..1 To: AbstractCRSType <i>Generalization</i>	
From: AbstractGeneralDerivedCRSType. 1..1 To: AbstractCRSType <i>Generalization</i>	
From: AbstractCRS. To: AbstractCRSType <i>Generalization</i>	

13.1.7 AbstractDatum

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: A gml:AbstractDatum specifies the relationship of a coordinate system to the earth, thus creating a coordinate reference system. A datum uses a parameter or set of parameters that determine the location of the origin of the coordinate reference system. Each datum subtype may be associated with only specific types of coordinate systems. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.

Associations

Association	Notes
From: AbstractDatum. To: AbstractDatumType <i>Generalization</i>	

13.1.8 AbstractDatumType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
0..1 From: AbstractDatumType. To: realizationEpoch <i>Association</i>	
0..1 From: AbstractDatumType. To: anchorDefinition <i>Association</i>	
0..1 From: AbstractDatumType. To: domainOfValidity <i>Association</i>	
1..1 From: AbstractDatumType. To: IdentifiedObjectType <i>Generalization</i>	
1..* From: AbstractDatumType. To: scope <i>Association</i>	
1..1 From: VerticalDatumType. To: AbstractDatumType <i>Generalization</i>	
1..1 From: GeodeticDatumType. To: AbstractDatumType <i>Generalization</i>	

13.1.9 AbstractGeneralConversion

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gm:AbstractGeneralConversion is an abstract operation on coordinates that does not include any change of datum. The best-known example of a coordinate conversion is a map projection. The parameters describing coordinate conversions are defined rather than empirically derived. Note that some conversions have no parameters. The operationVersion, sourceCRS, and targetCRS elements are omitted in a coordinate conversion.

This abstract complex type is expected to be extended for well-known operation methods with many Conversion instances, in GML Application Schemas that define operation-method-specialized element names and contents. This conversion uses an operation method, usually with associated parameter values. However, operation methods and parameter values are directly associated with concrete subtypes, not with this abstract type. All concrete types derived from this type shall extend this type to include a "usesMethod" element that references the "OperationMethod" element. Similarly, all concrete types derived from this type shall extend this type to include zero or more elements each named "uses...Value" that each use the type of an element substitutable for the "AbstractGeneralParameterValue" element.

Associations

Association	Notes
From: AbstractGeneralConversion. To: AbstractGeneralConversionType <i>Generalization</i>	
1..1 From: GeneralConversionPropertyType. To: AbstractGeneralConversion <i>Association</i>	

13.1.10 AbstractGeneralConversionType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ext_ref8	name	
ext_ref9	id	

Associations

Association	Notes
1..1 From: AbstractGeneralConversionType. To: identifier <i>Association</i>	
0..1 From: AbstractGeneralConversionType. To: descriptionReference <i>Association</i>	
1..* From: AbstractGeneralConversionType. To: scope <i>Association</i>	
0..1 From: AbstractGeneralConversionType. To: domainOfValidity <i>Association</i>	
0..1 From: AbstractGeneralConversionType. To: remarks <i>Association</i>	
1..1 From: AbstractGeneralConversionType. To: AbstractCoordinateOperationType <i>Generalization</i>	
0..1 From: AbstractGeneralConversionType. To: description <i>Association</i>	
0..* From: AbstractGeneralConversionType. To: coordinateOperationAccuracy <i>Association</i>	
From: AbstractGeneralConversion. To: AbstractGeneralConversionType <i>Generalization</i>	

13.1.11 AbstractGeneralDerivedCRS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractGeneralDerivedCRS is a coordinate reference system that is defined by its coordinate conversion from another coordinate reference system. This abstract complex type shall not be used, extended, or restricted, in a GML Application Schema, to define a concrete subtype with a meaning equivalent to a concrete subtype specified in this document.

Associations

Association	Notes
From: AbstractGeneralDerivedCRS. To: AbstractGeneralDerivedCRSType <i>Generalization</i>	

13.1.12 AbstractGeneralDerivedCRSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: AbstractGeneralDerivedCRSType. To: conversion <i>Association</i>	
1..1 From: AbstractGeneralDerivedCRSType. To: AbstractCRSType <i>Generalization</i>	
1..1 From: AbstractGeneralDerivedCRS. To: AbstractGeneralDerivedCRSType <i>Generalization</i>	
1..1 From: ProjectedCRSType. To: AbstractGeneralDerivedCRSType <i>Generalization</i>	

13.1.13 AbstractGML

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The abstract element `gml:AbstractGML` is "any GML object having identity". It acts as the head of an XML Schema substitution group, which may include any element which is a GML feature, or other object, with identity. This is used as a variable in content models in GML core and application schemas. It is effectively an abstract superclass for all GML objects.

Associations

Association	Notes
From: AbstractGML. To: AbstractGMLType <i>Generalization</i>	

13.1.14 AbstractGMLType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ext_ref5	id	

Associations

Association	Notes
From: AbstractGMLType. 1..1 To: StandardObjectProperties <i>Association</i>	
From: AbstractTimeObjectType. 1..1 To: AbstractGMLType <i>Generalization</i>	
From: AbstractGML. To: AbstractGMLType <i>Generalization</i>	
From: Definition BaseType. 1..1 To: AbstractGMLType <i>Generalization</i>	

13.1.15 AbstractObject

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: This element has no type defined, and is therefore implicitly (according to the rules of W3C XML Schema) an XML Schema anyType. It is used as the head of an XML Schema substitution group which unifies complex content and certain simple content elements used for datatypes in GML, including the `gml:AbstractGML` substitution group.

13.1.16 AbstractOperation

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
<p>From: AbstractOperation.</p> <p>To: AbstractCoordinateOperationType</p> <p><i>Generalization</i></p>	

13.1.17 AbstractSingleCRS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractSingleCRS implements a coordinate reference system consisting of one coordinate system and one datum (as opposed to a Compound CRS).

Associations

Association	Notes
From: AbstractSingleCRS. To: AbstractCRSType <i>Generalization</i>	

13.1.18 AbstractSingleOperation

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractSingleOperation is a single (not concatenated) coordinate operation.

Associations

Association	Notes
<p>From: AbstractSingleOperation. To: AbstractCoordinateOperationType <i>Generalization</i></p>	

13.1.19 AbstractTimeObject

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractTimeObject acts as the head of a substitution group for all temporal primitives and complexes.

Associations

Association	Notes
From: AbstractTimeObject. To: AbstractTimeObjectType <i>Generalization</i>	

13.1.20 AbstractTimeObjectType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: AbstractTimeObjectType. To: AbstractGMLType <i>Generalization</i>	
1..1 From: AbstractTimePrimitiveType. To: AbstractTimeObjectType <i>Generalization</i>	
1..1 From: AbstractTimeObject. To: AbstractTimeObjectType <i>Generalization</i>	

13.1.21 AbstractTimePrimitive

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:AbstractTimePrimitive acts as the head of a substitution group for geometric and topological temporal primitives.

