

Classes & DataElements

UOF / S3000L UML Class	data element type	s3kl Property & Class	Remark
=====			
4.1.3.1 Project		s3kl:Project	
projectIdentifier	IdentifierType	s3kl:id	
projectName	DescriptorType	s3kl:name	
4.1.3.2 ContractContext <<relationship>>		s3kl:contractContext	
4.1.3.3 Contract		s3kl:Contract	
contractIdentifier	IdentifierType	s3kl:id	
4.1.3.4 ContractRelationship <<relationship>>)		s3kl:contractRelationship & s3kl:ContractRelationship	
contractRelationshipType	see ClassificationType	# sub-properties of ContractRelationship	
4.1.3.5 Organization		s3kl:Organization	
organizationIdentifier	IdentifierType	s3kl:id	
organizationName	DescriptorType	s3kl:name	
4.1.3.6 Contractor <<interface>>			#skip, role only
4.1.3.7 ContractContractor <<relationship>>		s3kl:contractContractor	
4.1.3.8 Customer <<interface>>			#skip, role only
4.1.3.9 ContractCustomer <<relationship>>		s3kl:contractCustomer	
4.1.3.10 User <<interface>>			#skip, role only
<<relationship>>		s3kl:userCustomerContext	
<<relationship>>		s3kl:userOfContractedProductVariant	
<<relationship>>		s3kl:ContractedProductVariant	
quantityOfContractedProductVariant	PropertyType	s3kl:quantityOfContractedProductVariant	
contractedBlockOfSerializedItems	SerialNumberRange	s3kl:contractedBlockOfSerializedItems	
4.1.3.14 Product		s3kl:Product	
productIdentifier	IdentifierType	s3kl:id	

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productName	DescriptorType	s3kl:name	
4.1.3.15 ProductVariant		s3kl:ProductVariant	
productVariantIdentifier	IdentifierType	s3kl:vid	
productVariantName	DescriptorType	s3kl:vname	
Context =====			
4.2.3.1 Operator <<interface>>			#skip, role only
4.2.3.2 MaintenanceLevel		s3kl:MaintenanceLevel	
maintenanceLevelIdentifier	IdentifierType	s3kl:id	
maintenanceLevelName	DescriptorType	s3kl:name	
maintenanceLevelCapabilityDescription	DescriptorType	s3kl:description	
4.2.3.3 MaintenanceLocation		s3kl:MaintenanceLocation	
maintenanceLocationIdentifier	IdentifierType	s3kl:id	
maintenanceLocationName	DescriptorType	s3kl:name	
maintenanceLocationDescription	DescriptorType	s3kl:description	
<<relationship>>		s3kl:operatorMaintenanceLevel	
<<relationship>>		s3kl:operatorMaintenanceLocation	
4.2.3.6 OperatingLocationType		s3kl:OperatingLocationType	
operatingLocationTypeIdentifier	IdentifierType	s3kl:id	
operatingLocationTypeName	DescriptorType	s3kl:name	
operatingLocationTypeDescription	DescriptorType	s3kl:description	
numberOfOperatingLocations	PropertyType	s3kl:numberOfOperatingLocationsString	
4.2.3.7 OperatingLocation		s3kl:OperatingLocation	
operatingLocationIdentifier	IdentifierType	s3kl:id	
operatingLocationName	DescriptorType	s3kl:name	
operatingLocationDescription	DescriptorType	s3kl:description	
pe <<relationship>>		s3kl:maintenanceCapabilityAtOperatingLocationType	
4.2.3.9 ContractedProductVariantAtOperatingLocationType <<relationship>>		s3kl:contractedProductVariantAtOperatingLocationType & s3kl:ContractedProductVariantAtOperatingLocationType	
quantityOfProductVariantAtOperatingLocationType	PropertyType	s3kl:quantityOfProductVariantAtOperatingLocationTypeString	

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operatingRequirementAtOperatingLocationType	PropertyType	s3kl:operatingRequirementAtOperatingLocationTypeString	
4.2.3.10 ContractedProductVariantAtOperatingLocation <<relationship>>		s3kl:contractedProductVariantAtOperatingLocation & s3kl:ContractedProductVariantAtOperatingLocation	
quantityOfProductVariantAtOperatingLocation	PropertyType	s3kl:quantityOfProductVariantAtOperatingString	
operatingRequirementAtOperatingLocation	PropertyType	s3kl:coperatingRequirementAtOperatingLocationString	
Structure =====			
4.3.3.1 Breakdown		s3kl:Breakdown	
breakdownType: 7 example types listed, for Mixed Breakdowns use HybridBreakdown	see ClassificationType	s3kl:BreakdownType	
4.3.3.2 BreakdownItem <<interface>>		s3kl:BreakdownItem	
4.3.3.3 BreakdownRevision		s3kl:BreakdownRevision	
breakdownRevisionIdentifier	IdentifierType	s3kl:vid	
breakdownRevisionCreationDate	DateType	s3kl:breakdownRevisionCreationDate	
breakdownRevisionStatus	see ClassificationType	s3kl:BreakdownRevisionStatus	
<<relationship>>		s3kl:BreakdownElementUsageInBreakdown	
<<relationship>>		s3kl:breakdownElementStructure	
referenceDesignator	IdentifierType	s3kl:id ??? referenceDesignator	
quantityOfChildElement	PropertyType	s3kl:quantityOfChildElement	
<<relationship>>		s3kl:BreakdownElementStructureRelationship	
breakdownElementStructureRelationshipType	see ClassificationType	subclasses of s3kl:BreakdownElementStructureRelationship	
4.3.3.7 BreakdownElement		s3kl:BreakdownElement	
breakdownElementEssentiality	see ClassificationType	s3kl:BreakdownElementEssentiality	
breakdownElementIdentifier	IdentifierType	s3kl:id	
breakdownElementName	DescriptorType	s3kl:name	

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4.3.3.8 BreakdownElementRevision		s3kl:BreakdownElementRevision	
breakdownElementRevisionIdentifier	IdentifierType	s3kl:vid	
breakdownElementRevisionCreationDate	DateType	s3kl:breakdownElementRevisionCreationDate	
breakdownElementRevisionStatus	see ClassificationType	s3kl:BreakdownElementRevisionStatus	
maintenanceSignificantOrRelevantIndicator maintenanceSignificantOrRelevant	see ClassificationType	s3kl:MaintenanceSignificantOrRelevant	
4.3.3.9 BreakdownElementRevisionRelationship <<relationship>>		s3kl:breakdownElementRevisionRelationship & s3kl:BreakdownElementRevisionRelationship	
breakdownElementRelationshipType	see ClassificationType	# sub-properties of s3kl:breakdownElementRelationship	
=====			
4.4.3.1 PartAsDesigned		s3kl:PartAsDesigned	NEW s3kl:PartOccurrence
partIdentifier	IdentifierType	s3kl:id	
partName	DescriptorType	s3kl:name	
		s3kl:PartAsDesignedDesignData	
partSpecialHandlingRequirement	DescriptorType	s3kl:partSpecialHandlingRequirement	
		s3kl:PartAsDesignedSupportData	
partMaturityClass	DatedClassification	s3kl:PartMaturityClass	
partObsolescenceRiskAssessment	DescriptorType	s3kl:partObsolescenceRiskAssessment	
		s3kl:PartAsDesignedControlledItemData	
partDemilitarizationClass	DatedClassification	s3kl:PartDemilitarizationClass	
4.4.3.2 AlternatePartAsDesignedRelationship <<relationship>>		s3kl:alternatePartAsDesignedRelationship & s3kl:AlternatePartAsDesignedRelationship	