Associations

Association	Notes
From: AbstractTimePrimitive. To: AbstractTimePrimitiveType <i>Generalization</i>	
1..1 From: TimePrimitive.PropertyType. To: AbstractTimePrimitive <i>Association</i>	

13.1.22 AbstractTimePrimitiveType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: AbstractTimePrimitiveType. To: AbstractTimeObjectType <i>Generalization</i>	
0..* From: AbstractTimePrimitiveType.relatedTime To: RelatedTimeType <i>Association</i>	
From: AbstractTimePrimitive. To: AbstractTimePrimitiveType <i>Generalization</i>	

13.1.23 AggregationAttributeGroup

Type: Class *Stereotype*: «XSDattributeGroup»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: A GML Object Collection is any GML Object with a property element in its content model whose content model is derived by extension from `gml:AbstractMemberType`.

In addition, the complex type describing the content model of the GML Object Collection may also include a reference to the attribute group `gml:AggregationAttributeGroup` to provide additional information about the semantics of the object collection. This information may be used by applications to group GML objects, and optionally to order and index them.

The allowed values for the `aggregationType` attribute are defined by `gml:AggregationType`. See 8.4 of ISO/IEC 11404:1996 for the meaning of the values in the enumeration.

Associations

Association	Notes
From: AggregationAttributeGroup.aggregationType To: AggregationType <i>Association</i>	
From: AbstractCoordinateSystemType. To: AggregationAttributeGroup <i>Association</i>	

13.1.24 AggregationType

Type: Enumeration *Stereotype:*

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
set		
bag		
sequence		
array		
record		
table		

Associations

Association	Notes
From: AggregationAttributeGroup.aggregationType To: AggregationType <i>Association</i>	

13.1.25 anchorDefinition

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:anchorDefinition is a description, possibly including coordinates, of the definition used to anchor the datum to the Earth. Also known as the "origin", especially for engineering and image datums. The codeSpace attribute may be used to reference a source of more detailed on this point or surface, or on a set of such descriptions.

- For a geodetic datum, this point is also known as the fundamental point, which is traditionally the point where the relationship between geoid and ellipsoid is defined. In some cases, the "fundamental point" may consist of a number of points. In those cases, the parameters defining the geoid/ellipsoid relationship have been averaged for these points, and the averages adopted as the datum definition.
- For an engineering datum, the anchor definition may be a physical point, or it may be a point with defined coordinates in another CRS.may
- For an image datum, the anchor definition is usually either the centre of the image or the corner of the image.
- For a temporal datum, this attribute is not defined. Instead of the anchor definition, a temporal datum carries a separate time origin of type DateTime.

Associations

Association	Notes
From: anchorDefinition. To: CodeType <i>Generalization</i>	
0..1 From: AbstractDatumType. To: anchorDefinition <i>Association</i>	

13.1.26 AngleType

Type: Class Stereotype: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: AngleType. To: MeasureType Generalization	
From: greenwichLongitude. To: AngleType Generalization	

13.1.27 anyURI

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: NilReasonType. To: anyURI <i>Generalization</i>	

13.1.28 AssociationAttributeGroup

Type: Class **Stereotype:** «XSDattributeGroup»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group, gml:AssociationAttributeGroup, is provided to support the use of Xlinks as the method for indicating the value of a property by reference in a uniform manner in GML.

Attributes

Name	Type	Notes
ext_ref7	xlink:simpleLink	

Associations

Association	Notes
From: AssociationAttributeGroup.nilReason To: NilReasonType <i>Association</i>	
From: SphericalCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: CartesianCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: ReferenceType. To: AssociationAttributeGroup <i>Association</i>	
From: ComplexTypeClass4. To: AssociationAttributeGroup <i>Association</i>	
From: VerticalCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: CoordinateSystemAxisPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: GeodeticDatum.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: Ellipsoid.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: VerticalDatum.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: TimePrimitive.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: GeneralConversion.PropertyType. To: AssociationAttributeGroup <i>Association</i>	

Association	Notes
From: CRS.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: GeodeticCRSPROPERTYTYPE. To: AssociationAttributeGroup <i>Association</i>	
From: StringOrRefType. To: AssociationAttributeGroup <i>Association</i>	
From: ComplexTypeClass1. To: AssociationAttributeGroup <i>Association</i>	
From: PrimeMeridianPROPERTYTYPE. To: AssociationAttributeGroup <i>Association</i>	
From: EllipsoidalCSPROPERTYTYPE. To: AssociationAttributeGroup <i>Association</i>	

13.1.29 axis

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: The gml:axis property is an association role (ordered sequence) to the coordinate system axes included in this coordinate system. The coordinate values in a coordinate tuple shall be recorded in the order in which the coordinate system axes associations are recorded, whenever those coordinates use a coordinate reference system that uses this coordinate system. The gml:AggregationAttributeGroup should be used to specify that the axis objects are ordered.

Associations

Association	Notes
From: axis. To: CoordinateSystemAxisPropertyType <i>Generalization</i>	
From: AbstractCoordinateSystemType. 1..* To: axis <i>Association</i>	

13.1.30 axisAbbrev

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:axisAbbrev is the abbreviation used for this coordinate system axis; this abbreviation is also used to identify the coordinates in the coordinate tuple. The codeSpace attribute may reference a source of more information on a set of standardized abbreviations, or on this abbreviation.

Associations

Association	Notes
From: axisAbbrev. To: CodeType <i>Generalization</i>	
1..1 From: CoordinateSystemAxisType. To: axisAbbrev <i>Association</i>	

13.1.31 axisDirection

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:axisDirection is the direction of this coordinate system axis (or in the case of Cartesian projected coordinates, the direction of this coordinate system axis at the origin).

Within any set of coordinate system axes, only one of each pair of terms may be used. For earth-fixed CRSs, this direction is often approximate and intended to provide a human interpretable meaning to the axis. When a geodetic datum is used, the precise directions of the axes may therefore vary slightly from this approximate direction.

The codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.

Associations

Association	Notes
From: axisDirection. To: CodeWithAuthorityType <i>Generalization</i>	
1..1 From: CoordinateSystemAxisType. To: axisDirection <i>Association</i>	

13.1.32 baseGeodeticCRS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:baseGeodeticCRS is an association role to the geodetic coordinate reference system used by this projected CRS.

Associations

Association	Notes
From: baseGeodeticCRS. To: GeodeticCRSPROPERTYTYPE <i>Generalization</i>	
1..1 From: ModelGroup2. To: baseGeodeticCRS <i>Association</i>	

13.1.33 CartesianCS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CartesianCS is a 1-, 2-, or 3-dimensional coordinate system. In the 1-dimensional case, it contains a single straight coordinate axis. In the 2- and 3-dimensional cases gives the position of points relative to orthogonal straight axes. In the multi-dimensional case, all axes shall have the same length unit of measure. A CartesianCS shall have one, two, or three gml:axis property elements.

Associations

Association	Notes
From: CartesianCS. To: CartesianCSType <i>Generalization</i>	
1..1 From: CartesianCSPropertyType. To: CartesianCS <i>Association</i>	

13.1.34 cartesianCS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:cartesianCS is an association role to the Cartesian coordinate system used by this CRS.

Associations

Association	Notes
From: cartesianCS. To: CartesianCSPROPERTYTYPE <i>Generalization</i>	
1..1 From: ModelGroup1. To: cartesianCS <i>Association</i>	
1..1 From: ProjectedCRSType. To: cartesianCS <i>Association</i>	

13.1.35 CartesianCSPropertyType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CartesianCSPropertyType is a property type for association roles to a Cartesian coordinate system, either referencing or containing the definition of that coordinate system.

Associations

Association	Notes
From: CartesianCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
1..1 From: CartesianCSPropertyType. To: CartesianCS <i>Association</i>	
1..1 From: cartesianCS. To: CartesianCSPropertyType <i>Generalization</i>	

13.1.36 CartesianCSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: CartesianCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
From: CartesianCS. To: CartesianCSType <i>Generalization</i>	

13.1.37 CodeType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CodeType is a generalized type to be used for a term, keyword or name.

It adds a XML attribute codeSpace to a term, where the value of the codeSpace attribute (if present) shall indicate a dictionary, thesaurus, classification scheme, authority, or pattern for the term.

Attributes

Name	Type	Notes
codeSpace	anyURI	

Associations

Association	Notes
1..1 From: CodeType. To: string <i>Generalization</i>	
From: anchorDefinition. To: CodeType <i>Generalization</i>	
From: name. To: CodeType <i>Generalization</i>	
1..1 From: CodeWithAuthorityType. To: CodeType <i>Generalization</i>	
From: axisAbbrev. To: CodeType <i>Generalization</i>	

13.1.38 CodeWithAuthorityType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CodeWithAuthorityType requires that the codeSpace attribute is provided in an instance.

Attributes

Name	Type	Notes
codeSpace	anyURI	

Associations

Association	Notes
From: CodeWithAuthorityType. 1..1 To: CodeType <i>Generalization</i>	
From: rangeMeaning. To: CodeWithAuthorityType <i>Generalization</i>	
From: axisDirection. To: CodeWithAuthorityType <i>Generalization</i>	
From: identifier. To: CodeWithAuthorityType <i>Generalization</i>	

13.1.39 conversion

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: *Created: 8/19/2014 Last modified: 10/26/2016*

Notes: gml:conversion is an association role to the coordinate conversion used to define the derived CRS.

Associations

Association	Notes
From: conversion. To: GeneralConversionPropertyType <i>Generalization</i>	
From: AbstractGeneralDerivedCRSType. 1..1 To: conversion <i>Association</i>	

13.1.40 coordinateOperationAccuracy

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:coordinateOperationAccuracy is an association role to a DQ_PositionalAccuracy object as encoded in ISO/TS 19139, either referencing or containing the definition of that positional accuracy. That object contains an estimate of the impact of this coordinate operation on point accuracy. That is, it gives position error estimates for the target coordinates of this coordinate operation, assuming no errors in the source coordinates.

Associations

Association	Notes
From: AbstractCoordinateOperationType. 0..* To: coordinateOperationAccuracy <i>Association</i>	
From: AbstractGeneralConversionType. 0..* To: coordinateOperationAccuracy <i>Association</i>	

13.1.41 CoordinateSystemAxis

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CoordinateSystemAxis is a definition of a coordinate system axis.

Associations

Association	Notes
From: CoordinateSystemAxis. To: CoordinateSystemAxisType <i>Generalization</i>	
1..1 From: CoordinateSystemAxisPropertyType. To: CoordinateSystemAxis <i>Association</i>	

13.1.42 CoordinateSystemAxisPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CoordinateSystemAxisPropertyType is a property type for association roles to a coordinate system axis, either referencing or containing the definition of that axis.

Associations

Association	Notes
From: CoordinateSystemAxisPropertyType. To: CoordinateSystemAxis <i>Association</i>	
From: CoordinateSystemAxisPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: axis. To: CoordinateSystemAxisPropertyType <i>Generalization</i>	

13.1.43 CoordinateSystemAxisType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
0..1 From: CoordinateSystemAxisType. To: rangeMeaning <i>Association</i>	
1..1 From: CoordinateSystemAxisType. To: axisDirection <i>Association</i>	
0..1 From: CoordinateSystemAxisType. To: maximumValue <i>Association</i>	
1..1 From: CoordinateSystemAxisType. To: IdentifiedObjectType <i>Generalization</i>	
0..1 From: CoordinateSystemAxisType. To: minimumValue <i>Association</i>	
1..1 From: CoordinateSystemAxisType. To: axisAbbrev <i>Association</i>	

13.1.44 CRS.PropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:CRS.PropertyType is a property type for association roles to a CRS abstract coordinate reference system, either referencing or containing the definition of that CRS.

Associations

Association	Notes
1..1 From: CRS.PropertyType. To: AbstractCRS <i>Association</i>	
From: CRS.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: sourceCRS. To: CRS.PropertyType <i>Generalization</i>	
From: targetCRS. To: CRS.PropertyType <i>Generalization</i>	

13.1.45 Definition

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The basic `gml:Definition` element specifies a definition, which can be included in or referenced by a dictionary.

The content model for a generic definition is a derivation from `gml:AbstractGMLType`.

The `gml:description` property element shall hold the definition if this can be captured in a simple text string, or the `gml:descriptionReference` property element may carry a link to a description elsewhere.

The `gml:identifier` element shall provide one identifier identifying this definition. The identifier shall be unique within the dictionaries using this definition.

The `gml:name` elements shall provide zero or more terms and synonyms for which this is the definition.

The `gml:remarks` element shall be used to hold additional textual information that is not conceptually part of the definition but is useful in understanding the definition.

Associations

Association	Notes
From: Definition. To: DefinitionType <i>Generalization</i>	

13.1.46 DefinitionBaseType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ext_ref3	name	
ext_ref4	id	

Associations

Association	Notes
From: DefinitionBaseType. 1..1 To: identifier <i>Association</i>	
From: DefinitionBaseType. 0..1 To: description <i>Association</i>	
From: DefinitionBaseType. 0..1 To: descriptionReference <i>Association</i>	
From: DefinitionBaseType. 1..1 To: AbstractGMLType <i>Generalization</i>	
From: DefinitionType. 1..1 To: DefinitionBaseType <i>Generalization</i>	

13.1.47 DefinitionType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: DefinitionType. To: Definition BaseType <i>Generalization</i>	
0..1 From: DefinitionType. To: remarks <i>Association</i>	
1..1 From: IdentifiedObjectType. To: DefinitionType <i>Generalization</i>	

13.1.48 description

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The value of this property is a text description of the object. `gml:description` uses `gml:StringOrRefType` as its content model, so it may contain a simple text string content, or carry a reference to an external description. The use of `gml:description` to reference an external description has been deprecated and replaced by the `gml:descriptionReference` property.