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4.4.3.3 PartAsDesignedPartsList		s3kl:PartAsDesignedPartsList	
partsListRevisionIdentifier	IdentifierType	s3kl:vid	
partsListType	see ClassificationType	s3kl:PartsListType	
4.4.3.4 PartAsDesignedPartsListEntry		s3kl:PartAsDesignedPartsListEntry	
partsListEntryIdentifier	IdentifierType	s3kl:id	
quantityOfChildElement	PropertyType	s3kl:quantityOfChildElement	
referenceDesignator	IdentifierType	s3kl:id ??? referenceDesignator	
physicalReplaceability	see ClassificationType	s3kl:PhysicalReplaceability	
physicalReplaceabilityStrategy	see ClassificationType	s3kl:PhysicalReplaceabilityStrategy	
4.4.3.5 SubstitutePartAsDesignedRelationship <<relationship>>		s3kl:substitutePartAsDesignedRelationship & s3kl:SubstitutePartAsDesignedRelationship	
4.4.3.6 HardwarePartAsDesigned		s3kl:HardwarePartAsDesigned	NEW s3kl:HardwarePartOccurrence
		s3kl:HardwarePartAsDesignedDesignData	
hardwarePartOperationalAuthorizedLife	AuthorizedLife		
hardwarePartHazardousClass	see ClassificationType	s3kl:HardwarePartHazardousClass	
hardwarePartFitmentRequirement	see ClassificationType	s3kl:HardwarePartFitmentRequirement	
hardwarePartElectromagneticIncompatible	boolean	s3kl:hardwarePartElectromagneticIncompatible	
hardwarePartElectrostaticSensitive	boolean	s3kl:hardwarePartElectrostaticSensitive	
hardwarePartElectromagneticSensitive	boolean	s3kl:hardwarePartElectromagneticSensitive	
hardwarePartMagneticSensitive	boolean	s3kl:hardwarePartMagneticSensitive	
hardwarePartRadiationSensitive	boolean	s3kl:hardwarePartRadiationSensitive	

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		s3kl:HardwarePartAsDesignedSupportData	
hardwarePartLogisticsCategory	see ClassificationType	s3kl:HardwarePartLogisticsCategory	
hardwarePartRepairability	see ClassificationType	s3kl:HardwarePartRepairability	
hardwarePartRepairabilityStrategy	see ClassificationType	s3kl:HardwarePartRepairabilityStrategy	
hardwarePartMaintenanceStart	see ClassificationType	s3kl:HardwarePartMaintenanceStart	
hardwarePartWasteProductsInUseDisposalDescription	DescriptorType	s3kl:hardwarePartWasteProductsInUseDisposalDescription	
hardwarePartWasteProductsPlannedDisposalDescription	DescriptorType	s3kl:hardwarePartWasteProductsPlannedDisposalDescription	
hardwarePartEnvironmentalAspectInUseClasses	see ClassificationType	s3kl:HardwarePartEnvironmentalAspectInUseClass	
hardwarePartEnvironmentalAspectPlannedDisposalClass	see ClassificationType	s3kl:HardwarePartEnvironmentalAspectPlannedDisposalClass	
hardwarePartScrapRate	PropertyType	s3kl:hardwarePartScrapRateString	
hardwarePartConsumptionRate	PropertyType	s3kl:hardwarePartConsumptionRateString	
4.4.3.7 SubstanceDefinition		s3kl:SubstanceDefinition	
substanceIdentifier	IdentifierType	s3kl:id	
substanceName	DescriptorType	s3kl:name	
substanceDescription	DescriptorType	s3kl:description	
substanceUsageCategory	see ClassificationType	s3kl:SubstanceUsageCategory	
substanceRiskDescription	DescriptorType	s3kl:substanceRiskDescription	

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substanceRiskFactor	see ClassificationType	s3kl:SubstanceRiskFactor	
substanceCharacteristicsRecordingDate	DateType	s3kl:substanceCharacteristicsRecordingDate	
4.4.3.8 ContainedSubstance <<relationship>>		s3kl:ContainedSubstance	
containedSubstanceJustificationDescription	DescriptorType	s3kl:description	
quantityOfContainedSubstance	PropertyType	quantityOfContainedSubstance	
4.4.3.9 SoftwarePartAsDesigned		s3kl:SoftwarePartAsDesigned	#
		s3kl:SoftwarePartAsDesignedDesignData	s3kl:SoftwarePartOc currence
softwareType	see ClassificationType	s3kl:SoftwareType	
softwarePartSize	PropertyType	s3kl:softwarePartSizeString	
Realization =====			
4.5.3.1 HardwareElement (Equipment)		s3kl:HardwareElement	
hardwareElementType	see ClassificationType	s3kl:HardwareElementType	
4.5.3.2 HardwareElementRevision		s3kl:HardwareElementRevision	
hardwareElementStructuralIndicator	see ClassificationType	s3kl:HardwareElementStructuralIndicator	
hardwareElementFunctionalReplaceability	see ClassificationType	s3kl:HardwareElementFunctionalReplaceability	
hardwareElementFunctionalReplaceabilityStrategy	see ClassificationType	s3kl:HardwareElementFunctionalReplaceabilityStrategy	
hardwareElementRepairability	see ClassificationType	s3kl:HardwareElementRepairability	

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hardwareElementRepairabilityStrategy	see ClassificationType	s3kl:HardwareElementRepairabilityStrategy	
4.5.3.3 HardwareElementPartRealization <<relationship>>		s3kl:hardwareElementPartRealization	#NEW HardwarePartOccurrence
4.5.3.4 SoftwareElement		s3kl:SoftwareElement	
softwareElementType	see ClassificationType	s3kl:SoftwareElementType	
4.5.3.5 SoftwareElementRevision		s3kl:SoftwareElementRevision	
softwareElementSize	PropertyType	s3kl:softwareElementSizeString	
softwareElementModificationFrequency	PropertyType	s3kl:softwareElementModificationFrequencyString	
4.5.3.6 SoftwareElementPartRealization <<relationship>>		s3kl:softwareElementPartRealization	#NEW SoftwarePartOccurrence
Element =====			
4.6.3.1 ZoneElement		s3kl:ZoneElement	
zoneElementType	see ClassificationType	s3kl:ZoneElementType	
4.6.3.2 ZoneElementRevision		s3kl:ZoneElementRevision	
zoneElementDescription	DescriptorType	s3kl:description	
4.6.3.3 BreakdownElementInZoneRelationship <<relationship>>		s3kl:breakdownElementInZoneRelationship & s3kl:BreakdownElementInZoneRelationship	
Aggregated Element =====			
4.7.3.1 AggregatedElement		s3kl:AggregatedElement	
aggregatedElementType	see ClassificationType	s3kl:AggregatedElementType	
4.7.3.2 AggregatedElementRevision		s3kl:AggregatedElementRevision	
aggregatedElementDescription	DescriptorType	s3kl:description	
Configuration =====			

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4.8.3.1 ItemInProductVariant <<relationship>>		s3kl:itemInProductVariant	
4.8.3.2 ProductVariantItem <<interface>>		s3kl:ProductVariantItem	
4.8.3.3 NestedProductVariantRelationship <<relationship>>		s3kl:nestedProductVariantRelationship & s3kl:NestedProductVariantRelationship	
4.8.3.4 AllowedProductConfiguration <<interface>>		s3kl:AllowedProductConfiguration	
4.8.3.5 NestedAllowedProductConfigurationRelationship <<relationship>>		s3kl:nestedAllowedProductConfigurationRelationship & s3kl:NestedAllowedProductConfigurationRelationship	
4.8.3.6 AuthorityToOperate		s3kl:AuthorityToOperate	
authorityToOperateIdentifier	IdentifierType	s3kl:id	
Designed		s3kl:AllowedProductConfigurationHardwarePartAsDesigned	
4.8.3.8 AllowedProductConfigurationByConfigurationIdentifier		s3kl:AllowedProductConfigurationByConfigurationIdentifier	
allowedProductConfigurationIdentifier	IdentifierType	s3kl:id	
4.8.3.9 ItemInAllowedProductConfiguration <<relationship>>		s3kl:itemInAllowedProductConfiguration & s3kl:ItemInAllowedProductConfiguration	
4.8.3.10 NonConformanceData		s3kl:NonConformanceData	
nonConformanceType	see ClassificationType	s3kl:NonConformanceType	
nonConformanceDescription	DescriptorType	s3kl:description	
nonConformanceRestriction	DescriptorType	s3kl:nonConformanceRestriction	
<<interface>>		s3kl:AllowedProductConfigurationItem	
<<interface>>		s3kl:SerialNumberApplicabilityItem	
4.8.3.13 ApplicableBlockOfSerializedEndItems		s3kl:ApplicableBlockOfSerializedEndItems	
applicableSerialNumberRange	SerialNumberRange	s3kl:applicableSerialNumberRange	
=====			
4.9.3.1 LSACandidate <<interface>>		s3kl:LSACandidate	