Associations

Association	Notes
From: description. To: StringOrRefType <i>Generalization</i>	
From: StandardObjectProperties. 0..1 To: description <i>Association</i>	
From: DefinitionBaseType. 0..1 To: description <i>Association</i>	
From: AbstractGeneralConversionType. 0..1 To: description <i>Association</i>	

13.1.49 descriptionReference

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The value of this property is a remote text description of the object. The xlink:href attribute of the gml:descriptionReference property references the external description.

Associations

Association	Notes
From: descriptionReference. To: ReferenceType <i>Generalization</i>	
From: StandardObjectProperties. 0..1 To: descriptionReference <i>Association</i>	
From: AbstractGeneralConversionType. 0..1 To: descriptionReference <i>Association</i>	
From: DefinitionBaseType. 0..1 To: descriptionReference <i>Association</i>	

13.1.50 domainOfValidity

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The gml:domainOfValidity property implements an association role to an EX_Extent object as encoded in ISO/TS 19139, either referencing or containing the definition of that extent.

Associations

Association	Notes
0..1 From: AbstractDatumType. To: domainOfValidity <i>Association</i>	
0..* From: AbstractCRSType. To: domainOfValidity <i>Association</i>	
0..1 From: AbstractCoordinateOperationType. To: domainOfValidity <i>Association</i>	
0..1 From: AbstractGeneralConversionType. To: domainOfValidity <i>Association</i>	

13.1.51 double

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: MeasureType. 1..1 To: double <i>Generalization</i>	

13.1.52 ellipsoid

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:ellipsoid is an association role to the ellipsoid used by this geodetic datum.

Associations

Association	Notes
From: ellipsoid. To: Ellipsoid.PropertyType <i>Generalization</i>	
1..1 From: GeodeticDatumType. To: ellipsoid <i>Association</i>	

13.1.53 Ellipsoid

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: A gml:Ellipsoid is a geometric figure that may be used to describe the approximate shape of the earth. In mathematical terms, it is a surface formed by the rotation of an ellipse about its minor axis.

Associations

Association	Notes
From: Ellipsoid. To: EllipsoidType <i>Generalization</i>	
1..1 From: Ellipsoid.PropertyType. To: Ellipsoid <i>Association</i>	

13.1.54 ellipsoidalCS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:ellipsoidalCS is an association role to the ellipsoidal coordinate system used by this CRS.

Associations

Association	Notes
From: ellipsoidalCS. To: EllipsoidalCSPropertyType <i>Generalization</i>	
1..1 From: ModelGroup1. To: ellipsoidalCS <i>Association</i>	

13.1.55 EllipsoidalCS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:EllipsoidalCS is a two- or three-dimensional coordinate system in which position is specified by geodetic latitude, geodetic longitude, and (in the three-dimensional case) ellipsoidal height. An EllipsoidalCS shall have two or three gml:axis property elements; the number of associations shall equal the dimension of the CS.

Associations

Association	Notes
From: EllipsoidalCS. To: EllipsoidalCSType <i>Generalization</i>	
1..1 From: EllipsoidalCSPropertyType. To: EllipsoidalCS <i>Association</i>	

13.1.56 EllipsoidalCSPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:EllipsoidalCSPropertyType is a property type for association roles to an ellipsoidal coordinate system, either referencing or containing the definition of that coordinate system.

Associations

Association	Notes
From: EllipsoidalCSPropertyType. To: EllipsoidalCS <i>Association</i>	
From: EllipsoidalCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: ellipsoidalCS. To: EllipsoidalCSPropertyType <i>Generalization</i>	

13.1.57 EllipsoidalCSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: EllipsoidalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
From: EllipsoidalCS. To: EllipsoidalCSType <i>Generalization</i>	

13.1.58 Ellipsoid.PropertyType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:Ellipsoid.PropertyType is a property type for association roles to an ellipsoid, either referencing or containing the definition of that ellipsoid.

Associations

Association	Notes
From: Ellipsoid.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
1..1 From: Ellipsoid.PropertyType. To: Ellipsoid <i>Association</i>	
From: ellipsoid. To: Ellipsoid.PropertyType <i>Generalization</i>	

13.1.59 EllipsoidType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: EllipsoidType. To: secondDefiningParameter <i>Association</i>	
1..1 From: EllipsoidType. To: IdentifiedObjectType <i>Generalization</i>	
1..1 From: EllipsoidType. To: semiMajorAxis <i>Association</i>	
From: Ellipsoid. To: EllipsoidType <i>Generalization</i>	

13.1.60 GeneralConversionPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:GeneralConversionPropertyType is a property type for association roles to a general conversion, either referencing or containing the definition of that conversion.

Associations

Association	Notes
From: GeneralConversionPropertyType. To: AbstractGeneralConversion <i>Association</i>	
From: GeneralConversionPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: conversion. To: GeneralConversionPropertyType <i>Generalization</i>	

13.1.61 GeodeticCRS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: GeodeticCRS. To: GeodeticCRSType <i>Generalization</i>	
1..1 From: GeodeticCRSPROPERTYTYPE. To: GeodeticCRS <i>Association</i>	

13.1.62 GeodeticCRSPROPERTYTYPE

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:GeodeticCRSPROPERTYTYPE is a property type for association roles to a geodetic coordinate reference system, either referencing or containing the definition of that reference system.

Associations

Association	Notes
From: GeodeticCRSPROPERTYTYPE. 1..1 To: GeodeticCRS <i>Association</i>	
From: GeodeticCRSPROPERTYTYPE. To: AssociationAttributeGroup <i>Association</i>	
From: baseGeodeticCRS. To: GeodeticCRSPROPERTYTYPE <i>Generalization</i>	

13.1.63 GeodeticCRSType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:GeodeticCRS is a coordinate reference system based on a geodetic datum.

Associations

Association	Notes
1..1 From: GeodeticCRSType. To: AbstractCRSType <i>Generalization</i>	
1..1 From: GeodeticCRSType. To: ModelGroup1 <i>Association</i>	
1..1 From: GeodeticCRSType. To: geodeticDatum <i>Association</i>	
1..1 From: GeodeticCRS. To: GeodeticCRSType <i>Generalization</i>	

13.1.64 geodeticDatum

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:geodeticDatum is an association role to the geodetic datum used by this CRS.

Associations

Association	Notes
From: geodeticDatum. To: GeodeticDatumPropertyType <i>Generalization</i>	
1..1 From: GeodeticCRSType. To: geodeticDatum <i>Association</i>	

13.1.65 GeodeticDatum

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:GeodeticDatum is a geodetic datum defines the precise location and orientation in 3-dimensional space of a defined ellipsoid (or sphere), or of a Cartesian coordinate system centered in this ellipsoid (or sphere).

Associations

Association	Notes
From: GeodeticDatum. To: GeodeticDatumType <i>Generalization</i>	
1..1 From: GeodeticDatum.PropertyType. To: GeodeticDatum <i>Association</i>	

13.1.66 GeodeticDatumPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:GeodeticDatumPropertyType is a property type for association roles to a geodetic datum, either referencing or containing the definition of that datum.

Associations

Association	Notes
From: GeodeticDatumPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: GeodeticDatumPropertyType. 1..1 To: GeodeticDatum <i>Association</i>	
From: geodeticDatum. To: GeodeticDatumPropertyType <i>Generalization</i>	

13.1.67 GeodeticDatumType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: GeodeticDatumType. To: ellipsoid <i>Association</i>	
1..1 From: GeodeticDatumType. To: AbstractDatumType <i>Generalization</i>	
1..1 From: GeodeticDatumType. To: primeMeridian <i>Association</i>	

13.1.68 greenwichLongitude

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:greenwichLongitude is the longitude of the prime meridian measured from the Greenwich meridian, positive eastward. If the value of the prime meridian "name" is "Greenwich" then the value of greenwichLongitude shall be 0 degrees.

Associations

Association	Notes
From: greenwichLongitude. To: AngleType <i>Generalization</i>	
1..1 From: PrimeMeridianType. To: greenwichLongitude <i>Association</i>	

13.1.69 id

Type: Class **Stereotype:** «XSDtopLevelAttribute»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: The attribute `gml:id` supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

13.1.70 IdentifiedObjectType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:IdentifiedObjectType provides identification properties of a CRS-related object. In gml:DefinitionType, the gml:identifier element shall be the primary name by which this object is identified, encoding the "name" attribute in the UML model.

Zero or more of the gml:name elements can be an unordered set of "identifiers", encoding the "identifier" attribute in the UML model. Each of these gml:name elements can reference elsewhere the object's defining information or be an identifier by which this object can be referenced.

Zero or more other gml:name elements can be an unordered set of "alias" alternative names by which this CRS related object is identified, encoding the "alias" attributes in the UML model. An object may have several aliases, typically used in different contexts. The context for an alias is indicated by the value of its (optional) codeSpace attribute.

Any needed version information shall be included in the codeSpace attribute of a gml:identifier and gml:name elements. In this use, the gml:remarks element in the gml:DefinitionType shall contain comments on or information about this object, including data source information.

Associations

Association	Notes
From: IdentifiedObjectType. 1..1 To: DefinitionType <i>Generalization</i>	
From: AbstractCoordinateSystemType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: PrimeMeridianType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: AbstractDatumType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: EllipsoidType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: AbstractCRSType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: CoordinateSystemAxisType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	
From: AbstractCoordinateOperationType. 1..1 To: IdentifiedObjectType <i>Generalization</i>	

13.1.71 identifier

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in references to the object. For such cases, the codeSpace shall be provided. That identifier is usually unique either globally or within an application domain. gml:identifier is a pre-defined property for such identifiers.

Associations

Association	Notes
From: identifier. To: CodeWithAuthorityType <i>Generalization</i>	
From: DefinitionBaseType. 1..1 To: identifier <i>Association</i>	
From: AbstractGeneralConversionType. 1..1 To: identifier <i>Association</i>	
From: StandardObjectProperties. 0..1 To: identifier <i>Association</i>	

13.1.72 LengthType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: This is a prototypical definition for a specific measure type defined as a vacuous extension (i.e. aliases) of gml:MeasureType. In this case, the content model supports the description of a length (or distance) quantity, with its units. The unit of measure referenced by uom shall be suitable for a length, such as metres or feet.

Associations

Association	Notes
From: LengthType. 1..1 To: MeasureType <i>Generalization</i>	
From: ComplexTypeClass3.semiMinorAxis 1..1 To: LengthType <i>Association</i>	

13.1.73 maximumValue

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The `gml:minimumValue` and `gml:maximumValue` properties allow the specification of minimum and maximum value normally allowed for this axis, in the unit of measure for the axis. For a continuous angular axis such as longitude, the values wrap-around at this value. Also, values beyond this minimum/maximum can be used for specified purposes, such as in a bounding box. A value of minus infinity shall be allowed for the `gml:minimumValue` element, a value of plus infinity for the `gml:maximumValue` element. If these elements are omitted, the value is unspecified.

Associations

Association	Notes
0..1 From: CoordinateSystemAxisType. To: maximumValue Association	

13.1.74 MeasureType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:MeasureType supports recording an amount encoded as a value of XML Schema double, together with a units of measure indicated by an attribute uom, short for "units Of measure". The value of the uom attribute identifies a reference system for the amount, usually a ratio or interval scale.

Associations

Association	Notes
From: MeasureType. 1..1 To: double <i>Generalization</i>	
From: LengthType. 1..1 To: MeasureType <i>Generalization</i>	
From: semiMajorAxis. To: MeasureType <i>Generalization</i>	
From: AngleType. 1..1 To: MeasureType <i>Generalization</i>	
From: ComplexTypeClass3.inverseFlattening 1..1 To: MeasureType <i>Association</i>	

13.1.75 minimumValue

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The `gml:minimumValue` and `gml:maximumValue` properties allow the specification of minimum and maximum value normally allowed for this axis, in the unit of measure for the axis. For a continuous angular axis such as longitude, the values wrap-around at this value. Also, values beyond this minimum/maximum can be used for specified purposes, such as in a bounding box. A value of minus infinity shall be allowed for the `gml:minimumValue` element, a value of plus infinity for the `gml:maximumValue` element. If these elements are omitted, the value is unspecified.

Associations

Association	Notes
0..1 From: CoordinateSystemAxisType. To: minimumValue Association	

13.1.76 ModelGroup1

Type: Class *Stereotype*: «XSDchoice»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: ModelGroup1. To: ellipsoidalCS <i>Association</i>	
1..1 From: ModelGroup1. To: cartesianCS <i>Association</i>	
1..1 From: ModelGroup1. To: sphericalCS <i>Association</i>	
From: GeodeticCRSType. To: ModelGroup1 <i>Association</i>	

13.1.77 ModelGroup2

Type: Class *Stereotype*: «XSDchoice»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: ModelGroup2. To: baseGeodeticCRS <i>Association</i>	
From: ProjectedCRSType. To: ModelGroup2 <i>Association</i>	

13.1.78 name

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The `gml:name` property provides a label or identifier for the object, commonly a descriptive name. An object may have several names, typically assigned by different authorities. `gml:name` uses the `gml:CodeType` content model. The authority for a name is indicated by the value of its (optional) `codeSpace` attribute. The name may or may not be unique, as determined by the rules of the organization responsible for the `codeSpace`. In common usage there will be one name per authority, so a processing application may select the name from its preferred `codeSpace`.