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LSACandidateIndicator	see ClassificationType	# sub-class of LSACandidate	
LSACandidateRationale	DescriptorType	s3kl:IsaCandidateRationale	
LSACandidateMaintenanceConcept	DescriptorType	s3kl:IsaCandidateMaintenanceConcept	
LSACandidateMaintenanceSolution	DescriptorType	s3kl:IsaCandidateMaintenanceSolution	
4.9.3.2 KeyPerformanceIndicator		s3kl:KeyPerformanceIndicator	
keyPerformanceIndicatorMethod	DescriptorType	s3kl:description	
keyPerformanceIndicatorStatus	see ClassificationType	s3kl:KeyPerformanceIndicatorStatus	
keyPerformanceIndicatorPercentile	PropertyType	s3kl:keyPerformanceIndicatorPercentileString	
4.9.3.3 ProductServiceLife		s3kl:ProductServiceLife	
productServiceLife	PropertyType	s3kl:productServiceLifeString	
4.9.3.4 ScheduledMaintenanceInterval		s3kl:ScheduledMaintenanceInterval	
scheduledMaintenanceInterval	PropertyType	s3kl:scheduledMaintenanceIntervalString	
4.9.3.5 MaintenanceFreeOperatingPeriod		s3kl:MaintenanceFreeOperatingPeriod	
maintenanceFreeOperatingPeriod	PropertyType	s3kl:maintenanceFreeOperatingPeriodString	
4.9.3.6 DownTime		s3kl:DownTime	
downTime	PropertyType	s3kl:downTimeString	
MaintenanceManHoursPerOperatingHour		s3kl:MaintenanceManHoursPerOperatingHour	
maintenanceManHoursPerOperatingHour	PropertyType	s3kl:maintenanceManHoursPerOperatingHourString	
MeanTimeBetweenUnscheduledRemoval		s3kl:MeanTimeBetweenUnscheduledRemoval	
meanTimeBetweenUnscheduledRemoval	PropertyType	s3kl:meanTimeBetweenUnscheduledRemovalString	
4.9.3.9 MeanTimeToRepair		s3kl:MeanTimeToRepair	
meanTimeToRepair	PropertyType	s3kl:meanTimeToRepairString	
4.9.3.10 DirectMaintenanceCost		s3kl:DirectMaintenanceCost	
directMaintenanceCost	PropertyType	s3kl:directMaintenanceCostString	
4.9.3.11 ShopProcessingTime		s3kl:ShopProcessingTime	
shopProcessingTime	PropertyType	s3kl:shopProcessingTimeString	
4.9.3.12 FailuresPerOperatingHour		s3kl:FailuresPerOperatingHour	
failuresPerOperatingHour	PropertyType	s3kl:failuresPerOperatingHourString	

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4.9.3.13 ReplacementTime		s3kl:ReplacementTime	
replacementTime	PropertyType	s3kl:replacementTimeString	
4.9.3.14 LifeCycleCost		s3kl:LifeCycleCost	
lifeCycleCost	PropertyType	s3kl:lifeCycleCostString	
4.9.3.15 MeanTimeBetweenFailure		s3kl:MeanTimeBetweenFailure	
meanTimeBetweenFailure	PropertyType	s3kl:meanTimeBetweenFailureString	
4.9.3.16 FailureRate		s3kl:FailureRate	
failureRate	PropertyType	s3kl:failureRateString	
4.9.3.17 CorrectionFactor		s3kl:CorrectionFactor	
correctionFactor	double	s3kl:correctionFactorDate	
correctionFactorJustification	DescriptorType	s3kl:correctionFactorJustification	
correctionFactorDate	DateType	s3kl:correctionFactorDate	
Analysis Activity =====			
4.10.3.1 CandidateItemAnalysisActivity		s3kl:CandidateItemAnalysisActivity	
candidateItemAnalysisActivityDate	DateType		
candidateItemAnalysisActivityIndicator	see ClassificationType	s3kl:CandidateItemAnalysisActivityIndicator	
candidateItemAnalysisActivityRationale	DescriptorType	s3kl:candidateItemAnalysisActivityRationale	
candidateItemAnalysisActivityStatus	see ClassificationType	s3kl:CandidateItemAnalysisActivityStatus	
LSACandidateComparativeAnalysisActivity		s3kl:LSACandidateComparativeAnalysisActivity	
LSACandidateHumanFactorAnalysisActivity		s3kl:LSACandidateHumanFactorAnalysisActivity	
LSACandidateReliabilityAnalysisActivity		s3kl:LSACandidateReliabilityAnalysisActivity	
LSACandidateMaintainabilityAnalysisActivity		s3kl:LSACandidateMaintainabilityAnalysisActivity	
LSACandidateTestabilityAnalysisActivity		s3kl:LSACandidateTestabilityAnalysisActivity	
Activity		s3kl:LSACandidateFailureModeAndEffectAnalysisActivity	
LSACandidateDamageAnalysisActivity		s3kl:LSACandidateDamageAnalysisActivity	
LSACandidateSpecialEventAnalysisActivity		s3kl:LSACandidateSpecialEventAnalysisActivity	
LSACandidateLevelOfRepairAnalysisActivity		s3kl:LSACandidateLevelOfRepairAnalysisActivity	
ty		s3kl:LSACandidateMaintenanceTaskAnalysisActivity	

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ctivity		s3kl:LSACandidateSoftwareDataLoadingAnalysisActivity	
y		s3kl:LSACandidateSoftwareSupportAnalysisActivity	
LSACandidateOperationalAnalysisActivity		s3kl:LSACandidateOperationalAnalysisActivity	
AnalysisActivity		s3kl:LSACandidateSimulationOperationalScenarioAnalysisActivity	
LSACandidateTrainingNeedsAnalysisActivity		s3kl:LSACandidateTrainingNeedsAnalysisActivity	
4.10.3.17 LSACandidateOtherAnalysisActivity		s3kl:LSACandidateOtherAnalysisActivity	
=====			
4.11.3.1 FailureAnalysisItem <<interface>>		s3kl:FailureAnalysisItem	
4.11.3.2 FailureMode		s3kl:FailureMode	
failureModeIdentifier	IdentifierType	s3kl:id	
failureModeDescription	DescriptorType	s3kl:description	
failureModeFailureRate	PropertyType	s3kl:failureModeFailureRateString	
failureModeDetectionAbilityRating	DatedClassification	s3kl:FailureModeDetectionAbilityRating	
failureModeDetectionAbilityDescription	DescriptorType	s3kl:failureModeDetectionAbilityDescription	
failureModeLocalizationAbilityRating	DatedClassification	s3kl:FailureModeLocalizationAbilityRating	
failureModeLocalizationAbilityDescription	DescriptorType	s3kl:description	
failureModeIsolationRate	PropertyType	s3kl:failureModeIsolationRateString	
4.11.3.3 TechnicalFailureMode		s3kl:TechnicalFailureMode	
4.11.3.4 LSAFailureMode		s3kl:LSAFailureMode	
LSAFailureModeWithDistributionRatio		s3kl:LSAFailureModeWithDistributionRatio	
LSAFailureModeDistributionRatio	PropertyType	s3kl:lsaFailureModeDistributionRatioString	
LSAFailureModeWithDistributionRating		s3kl:LSAFailureModeWithDistributionRating	
LSAFailureModeDistributionRating	see ClassificationType	s3kl:LSAFailureModeDistributionRating	
4.11.3.7 FailureModeEffect		s3kl:FailureModeEffect	
failureModeEffect	DescriptorType	s3kl:description	
4.11.3.8 LocalFailureModeEffect		s3kl:LocalFailureModeEffect	
4.11.3.9 HigherFailureModeEffect		s3kl:HigherFailureModeEffect	

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failureModeEffectLevel	see ClassificationType	s3kl:FailureModeEffectLevel	
4.11.3.10 DetectionMeanItem <<interface>>		s3kl:DetectionMeanItem	
4.11.3.11 DetectionMeanCapability		s3kl:DetectionMeanCapability	
detectionMeanDescription	DescriptorType	s3kl:description	
detectionMeanType	see ClassificationType	s3kl:DetectionMeanType	
4.11.3.12 DetectionMeanAlarm		s3kl:DetectionMeanAlarm	
detectionMeanAlarmDescription	DescriptorType	s3kl:description	
detectionMeanFalseAlarmRate	PropertyType	s3kl:detectionMeanFalseAlarmRateString	
detectionMeanFalseAlarmPresentation	DescriptorType	s3kl:detectionMeanFalseAlarmPresentation	
4.11.3.13 FailureModeDetection		s3kl:failureModeDetection & s3kl:FailureModeDetection	
failureModeDetectionRate	PropertyType	s3kl:failureModeDetectionRateString	
Damage =====			
4.12.3.1 DamageAnalysisItem <<interface>>		s3kl:DamageAnalysisItem	
<<attributeGroup>>		s3kl:LSACandidateTechnologyBehaviourRating	
technologyBehaviourKnowledgeRating	DatedClassification	s3kl:TechnologyBehaviourKnowledgeRating	
technologySensitivityRating	DatedClassification	s3kl:TechnologySensitivityRating	
4.12.3.3 Damage		s3kl:Damage	
damageDescription	DescriptorType	s3kl:description	
damageFamily	see ClassificationType	s3kl:DamageFamily	
4.12.3.4 PossibleSpecialEventEffect <<relationship>>		s3kl:possibleSpecialEventEffect & s3kl:PossibleSpecialEventEffect	
4.12.3.5 SpecialEvent		s3kl:SpecialEvent	
specialEventTitle	see ClassificationType	s3kl:SpecialEventTitle	

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specialEventDescription	DescriptorType	s3kl:description	
specialEventGroup	see ClassificationType	s3kl:SpecialEventGroup	
<<relationship>>		s3kl:SpecialEventOccurrence	
<<relationship>>		s3kl:RatedSpecialEventOccurrence	
specialEventOccurrenceRating	see ClassificationType	s3kl:SpecialEventOccurrenceRating	
<<relationship>>		s3kl:QuantifiedSpecialEventOccurrence	
specialEventOccurrenceRate	PropertyType	s3kl:specialEventOccurrenceRateString	
4.12.3.9 ProductUsagePhase		s3kl:ProductUsagePhase	
productUsagePhase	see ClassificationType	s3kl:ProductUsagePhase	
Task Requirement =====			
4.13.3.1 TaskRequirement		s3kl:TaskRequirement	
taskRequirementIdentifier	IdentifierType	s3kl:id	
4.13.3.2 AuthorityDrivenTaskRequirement		s3kl:AuthorityDrivenTaskRequirement	
taskRequirementAuthoritySourceType	see ClassificationType	s3kl:TaskRequirementAuthoritySourceType	
taskRequirementAuthority	Organization		
4.13.3.3 TaskRequirementRevision		s3kl:TaskRequirementRevision	
taskRequirementRevisionIdentifier	IdentifierType	s3kl:vid	
taskRequirementRevisionChange Description	DescriptorType	s3kl:description	
taskRequirementDate	DateType	s3kl:taskRequirementDate	
taskRequirementDescription	DescriptorType	s3kl:description	
taskRequirementDecision	see ClassificationType	s3kl:TaskRequirementDecision	
taskRequirementSpecialResourceRequirement	DescriptorType	s3kl:taskRequirementSpecialResourceRequirement	

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4.13.3.4 TaskRequirementTarget <<relationship>>		s3kl:taskRequirementTarget & s3kl:TaskRequirementTarget	
<<interface>>		s3kl:TaskRequirementJustificationItem	
4.13.3.6 TaskRequirementJustification <<relationship>>		s3kl:taskRequirementJustification & s3kl:TaskRequirementJustification	
4.13.3.7 ChangeRequest		s3kl:ChangeRequest	
changeRequestDescription	DescriptorType	s3kl:description	
changeRequestIdentifier	IdentifierType	s3kl:id	
<<relationship>>		s3kl:changeRequestSource	
<<relationship>>		s3kl:changeRequestTarget	
4.13.3.10 FunctionalFailure		s3kl:FunctionalFailure	
functionalFailureDescription	DescriptorType	s3kl:description	
functionalFailureEffectCriticality	see ClassificationType	s3kl:FunctionalFailureEffectCriticality	
=====			
4.14.3.1 Task		s3kl:Task	
taskIdentifier	IdentifierType	s3kl:id	
4.14.3.2 RectifyingTask		s3kl:RectifyingTask	
packagedTask	boolean	s3kl:packagedTask	
4.14.3.3 SupportingTask		s3kl:SupportingTask	
4.14.3.4 OperationalTask		s3kl:OperationalTask	
4.14.3.5 TaskRevision		s3kl:TaskRevision	
taskRevisionIdentifier	IdentifierType	s3kl:vid	
taskName	DescriptorType	s3kl:name	
taskRevisionStatus	see ClassificationType	# sub-class of TaskRevision	
taskRevisionChangeDescription	DescriptorType	s3kl:description	
informationCode	see ClassificationType	s3kl:InformationCode	

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taskPersonnelSafetyCriticality	see ClassificationType	s3kl:TaskPersonnelSafetyCriticality	
taskProductIntegrityCriticality	see ClassificationType	s3kl:TaskProductIntegrityCriticality	
taskOperabilityImpact	see ClassificationType	s3kl:TaskOperabilityImpact	
taskDuration	PropertyType	s3kl:taskDurationString	
taskTotalLabourTime	PropertyType	s3kl:taskTotalLabourTimeString	
4.14.3.6 TaskJustification <<relationship>>		s3kl:taskJustification	
4.14.3.7 DataModuleScope <<relationship>>		s3kl:dataModuleScope & s3kl:DataModuleScope	
4.14.3.8 Subtask		s3kl:Subtask	
subtaskIdentifier	IdentifierType	s3kl:id	
subtaskRole	see ClassificationType	s3kl:SubtaskRole	
4.14.3.9 SubtaskTimeline		s3kl:subtaskTimeline & s3kl:SubtaskTimeline	
subtaskTimelineEvent	see ClassificationType	# sub-properties of s3kl:subtaskTimeline	
subtaskTimelineLag	PropertyType	s3kl:subtaskTimelineLagString	
4.14.3.10 WarningCautionNote		s3kl:WarningCautionNote	
warningCautionNoteIdentifier	IdentifierType	s3kl:id	
warningCautionNoteDescription	DescriptorType	s3kl:description	
warningCautionNoteType	see ClassificationType	s3kl:WarningCautionNoteType	
4.14.3.11 TaskRevisionWarningCautionNote <<relationship>>		s3kl:taskRevisionWarningCautionNote & s3kl:TaskRevisionWarningCautionNote	

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4.14.3.12 SubtaskWarningCautionNote <<relationship>>		s3kl:subtaskWarningCautionNote & s3kl:SubtaskWarningCautionNote	
4.14.3.13 SubtaskByTaskReference		s3kl:SubtaskByTaskReference	
4.14.3.14 TaskReference <<relationship>>		s3kl:taskReference	
4.14.3.15 SubtaskByDefinition		s3kl:SubtaskByDefinition	
subtaskName	DescriptorType	s3kl:name	
informationCode	see ClassificationType	s3kl:InformationCode	
subtaskDescription	DescriptorType	s3kl:description	
subtaskDuration	PropertyType	s3kl:subtaskDurationString	
subtaskMaintenanceLocation	see ClassificationType	s3kl:SubtaskMaintenanceLocation	
subtaskEndItemObjectiveState	see ClassificationType	s3kl:SubtaskEndItemObjectiveState	
4.14.3.16 SubtaskInZone <<relationship>>		s3kl:subtaskInZone & s3kl:SubtaskInZone	
<<attributeGroup>>		s3kl:SubtaskAcceptanceParameter	
subtaskAcceptanceParameterDescription	DescriptorType	s3kl:description	
subtaskAcceptanceParameterValue	PropertyType	s3kl:subtaskAcceptanceParameterValueString	
4.14.3.18 SubtaskTarget <<relationship>>		s3kl:subtaskTarget	
4.14.3.19 SubtaskCircuitBreakerSettings		s3kl:SubtaskCircuitBreakerSettings	
4.14.3.20 SubtaskCircuitBreakerSettingsTimeline		s3kl:subtaskCircuitBreakerSettingsTimeline & s3kl:SubtaskCircuitBreakerSettingsTimeline	
OrderedSubtaskCircuitBreakerSettings		s3kl:OrderedSubtaskCircuitBreakerSettings	
RandomSubtaskCircuitBreakerSettings		s3kl:RandomSubtaskCircuitBreakerSettings	
(singular) <<attributeGroup>>		s3kl:SubtaskCircuitBreakerSetting	
circuitBreakerState	see ClassificationType	# sub classes of SubtaskCircuitBreakerSetting	
4.14.3.24 CircuitBreaker		s3kl:CircuitBreaker	