Associations

Association	Notes
From: name. To: CodeType <i>Generalization</i>	

13.1.79 NilReasonType

Type: Class **Stereotype:** «XSUnion»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:NilReasonType defines a content model that allows recording of an explanation for a void value or other exception.

gml:NilReasonType is a union of the following enumerated values:

- inapplicable there is no value
- missing the correct value is not readily available to the sender of this data. Furthermore, a correct value may not exist
- template the value will be available later
- unknown the correct value is not known to, and not computable by, the sender of this data. However, a correct value probably exists
- withheld the value is not divulged
- other:text other brief explanation, where text is a string of two or more characters with no included spaces

and

- anyURI which should refer to a resource which describes the reason for the exception

A particular community may choose to assign more detailed semantics to the standard values provided.

Alternatively, the URI method enables a specific or more complete explanation for the absence of a value to be provided elsewhere and indicated by-reference in an instance document.

gml:NilReasonType is used as a member of a union in a number of simple content types where it is necessary to permit a value from the NilReasonType union as an alternative to the primary type.

Associations

Association	Notes
From: NilReasonType. To: anyURI <i>Generalization</i>	
From: AssociationAttributeGroup.nilReason To: NilReasonType <i>Association</i>	

13.1.80 operationVersion

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:operationVersion is the version of the coordinate transformation (i.e., instantiation due to the stochastic nature of the parameters). Mandatory when describing a transformation, and should not be supplied for a conversion.

Associations

Association	Notes
0..1 From: AbstractCoordinateOperationType. To: operationVersion <i>Association</i>	

13.1.81 OwnershipAttributeGroup

Type: Class **Stereotype:** «XSDattributeGroup»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or referenced GML Object, i.e. the encoding style shall not imply any "deep-copy" or "deep-delete" semantics. To express ownership over the contained or referenced GML Object, the `gml:OwnershipAttributeGroup` attribute group may be added to object-valued property elements. If the attribute group is not part of the content model of such a property element, then the value may not be "owned".

When the value of the `owns` attribute is "true", the existence of inline or referenced object(s) depends upon the existence of the parent object.

Attributes

Name	Type	Notes
<code>owns</code>	boolean	

Associations

Association	Notes
From: <code>ReferenceType</code> . To: <code>OwnershipAttributeGroup</code> <i>Association</i>	
From: <code>TimePrimitive.PropertyType</code> . To: <code>OwnershipAttributeGroup</code> <i>Association</i>	

13.1.82 primeMeridian

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:primeMeridian is an association role to the prime meridian used by this geodetic datum.

Associations

Association	Notes
From: primeMeridian. To: PrimeMeridian.PropertyType <i>Generalization</i>	
1..1 From: GeodeticDatumType. To: primeMeridian <i>Association</i>	

13.1.83 PrimeMeridian

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: A `gml:PrimeMeridian` defines the origin from which longitude values are determined. The default value for the prime meridian `gml:identifier` value is "Greenwich".

Associations

Association	Notes
From: PrimeMeridian. To: PrimeMeridianType <i>Generalization</i>	
1..1 From: PrimeMeridianPropertyType. To: PrimeMeridian <i>Association</i>	

13.1.84 PrimeMeridianPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:PrimeMeridianPropertyType is a property type for association roles to a prime meridian, either referencing or containing the definition of that meridian.

Associations

Association	Notes
From: PrimeMeridianPropertyType. 1..1 To: PrimeMeridian <i>Association</i>	
From: PrimeMeridianPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: primeMeridian. To: PrimeMeridianPropertyType <i>Generalization</i>	

13.1.85 PrimeMeridianType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: PrimeMeridianType. To: IdentifiedObjectType <i>Generalization</i>	
1..1 From: PrimeMeridianType. To: greenwichLongitude <i>Association</i>	
From: PrimeMeridian. To: PrimeMeridianType <i>Generalization</i>	

13.1.86 ProjectedCRS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:ProjectedCRS is a 2D coordinate reference system used to approximate the shape of the earth on a planar surface, but in such a way that the distortion that is inherent to the approximation is carefully controlled and known. Distortion correction is commonly applied to calculated bearings and distances to produce values that are a close match to actual field values.

Associations

Association	Notes
From: ProjectedCRS. To: ProjectedCRSType <i>Generalization</i>	

13.1.87 ProjectedCRSType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
From: ProjectedCRSType. To: ModelGroup2 <i>Association</i>	
1..1 From: ProjectedCRSType. To: AbstractGeneralDerivedCRSType <i>Generalization</i>	
1..1 From: ProjectedCRSType. To: cartesianCS <i>Association</i>	
From: ProjectedCRS. To: ProjectedCRSType <i>Generalization</i>	

13.1.88 rangeMeaning

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:rangeMeaning describes the meaning of axis value range specified by gml:minimumValue and gml:maximumValue. This element shall be omitted when both gml:minimumValue and gml:maximumValue are omitted. This element should be included when gml:minimumValue and/or gml:maximumValue are included. If this element is omitted when the gml:minimumValue and/or gml:maximumValue are included, the meaning is unspecified. The codeSpace attribute shall reference a source of information specifying the values and meanings of all the allowed string values for this property.

Associations

Association	Notes
From: rangeMeaning. To: CodeWithAuthorityType <i>Generalization</i>	
0..1 From: CoordinateSystemAxisType. To: rangeMeaning <i>Association</i>	

13.1.89 realizationEpoch

Type: Class *Stereotype:* «XSDtopLevelElement»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:realizationEpoch is the time after which this datum definition is valid. See ISO 19111 Table 32 for details.

Associations

Association	Notes
0..1 From: AbstractDatumType. To: realizationEpoch <i>Association</i>	

13.1.90 **ReferenceType**

Type: Class *Stereotype:* «XSDcomplexType»

Detail: *Created:* 8/19/2014 *Last modified:* 10/26/2016

Notes: gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a "by-reference only" encoding.

Associations

Association	Notes
From: ReferenceType. To: OwnershipAttributeGroup <i>Association</i>	
From: ReferenceType. To: AssociationAttributeGroup <i>Association</i>	
From: descriptionReference. To: ReferenceType <i>Generalization</i>	

13.1.91 RelatedTimeType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: *gml:RelatedTimeType* provides a content model for indicating the relative position of an arbitrary member of the substitution group whose head is *gml:AbstractTimePrimitive*. It extends the generic *gml:TimePrimitivePropertyType* with an XML attribute *relativePosition*, whose value is selected from the set of 13 temporal relationships identified by Allen (1983)

Associations

Association	Notes
1..1 From: RelatedTimeType. To: TimePrimitivePropertyType <i>Generalization</i>	
From: RelatedTimeType.relativePosition To: SimpleTypeClass1 <i>Association</i>	
0..* From: AbstractTimePrimitiveType.relatedTime To: RelatedTimeType <i>Association</i>	

13.1.92 remarks

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
0..1 From: AbstractGeneralConversionType. To: remarks Association	
0..1 From: DefinitionType. To: remarks Association	

13.1.93 scope

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The gml:scope property provides a description of the usage, or limitations of usage, for which this CRS-related object is valid. If unknown, enter "not known".

Associations

Association	Notes
1..* From: AbstractCRSType. To: scope <i>Association</i>	
1..* From: AbstractCoordinateOperationType. To: scope <i>Association</i>	
1..* From: AbstractDatumType. To: scope <i>Association</i>	
1..* From: AbstractGeneralConversionType. To: scope <i>Association</i>	

13.1.94 secondDefiningParameter

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:secondDefiningParameter is a property containing the definition of the second parameter that defines the shape of an ellipsoid. An ellipsoid requires two defining parameters: semi-major axis and inverse flattening or semi-major axis and semi-minor axis. When the reference body is a sphere rather than an ellipsoid, only a single defining parameter is required, namely the radius of the sphere; in that case, the semi-major axis "degenerates" into the radius of the sphere.

The inverseFlattening element contains the inverse flattening value of the ellipsoid. This value is a scale factor (or ratio). It uses gml:LengthType with the restriction that the unit of measure referenced by the uom attribute must be suitable for a scale factor, such as percent, permil, or parts-per-million.

The semiMinorAxis element contains the length of the semi-minor axis of the ellipsoid. When the isSphere element is included, the ellipsoid is degenerate and is actually a sphere. The sphere is completely defined by the semi-major axis, which is the radius of the sphere.

Associations

Association	Notes
From: EllipsoidType. 1..1 To: secondDefiningParameter <i>Association</i>	

13.1.95 SecondDefiningParameter

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: ComplexTypeClass2. To: SecondDefiningParameter <i>Association</i>	

13.1.96 semiMajorAxis

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:semiMajorAxis specifies the length of the semi-major axis of the ellipsoid, with its units. Uses the MeasureType with the restriction that the unit of measure referenced by uom must be suitable for a length, such as metres or feet.

Associations

Association	Notes
From: semiMajorAxis. To: MeasureType <i>Generalization</i>	
1..1 From: EllipsoidType. To: semiMajorAxis <i>Association</i>	

13.1.97 SimpleTypeClass1

Type: Enumeration *Stereotype:*

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
Before		
After		
Begins		
Ends		
During		
Equals		
Contains		
Overlaps		
Meets		
OverlappedBy		
MetBy		
BegunBy		
EndedBy		

Associations

Association	Notes
From: RelatedTimeType.relativePosition To: SimpleTypeClass1 <i>Association</i>	

13.1.98 sourceCRS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:sourceCRS is an association role to the source CRS (coordinate reference system) of this coordinate operation.

Associations

Association	Notes
From: sourceCRS. To: CRSPropertyType <i>Generalization</i>	
0..1 From: AbstractCoordinateOperationType. To: sourceCRS <i>Association</i>	

13.1.99 sphericalCS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:sphericalCS is an association role to the spherical coordinate system used by this CRS.

Associations

Association	Notes
From: sphericalCS. To: SphericalCSPropertyType <i>Generalization</i>	
1..1 From: ModelGroup1. To: sphericalCS <i>Association</i>	

13.1.100 SphericalCS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:SphericalCS is a three-dimensional coordinate system with one distance measured from the origin and two angular coordinates. A SphericalCS shall have three gml:axis property elements.

Associations

Association	Notes
From: SphericalCS. To: SphericalCSType <i>Generalization</i>	
1..1 From: SphericalCSPropertyType. To: SphericalCS <i>Association</i>	

13.1.101 SphericalCSPropertyType

Type: Class **Stereotype:** «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:SphericalCSPropertyType is property type for association roles to a spherical coordinate system, either referencing or containing the definition of that coordinate system.

Associations

Association	Notes
From: SphericalCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: SphericalCSPropertyType. 1..1 To: SphericalCS <i>Association</i>	
From: sphericalCS. To: SphericalCSPropertyType <i>Generalization</i>	

13.1.102 SphericalCSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: SphericalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
From: SphericalCS. To: SphericalCSType <i>Generalization</i>	

13.1.103 StandardObjectProperties

Type: Class *Stereotype*: «XSDgroup»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
ext_ref6	name	

Associations

Association	Notes
0..1 From: StandardObjectProperties. To: descriptionReference <i>Association</i>	
0..1 From: StandardObjectProperties. To: description <i>Association</i>	
0..1 From: StandardObjectProperties. To: identifier <i>Association</i>	
1..1 From: AbstractGMLType. To: StandardObjectProperties <i>Association</i>	

13.1.104 string

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: StringOrRefType. To: string Generalization	
1..1 From: CodeType. To: string Generalization	

13.1.105 StringOrRefType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: StringOrRefType. To: string <i>Generalization</i>	
From: StringOrRefType. To: AssociationAttributeGroup <i>Association</i>	
From: description. To: StringOrRefType <i>Generalization</i>	

13.1.106 targetCRS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:targetCRS is an association role to the target CRS (coordinate reference system) of this coordinate operation.

Associations

Association	Notes
From: targetCRS. To: CRS.PropertyType <i>Generalization</i>	
0..1 From: AbstractCoordinateOperationType. To: targetCRS <i>Association</i>	

13.1.107 TimePrimitive.PropertyType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:TimePrimitive.PropertyType provides a standard content model for associations between an arbitrary member of the substitution group whose head is gml:AbstractTimePrimitive and another object.

Associations

Association	Notes
From: TimePrimitive.PropertyType. To: OwnershipAttributeGroup <i>Association</i>	
From: TimePrimitive.PropertyType. 1..1 To: AbstractTimePrimitive <i>Association</i>	
From: TimePrimitive.PropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: RelatedTimeType. 1..1 To: TimePrimitive.PropertyType <i>Generalization</i>	

13.1.108 UomIdentifier

Type: Class *Stereotype*: «XSDunion»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: The simple type gml:UomIdentifier defines the syntax and value space of the unit of measure identifier.

13.1.109 UomSymbol

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: This type specifies a character string of length at least one, and restricted such that it must not contain any of the following characters: ":" (colon), " " (space), (newline), (carriage return), (tab). This allows values corresponding to familiar abbreviations, such as "kg", "m/s", etc.

It is recommended that the symbol be an identifier for a unit of measure as specified in the "Unified Code of Units of Measure" (UCUM) (<http://aurora.regenstrief.org/UCUM>). This provides a set of symbols and a grammar for constructing identifiers for units of measure that are unique, and may be easily entered with a keyboard supporting the limited character set known as 7-bit ASCII. ISO 2955 formerly provided a specification with this scope, but was withdrawn in 2001. UCUM largely follows ISO 2955 with modifications to remove ambiguities and other problems.

13.1.110 UomURI

Type: Class *Stereotype*: «XSDsimpleType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: This type specifies a URI, restricted such that it must start with one of the following sequences: "#", "./", "../", or a string of characters followed by a ":". These patterns ensure that the most common URI forms are supported, including absolute and relative URIs and URIs that are simple fragment identifiers, but prohibits certain forms of relative URI that could be mistaken for unit of measure symbol .