Classes & DataElements

circuitBreakerIdentifier	IdentifierType	s3kl:id	
circuitBreakerName	DescriptorType	s3kl:name	
circuitBreakerType	see ClassificationType	s3kl:CircuitBreakerType	
4.14.3.25 SubtaskByExternalReference		s3kl:SubtaskByExternalReference	
=====			
4.15.3.1 TaskResourceItem <<interface>>		s3kl:TaskResourceItem	
4.15.3.2 TaskResource		s3kl:TaskResource	
fixedResourceMarker	boolean	s3kl:fixedResourceMarker	
taskResourceDuration	PropertyType	s3kl:taskResourceDurationString	
4.15.3.3 TaskResourceRelationship		s3kl:taskResourceRelationship & s3kl:TaskResourceRelationship	
taskResourceRelationshipCategory	see ClassificationType	# sub-property of TaskResourceRelationship	
4.15.3.4 TaskMaterialResource		s3kl:TaskMaterialResource	
taskMaterialResourceQuantity	PropertyType	s3kl:taskMaterialResourceQuantity	
taskMaterialResourceCategory	see ClassificationType	s3kl:TaskMaterialResourceCategory	
4.15.3.5 TaskMaterialResourceByReference		s3kl:TaskMaterialResourceByReference	
TaskMaterialResourceBySpecification		s3kl:TaskMaterialResourceBySpecification	
4.15.3.7 ResourceSpecification		s3kl:ResourceSpecification	
resourceSpecificationIdentifier	IdentifierType	s3kl:id	
resourceSpecificationName	DescriptorType	s3kl:name	
resourceSpecificationDescription	DescriptorType	s3kl:description	
4.15.3.8 ResourceRealization <<relationship>>		s3kl:resourceRealization & s3kl:ResourceRealization	
4.15.3.9 MaterialResourceSpecification		s3kl:MaterialResourceSpecification	
4.15.3.10 TaskFacilityResource		s3kl:TaskFacilityResource	
taskFacilityResourceQuantity	PropertyType	s3kl:taskFacilityResourceQuantity	

Classes & DataElements

4.15.3.11 TaskFacilityResourceByReference		s3kl:TaskFacilityResourceByReference	
TaskFacilityResourceBySpecification		s3kl:TaskFacilityResourceBySpecification	
4.15.3.13 FacilityResourceSpecification??		s3kl:FacilityResourceSpecification	
<<interface>>		s3kl:TaskResourceByReferenceItem	
4.15.3.15 TaskPersonnelResource		s3kl:TaskPersonnelResource	
taskPersonnelResourceRole	see ClassificationType	s3kl:TaskPersonnelResourceRole	
taskNumberOfPersonnelResource	PropertyType	s3kl:taskNumberOfPersonnelResourceString	
taskPersonnelResourceLabourTime	PropertyType	s3kl:taskPersonnelResourceLabourTimeString	
<<interface>>		s3kl:CompetenceDefinitionItem	
4.15.3.17 Trade		s3kl:Trade	
tradeName	see ClassificationType	# sub-class of Trade	
4.15.3.18 Skill		s3kl:Skill	
skillCode	IdentifierType	s3kl:id	
4.15.3.19 SkillLevel		s3kl:SkillLevel	
skillLevelName	see ClassificationType	s3kl:SkillLevelType (NOT NAME !)	
skillLevelDescription	DescriptorType	s3kl:description	
4.15.3.20 TaskPersonnelResourceCompetence <<relationship>>		s3kl:taskPersonnelResourceCompetence & s3kl:TaskPersonnelResourceCompetence	
4.15.3.21 AdditionalTrainingRequirement <<attributeGroup>>		s3kl:AdditionalTrainingRequirement	
additionalTrainingRequirementsDescription	DescriptorType	s3kl:description	
trainingMethod	see ClassificationType	s3kl:TrainingMethod	
4.15.3.22 TaskDocumentResource		s3kl:TaskDocumentResource	
=====			

Classes & DataElements

4.16.3.1 TaskTarget <<relationship>>		s3kl:TaskTarget	
4.16.3.2 TaskFrequency		s3kl:TaskFrequency	
taskFrequency	PropertyType	s3kl:taskFrequencyString	
taskFrequencyCalculationMethod	DescriptorType	s3kl:taskFrequencyCalculationMethod	
4.16.3.3 PlannedTaskItem <<interface>>		s3kl:PlannedTaskItem	
4.16.3.4 PlannedTaskTarget <<relationship>>		s3kl:PlannedTaskTarget	
4.16.3.5 AllocatedMaintenanceLevel <<relationship>>		s3kl:allocatedMaintenanceLevel & s3kl:AllocatedMaintenanceLevel	
<<interface>>		s3kl:AllocatedMaintenanceLevelItem	
4.16.3.7 TimeLimit		s3kl:TimeLimit	
timeLimitHarmonizationIndicator	boolean	s3kl:timeLimitHarmonizationIndicator	
timeLimitDescription	DescriptorType	s3kl:description	
4.16.3.8 TimeLimitItem <<interface>>		s3kl:TimeLimitItem	
4.16.3.9 SamplingDefinition		s3kl:SamplingDefinition	
samplingMethodDescription	DescriptorType	s3kl:description	
4.16.3.10 SamplingDefinitionByRatio		s3kl:SamplingDefinitionByRatio	
samplingRatio	double	s3kl:samplingRatio	
4.16.3.11 SamplingDefinitionByValue		s3kl:SamplingDefinitionByValue	
samplingValue	PropertyType	s3kl:samplingValueString	
4.16.3.12 SamplingItem <<interface>>		s3kl:SamplingItem	
4.16.3.13 DiscreteTimeLimit		s3kl:DiscreteTimeLimit	
4.16.3.14 PeriodicTimeLimit		s3kl:PeriodicTimeLimit	
4.16.3.15 InitialTimeLimit		s3kl:InitialTimeLimit	
4.16.3.16 RepeatTimeLimit		s3kl:RepeatTimeLimit	
4.16.3.17 SubsequentRepeatRelationship <<relationship>>		s3kl:subsequentRepeatRelationship & s3kl:subsequentRepeatRelationship	
4.16.3.18 ThresholdDefinition		s3kl:ThresholdDefinition	
4.16.3.19 ParameterThresholdDefinition		s3kl:ParameterThresholdDefinition	
thresholdValue	PropertyType	s3kl:thresholdValueString	
4.16.3.20 EventThresholdDefinition		s3kl:EventThresholdDefinition	

Classes & DataElements

eventThresholdNumberOfEventOccurrences	int	s3kl:eventThresholdNumberOfEventOccurrences	
4.16.3.21 FailureModeThresholdDefinition		s3kl:FailureModeThresholdDefinition	
4.16.3.22 SpecialEventThresholdDefinition		s3kl:SpecialEventThresholdDefinition	
4.16.3.23 TaskThresholdDefinition		s3kl:TaskThresholdDefinition	
=====			
<<relationship>>		s3kl:SupportingTaskTarget	
Classification =====			
4.18.3.1 SecurityClass		s3kl:SecurityClass	
securityClass	see ClassificationType	s3kl:SecurityClassType	
<<interface>>		s3kl:SecurityClassificationItem	
4.18.3.3 SecurityClassification <<relationship>>		s3kl:securityClassification & s3kl:SecurityClassification	
Assignment =====			
4.19.3.1 OrganizationAssignmentItem		s3kl:OrganizationAssignmentItem	
4.19.3.2 OrganizationAssignment <<relationship>>		s3kl:organizationAssignment & s3kl:OrganizationAssignment	
organizationAssignmentRole	see ClassificationType	# sub-properties of OrganizationAssignment	
=====			
4.20.3.1 Document		s3kl:Document	
4.20.3.2 DocumentIssue		s3kl:DocumentIssue	
4.20.3.3 S1000DDataModule		s3kl:S1000DDataModule	
dataModuleCode	IdentifierType	s3kl:id	
dataModuleInfoname	DescriptorType	s3kl:name	
4.20.3.4 S1000DDataModuleIssue		s3kl:S1000DDataModuleIssue	
dataModuleIssueNumber	IdentifierType	s3kl:vid	
4.20.3.5 S1000DPublicationModule		s3kl:S1000DPublicationModule	
publicationModuleCode	IdentifierType	s3kl:id	

Classes & DataElements

publicationModuleTitle	DescriptorType	s3kl:publicationModuleTitle	
4.20.3.6 S1000DPublicationModuleIssue		s3kl:S1000DPublicationModuleIssue	
publicationModuleIssueNumber	IdentifierType	s3kl:vid	
4.20.3.7 ExternalDocument		s3kl:ExternalDocument	
documentIdentifier	IdentifierType	s3kl:id	
documentTitle	DescriptorType	s3kl:documentTitle	
documentType	see ClassificationType	s3kl:DocumentType	
documentLocation	DescriptorType	s3kl:documentLocation	
4.20.3.8 ExternalDocumentIssue		s3kl:ExternalDocumentIssue	
documentIssueIdentifier	IdentifierType	s3kl:vid	
documentIssueDate	DateType	s3kl:documentIssueDate	
4.20.3.9 DocumentAssignmentItem		s3kl:DocumentAssignmentItem	
4.20.3.10 DocumentItem <<interface>>		s3kl:DocumentItem	
4.20.3.11 DocumentAssignment <<relationship>>		s3kl:documentAssignment & s3kl:DocumentAssignment	
documentAssignmentRole	see ClassificationType	# sub-properties of DocumentAssignment	
documentPortion	DescriptorType	s3kl:documentPortion	
=====			
4.21.3.1 Remark		s3kl:Remark	
remarkText2x	DescriptorType	s3kl:description	
remarkType	see ClassificationType	s3kl:RemarkType	
4.21.3.2 RemarkAssignmentItem <<interface>>		s3kl:RemarkAssignmentItem	
4.21.3.3 RemarkAssignment <<relationship>>		s3kl:remarkAssignment & s3kl:RemarkAssignment	
ApplicabilityStatement =====			
4.22.3.1 ConditionType		s3kl:ConditionType	

Classes & DataElements

conditionTypeDescription	DescriptorType	s3kl:description	
conditionTypeName	see ClassificationType	s3kl:ConditionTypeName	
4.22.3.2 ConditionTypeValue		s3kl:ConditionTypeValue	
4.22.3.3 ConditionTypeClassValue		s3kl:ConditionTypeClassValue	
conditionTypeClassValue	see ClassificationType	s3kl:ConditionTypeClassValue	
4.22.3.4 ConditionTypePropertyValue		s3kl:ConditionTypePropertyValue	
conditionTypePropertyValue	PropertyType	s3kl:conditionTypePropertyValueString	
<<interface>>		s3kl:ConditionDefinitionItem	
4.22.3.6 ConditionInstance		s3kl:ConditionInstance	
conditionInstanceDescription	DescriptorType	s3kl:description	
conditionInstanceIdentifier	IdentifierType	s3kl:id	
conditionInstanceName	DescriptorType	s3kl:name	
4.22.3.7 ApplicabilityStatement		s3kl:ApplicabilityStatement	
applicabilityStatementIdentifier	IdentifierType	s3kl:id	
applicabilityStatementDescription	DescriptorType	s3kl:description	
4.22.3.8 DatedApplicabilityStatement		s3kl:DatedApplicabilityStatement	
applicabilityEndDate	DateType	s3kl:applicabilityEndDate	
applicabilityStartDate	DateType	s3kl:applicabilityStartDate	
<<relationship>>		s3kl:ApplicabilityAssignment	
4.22.3.10 ApplicabilityAssignmentItem <<interface>>		s3kl:ApplicabilityAssignmentItem	
4.22.3.11 ApplicabilityEvaluation		s3kl:ApplicabilityEvaluation	
ApplicabilityEvaluationByLogicalOperator			s3kl:LogicalOperator
4.22.3.13 LogicalOperator		s3kl:LogicalOperator	
4.22.3.14 AND		s3kl:AND	
4.22.3.15 OR		s3kl:OR	
4.22.3.16 NOT		s3kl:NOT	

Classes & DataElements

4.22.3.17 ApplicabilityEvaluationByApplicabilityStatementReference		s3kl:ApplicabilityEvaluationByApplicabilityStatementReference	
4.22.3.18 ApplicabilityEvaluationByAssertion		s3kl:ApplicabilityEvaluationByAssertion	
n			ment
4.22.3.20 ConditionStatement		s3kl:ConditionStatement	
ance		s3kl:ApplicabilityEvaluationByAssertionOfClassInstance	
<<interface>>		s3kl:ApplicabilityAssertItem	
edItems			edItems
4.22.3.24 BlockOfSerializedItems		s3kl:BlockOfSerializedItems	
applicableSerialNumberRange	SerialNumberRange	s3kl:applicableSerialNumberRange	
4.22.3.25 SerializedItem		s3kl:SerializedItem	
#=== page 49/ ===			
authorizedLife	PropertyType	s3kl:authorizedLifeString	
class			
classificationDate	DateType	PUNNING of s3kl:dateTimeProperty	
classifier	a owl:class		
dayComponent	int	part of xsd:dateTime	
descriptorLanguage	ClassificationType	language tag; e.g.: :jone :name "Jacque"@fr .	
descriptorProvidedBy	Organization	PUNNING of datatypeProperty	
descriptorProvidedDate	DateType	PUNNING of datatypeProperty	
descriptorText	char	xsd:string	
identifier	char	xsd:string	
#=== page 50/ ===			

Classes & DataElements

identifierClassifier	ClassificationType	PUNNING of datatypeProperty	
identifierSetBy	Organization	PUNNING of datatypeProperty	
lifeAuthorizingOrganization	Organization	PUNNING of datatypeProperty	
lowerBound	char	s3kl:lowerBound	
lowerLimitValue	double	s3kl:lowerLimitValue	
lowerOffsetValue	double	s3kl:lowerOffsetValue	
monthComponent	int	part of xsd:dateTime	
#=== page 51/ ===			
nominalValue	double	s3kl:nominalValue	
textValue	char	xsd:string	
unit			
upperBound	char	s3kl:upperBound	
upperOffsetValue	double	s3kl:upperOffsetValue	
upperLimitValue	double	s3kl:upperLimitValue	
value	double	s3kl:value	
valueDetermination	ClassificationType	PUNNING of datatypeProperty	
#=== page 52/ ===			
valueRecordingDate	DateType	DateType	
yearComponent	int	part of xsd:dateTime	