NOTE It is possible to re-write such a relative URI to conform to the restriction (e.g. "./m/s").

In an instance document, on elements of type `gml:MeasureType` the mandatory `uom` attribute shall carry a value corresponding to either

- a conventional unit of measure symbol,
- a link to a definition of a unit of measure that does not have a conventional symbol, or when it is desired to indicate a precise or variant definition.

13.1.111 VerticalCRS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:VerticalCRS is a 1D coordinate reference system used for recording heights or depths. Vertical CRSs make use of the direction of gravity to define the concept of height or depth, but the relationship with gravity may not be straightforward. By implication, ellipsoidal heights (h) cannot be captured in a vertical coordinate reference system. Ellipsoidal heights cannot exist independently, but only as an inseparable part of a 3D coordinate tuple defined in a geographic 3D coordinate reference system.

Associations

Association	Notes
From: VerticalCRS. To: VerticalCRSType <i>Generalization</i>	

13.1.112 VerticalCRSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: VerticalCRSType. To: verticalDatum <i>Association</i>	
1..1 From: VerticalCRSType. To: verticalCS <i>Association</i>	
1..1 From: VerticalCRSType. To: AbstractCRSType <i>Generalization</i>	

13.1.113 VerticalCS

Type: Class **Stereotype:** «XSDtopLevelElement»

Detail: *Created: 8/19/2014 Last modified: 10/26/2016*

Notes: gml:VerticalCS is a one-dimensional coordinate system used to record the heights or depths of points. Such a coordinate system is usually dependent on the Earth's gravity field, perhaps loosely as when atmospheric pressure is the basis for the vertical coordinate system axis. A VerticalCS shall have one gml:axis property element.

Associations

Association	Notes
From: VerticalCS. To: VerticalCSType <i>Generalization</i>	
From: VerticalCSPropertyType. 1..1 To: VerticalCS <i>Association</i>	

13.1.114 verticalCS

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:verticalCS is an association role to the vertical coordinate system used by this CRS.

Associations

Association	Notes
From: verticalCS. To: VerticalCSPropertyType <i>Generalization</i>	
1..1 From: VerticalCRSType. To: verticalCS <i>Association</i>	

13.1.115 VerticalCSPropertyType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:VerticalCSPropertyType is a property type for association roles to a vertical coordinate system, either referencing or containing the definition of that coordinate system.

Associations

Association	Notes
From: VerticalCSPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: VerticalCSPropertyType. 1..1 To: VerticalCS <i>Association</i>	
From: verticalCS. To: VerticalCSPropertyType <i>Generalization</i>	

13.1.116 VerticalCSType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: VerticalCSType. To: AbstractCoordinateSystemType <i>Generalization</i>	
From: VerticalCS. To: VerticalCSType <i>Generalization</i>	

13.1.117 VerticalDatum

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:VerticalDatum is a textual description and/or a set of parameters identifying a particular reference level surface used as a zero-height surface, including its position with respect to the Earth for any of the height types recognized by this International Standard.

Associations

Association	Notes
From: VerticalDatum. To: VerticalDatumType <i>Generalization</i>	
1..1 From: VerticalDatum.PropertyType. To: VerticalDatum <i>Association</i>	

13.1.118 verticalDatum

Type: Class *Stereotype*: «XSDtopLevelElement»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:verticalDatum is an association role to the vertical datum used by this CRS.

Associations

Association	Notes
From: verticalDatum. To: VerticalDatumPropertyType <i>Generalization</i>	
1..1 From: VerticalCRSType. To: verticalDatum <i>Association</i>	

13.1.119 VerticalDatumPropertyType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes: gml:VerticalDatumPropertyType is property type for association roles to a vertical datum, either referencing or containing the definition of that datum.

Associations

Association	Notes
From: VerticalDatumPropertyType. To: AssociationAttributeGroup <i>Association</i>	
From: VerticalDatumPropertyType. 1..1 To: VerticalDatum <i>Association</i>	
From: verticalDatum. To: VerticalDatumPropertyType <i>Generalization</i>	

13.1.120 VerticalDatumType

Type: Class *Stereotype*: «XSDcomplexType»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Associations

Association	Notes
1..1 From: VerticalDatumType. To: AbstractDatumType <i>Generalization</i>	
From: VerticalDatum. To: VerticalDatumType <i>Generalization</i>	

14 xlink

Package: xsd_schemas
Notes:

14.1 Xlinks

Package: xlink
Notes:

14.1.1 actuate

Type: Class *Stereotype:* «XSDtopLevelAttribute»
Detail: Created: 8/19/2014 Last modified: 10/26/2016
Notes:

The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:
onLoad - traverse to the ending resource immediately on loading
onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose
other - behavior is unconstrained; examine other markup in link for hints
none - behavior is unconstrained

Associations

Association	Notes
From: simpleLink. To: actuate <i>Association</i>	

14.1.2 arcrole

Type: Class *Stereotype*: «XSDtopLevelAttribute»
Detail: Created: 8/19/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: simpleLink. To: arcrole <i>Association</i>	

14.1.3 href

Type: Class *Stereotype*: «XSDtopLevelAttribute»
Detail: Created: 8/19/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: simpleLink. To: href <i>Association</i>	

14.1.4 role

Type: Class *Stereotype*: «XSDtopLevelAttribute»
Detail: Created: 8/19/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: simpleLink. To: role <i>Association</i>	

14.1.5 show

Type: Class *Stereotype*: «XSDtopLevelAttribute»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; its value should be treated as follows:

new - load ending resource in a new window, frame, pane, or other presentation context

replace - load the resource in the same window, frame, pane, or other presentation context

embed - load ending resource in place of the presentation of the starting resource

other - behavior is unconstrained; examine other markup in the link for hints

none - behavior is unconstrained

Associations

Association	Notes
<p>From: simpleLink. To: show <i>Association</i></p>	

14.1.6 simpleLink

Type: Class *Stereotype*: «XSDattributeGroup»

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
type		

Associations

Association	Notes
From: simpleLink. To: title <i>Association</i>	
From: simpleLink. To: actuate <i>Association</i>	
From: simpleLink. To: role <i>Association</i>	
From: simpleLink. To: href <i>Association</i>	
From: simpleLink. To: show <i>Association</i>	
From: simpleLink. To: arcrole <i>Association</i>	

14.1.7 SimpleTypeClass1

Type: Enumeration *Stereotype:*

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
new		
replace		
embed		
other		
none		

14.1.8 SimpleTypeClass2

Type: Enumeration *Stereotype:*

Detail: Created: 8/19/2014 Last modified: 10/26/2016

Notes:

Attributes

Name	Type	Notes
onLoad		
onRequest		
other		
none		

14.1.9 title

Type: Class *Stereotype*: «XSDtopLevelAttribute»
Detail: Created: 8/19/2014 Last modified: 10/26/2016
Notes:

Associations

Association	Notes
From: simpleLink. To: title <i>Association</i>	