All Associations

UML Class	UML Association name	Subject = Domain	ObjectProperty	Object = Range	Remark
#===== 4.1 UOF Product and Project =====					
4.1.3.2 ContractContext <<relationship>>	#THIS related & relating	s3kl:Contract	s3kl:contractContext	s3kl:Project	
4.1.3.4 ContractRelationship <<relationship>>)	#THIS related & relating	s3kl:Contract	s3kl:subContract	s3kl:Contract	
4.1.3.7 ContractContractor <<relationship>>	#THIS related & relating	s3kl:Contract	s3kl:contractContractor	s3kl:Organization	
4.1.3.9 ContractCustomer <<relationship>>	#THIS related & relating	s3kl:Contract	s3kl:contractCustomer	s3kl:Organization	
4.1.3.11 UserCustomerConte xt <<relationship>>	#THIS related & relating	s3kl:Organization	s3kl:userCustomerContext	s3kl:Organization	
4.1.3.12 UserOfContractedPr oductVariant <<relationship>>	#THIS related & relating	s3kl:ContractedProductVariant	s3kl:userOfContractedProductV ariant	s3kl:Organization	
4.1.3.13 ContractedProductV ariant <<relationship>>	related	s3kl:ContractedProductVariant	s3kl:contractedProductVariantR elated	s3kl:ProductVariant	
4.1.3.13 ContractedProductV ariant <<relationship>>	relating	s3kl:ContractedProductVariant	s3kl:contractedProductVariantR elating	s3kl:Contract	#Compositio n & existence dependency ?
4.1.3.14 ProductVariant	#no, element in composition	s3kl:ProductVariant	s3kl:productVariantOwnedBy	s3kl:Product	

All Associations

#===== 4.2 UOF Product Usage Context =====					
4.2.3.3 MaintenanceLocation	maintenanceCapability	s3kl:MaintenanceLocation	s3kl:maintenanceCapability	s3kl:MaintenanceLevel	
4.2.3.4 OperatorMaintenanceLevel <<relationship>>	#THIS related & relating	s3kl:MaintenanceLevel	s3kl:operatorMaintenanceLevel	s3kl:Organization	
4.2.3.5 OperatorMaintenanceLocation <<relationship>>	#THIS related & relating	s3kl:MaintenanceLocation	s3kl:operatorMaintenanceLocation	s3kl:Organization	
4.2.3.6 OperatingLocationType	no name provide	s3kl:OperatingLocationType	s3kl:operatorLocationType	s3kl:Organization	
4.2.3.7 OperatingLocation	operatingCapability	s3kl:OperatingLocation	s3kl:operatingCapability	s3kl:OperatingLocationType	
4.2.3.7 OperatingLocation	no name provided	s3kl:OperatingLocation	s3kl:operatorLocation	s3kl:Organization	
4.2.3.8 MaintenanceCapabilityAtOperatingLocationType <<relationship>>	#THIS related & relating	s3kl:OperatingLocationType	s3kl:maintenanceCapabilityAtOperatingLocationType	s3kl:MaintenanceLevel	
4.2.3.9 ContractedProductVariantAtOperatingLocationType <<relationship>>	operatedProductVariant & theaterOfOperation	s3kl:ContractedProductVariant	s3kl:contractedProductVariantAtOperatingLocationType	s3kl:OperatingLocationType	
4.2.3.10 ContractedProductVariantAtOperatingLocation <<relationship>>	operatedProductVariant & theaterOfOperation	s3kl:ContractedProductVariant	s3kl:contractedProductVariantAtOperatingLocation	s3kl:OperatingLocation	

All Associations

#===== 4.3 UOF Breakdown Structure =====					
4.3.3.1 Breakdown	#no, element in composition	s3kl:Breakdown	s3kl:breakdownOwnedBy	s3kl:BreakdownItem	
4.3.3.3 BreakdownRevision	#no, element in composition	s3kl:BreakdownRevision	s3kl:breakdownRevisionOwnedBy	s3kl:Breakdown	
4.3.3.4 BreakdownElementUsageInBreakdown <<relationship>>	related	s3kl:BreakdownElementUsageInBreakdown	s3kl:breakdownElementUsageInBreakdownRelated	s3kl:BreakdownElementRevision	
4.3.3.4 BreakdownElementUsageInBreakdown <<relationship>>	relating	s3kl:BreakdownElementUsageInBreakdown	s3kl:breakdownElementUsageInBreakdownRelating	s3kl:BreakdownRevision	
4.3.3.5 BreakdownElementStructure <<relationship>>	#THIS parent & child	s3kl:BreakdownElementUsageInBreakdown	s3kl:breakdownElementStructure	s3kl:BreakdownElementUsageInBreakdown	
4.3.3.6 BreakdownElementStructureRelationship <<relationship>>	#THIS related & relating	s3kl:BreakdownElementUsageInBreakdown	s3kl:breakdownElementStructureRelationship	s3kl:BreakdownElementUsageInBreakdown	
4.3.3.8 BreakdownElementRevision	#no, element in composition	s3kl:BreakdownElementRevision	s3kl:breakdownElementRevisionOwnedBy	s3kl:BreakdownElement	
4.3.3.9 BreakdownElementRevisionRelationship <<relationship>>	#THIS related & relating	s3kl:BreakdownElementRevision	s3kl:breakdownElementRevisionRelationship	s3kl:BreakdownElementRevision	#PUNNING on breakdownElementRelationshipType
#===== 4.4 UOF Part Definition =====					

All Associations

4.4.3.1 PartAsDesigned	#composition from NEW PartOccurrence	s3kl:PartOccurrence	s3kl:partOccurrenceDefinition	s3kl:PartAsDesigned	
4.4.3.2 AlternatePartAsDesi gnedRelationship <<relationship>>	#THIS basePart & alternatePart	s3kl:PartAsDesigned	s3kl:alternatePartAsDesignedR elationship	s3kl:PartAsDesigned	#class mapped to ObjectPrope rty
4.4.3.3 PartAsDesignedPart sList	#no, element in composition	s3kl:PartAsDesignedPartsList	s3kl:partAsDesignedPartsListO wnedBy	s3kl:PartAsDesigned	#Compositio n & existence dependency
4.4.3.4 PartAsDesignedPart ListEntry	parent	s3kl:PartAsDesignedPartListE ntry	s3kl:partListEntryParent	s3kl:PartAsDesigned	
4.4.3.4 PartAsDesignedPart ListEntry	child # covered by superclass PartOccurrence				#members of a PartAsDesig nedPartListE ntry are subClasses of members of a PartAsDesig ned
4.4.3.5 SubstitutePartAsDesi gnedRelationship <<relationship>>	#THIS base.. & substitutePartsListEntry	s3kl:PartAsDesignedPartListE ntry	s3kl:substitutePartAsDesigned Relationship	s3kl:PartAsDesignedPartLis tEntry	#class mapped to ObjectPrope rty
4.4.3.6 HardwarePartAsDesi gned	#composition from NEW HardwarePartOccurrence	s3kl:HardwarePartOccurrence	s3kl:partOccurrenceDefinition	s3kl:HardwarePartAsDesign ed	

All Associations

<p>4.4.3.8 ContainedSubstance <<relationship>></p>	<p>related</p>	<p>s3kl:ContainedSubstance</p>	<p>s3kl:containedSubstanceRelate d</p>	<p>s3kl:SubstanceDefinition</p>	<p>#members of a ContainedSu bstance are subClasses of members of a SubstanceD efinition#trea ted as an occurrence of SubstanceD efinition, not as a relation</p>
<p>4.4.3.8 ContainedSubstance <<relationship>></p>	<p>relating</p>	<p>s3kl:ContainedSubstance</p>	<p>s3kl:containedSubstanceRelati ng</p>	<p>s3kl:HardwarePartAsDesign ed</p>	<p>#members of a ContainedSu bstance are subClasses of members of a SubstanceD efinition#trea ted as an occurrence of SubstanceD efinition, not as a relation</p>

All Associations

4.4.3.9 SoftwarePartAsDesi gned2x	#composition from NEW SoftwarePartOccurrence	s3kl:SoftwarePartOccurrence	s3kl:partOccurrenceDefinition	s3kl:SoftwarePartAsDesign ed	
?? What about 6 not listed <<attributeGroup>>s ?					
PartAsDesignedDesi gnData	viewDefinition # only element in composition			s3kl:PartAsDesigned	
PartAsDesignedSup portData	viewDefinition # only element in composition			s3kl:PartAsDesigned	
PartAsDesignedCont rolledItemData	viewDefinition # only element in composition			s3kl:PartAsDesigned	
HardwarePartAsDesi gnedDesignData	viewDefinition # only element in composition			s3kl:HardwarePartAsDesign ed	
HardwarePartAsDesi gnedSupportData	viewDefinition # only element in composition			s3kl:HardwarePartAsDesign ed	
SoftwarePartAsDesi gnedDesignData	viewDefinition # only element in composition			s3kl:SoftwarePartAsDesign ed	
#===== 4.5 UOF Breakdown Element Realization =====					
4.5.3.2 HardwareElementRe vision	#no, refined element in composition	s3kl:HardwareElementRevisio n	s3kl:breakdownElementRevisio nOwnedBy	s3kl:HardwareElement	(inherited association)
4.5.3.3 HardwareElementPa rtRealization <<relationship>>	#THIS related & relating	s3kl:HardwareElementRevisio n	s3kl:hardwareElementPartRealiz ation	s3kl:HardwarePartOccurren ce	#class mapped to ObjectPrope rty
4.5.3.5 SoftwareElementRev ision	#no, refined element in composition	s3kl:SoftwareElementRevision	s3kl:breakdownElementRevisio nOwnedBy	s3kl:SoftwareElement	(inherited association)

All Associations

4.5.3.6 SoftwareElementPart Realization <<relationship>>	#THIS related & relating	s3kl:SoftwareElementRevision	s3kl:softwareElementPartRealization	s3kl:SoftwarePartOccurrence	#class mapped to ObjectProperty
#===== 4.6 UOF Breakdown Zone Element =====					
4.6.3.2 ZoneElementRevision	#no, refined element in composition	s3kl:ZoneElementRevision	s3kl:breakdownElementRevisionOwnedBy	s3kl:ZoneElement	(inherited association)
4.6.3.3 BreakdownElementInZoneRelationship <<relationship>>	#THIS relatingElement & relatedZone	s3kl:BreakdownElementUsageInBreakdown	s3kl:breakdownElementInZoneRelationship	s3kl:BreakdownElementUsageInBreakdown	
#===== 4.7 UOF Breakdown Aggregated Element =====					
4.7.3.2 AggregatedElementRevision	#no, refined element in composition	s3kl:AggregatedElementRevision	s3kl:breakdownElementRevisionOwnedBy	s3kl:AggregatedElement	(inherited association)
#===== 4.8 UOF Product Design Configuration =====					
4.8.3.1 ItemInProductVariant <<relationship>>	#THIS relating & related	s3kl:ProductVariant	s3kl:itemInProductVariant	s3kl:ProductVariantItem	
4.8.3.3 NestedProductVariantRelationship <<relationship>>	#THIS parent & child	s3kl:ProductVariant	s3kl:nestedProductVariantRelationship	s3kl:ProductVariant	

All Associations

4.8.3.4 AllowedProductConfiguration <<interface>>	#no, element in composition	s3kl:AllowedProductConfiguration	s3kl:allowedProductConfigurationOwnedBy	s3kl:ProductVariant	
4.8.3.5 NestedAllowedProductConfigurationRelationship <<relationship>>	#THIS parent & child	s3kl:AllowedProductConfiguration	s3kl:nestedAllowedProductConfigurationRelationship	s3kl:AllowedProductConfiguration	
4.8.3.6 AuthorityToOperate	#no, element in composition	s3kl:AuthorityToOperate	s3kl:authorityToOperateOwnedBy	s3kl:AllowedProductConfiguration	
4.8.3.9 ItemInAllowedProductConfiguration <<relationship>>	#THIS resolvedConfiguration & includedItem	s3kl:AllowedProductConfiguration	s3kl:itemInAllowedProductConfiguration	s3kl:AllowedProductConfigurationItem	
4.8.3.10 NonConformanceData	#no, element in composition	s3kl:NonConformanceData	s3kl:nonConformanceDataOwnedBy	s3kl:AllowedProductConfigurationItem	#DIFFERENT range
4.8.3.13 ApplicableBlockOfSerializedEndItems	#no, element in composition	s3kl:ApplicableBlockOfSerializedEndItems	s3kl:applicableBlockOfSerializedEndItemsOwnedBy	s3kl:SerialNumberApplicabilityItem	
#===== 4.9 UOF LSA candidate =====					
4.9.3.2 KeyPerformanceIndicator	#no, element in composition	s3kl:KeyPerformanceIndicator	s3kl:keyPerformanceIndicatorOwnedBy	s3kl:LSACandidate	
4.9.3.17 CorrectionFactor	#no, element in alternative compositions	s3kl:CorrectionFactor	s3kl:correctionFactorOwnedBy	s3kl:FailureRate or s3kl:MeanTimeBetweenFailure	
#===== 4.10 UOF LSA Candidate Analysis Activity =====					

All Associations

4.10.3.1 CandidateItemAnalysisActivity	#no, element in composition	s3kl:CandidateItemAnalysisActivity	s3kl:candidateItemAnalysisActivityOwnedBy	s3kl:LSACandidate	UML Problem: 1 in total or 0..1 of each subtype ?
#===== 4.11 UOF LSA FMEA =====					
4.11.3.2 FailureMode	#no	s3kl:FailureMode	s3kl:failureModeOwnedBy	s3kl:FailureAnalysisItem	
4.11.3.3 TechnicalFailureMode	individual / group	s3kl:TechnicalFailureMode	s3kl:technicalFailureModeGroup	s3kl:LSAFailureMode	
4.11.3.7 FailureModeEffect	#no	s3kl:FailureModeEffect	s3kl:failureModeEffectOwnedBy	s3kl:FailureMode	
4.11.3.9 HigherFailureModeEffect	effectContextItem	s3kl:HigherFailureModeEffect	s3kl:effectContextItem	s3kl:BreakdownElementRevision	
4.11.3.11 DetectionMeanCapability	#no	s3kl:DetectionMeanCapability	s3kl:detectionMeanCapabilityOwnedBy	s3kl:DetectionMeanItem	
4.11.3.12 DetectionMeanAlarm	#no	s3kl:DetectionMeanAlarm	s3kl:detectionMeanAlarmOwnedBy	s3kl:DetectionMeanCapability	
4.11.3.13 FailureModeDetection	#THIS relating & related	s3kl:DetectionMeanAlarm	s3kl:failureModeDetection	s3kl:FailureMode	
#===== 4.12 UOF Special Events and Damage =====					
4.12.3.3 Damage	#no, element in composition	s3kl:Damage	s3kl:damageOwnedBy	s3kl:DamageAnalysisItem	

All Associations

4.12.3.4 PossibleSpecialEventEffect	#THIS relating & related	s3kl:SpecialEvent	s3kl:possibleSpecialEventEffect	s3kl:Damage	
4.12.3.6 SpecialEventOccurrence <<relationship>>	#occurrence class	s3kl:SpecialEventOccurrence	s3kl:specialEventOccurrenceOwnedBy	s3kl:SpecialEvent	
4.12.3.6 SpecialEventOccurrence <<relationship>>	#occurrence class	s3kl:SpecialEventOccurrence	s3kl:relatedProductUsagePhase	s3kl:ProductUsagePhase	
#===== 4.13 UOF LSA Candidate Task Requirement =====					
4.13.3.3 TaskRequirementRevision	#no, element in composition	s3kl:TaskRequirementRevision	s3kl:taskRequirementRevisionOwnedBy	s3kl:TaskRequirement	
4.13.3.4 TaskRequirementTarget <<relationship>>	#THIS subject / object	s3kl:TaskRequirement	s3kl:taskRequirementTarget	s3kl:LSACandidate	
4.13.3.6 TaskRequirementJustification <<relationship>>	#THIS relating & related	s3kl:TaskRequirementJustificationItem	s3kl:taskRequirementJustification	s3kl:TaskRequirementRevision	
4.13.3.8 ChangeRequestSource <<relationship>>	#THIS relating & related	s3kl:ChangeRequest	s3kl:changeRequestSource	s3kl:TaskRequirementRevision	
4.13.3.9 ChangeRequestTarget <<relationship>>	#THIS relating & related	s3kl:ChangeRequest	s3kl:changeRequestTarget	s3kl:LSACandidate	
4.13.3.10 FunctionalFailure	#no, element in composition	s3kl:FunctionalFailure	s3kl:functionalFailureOwnedBy	s3kl:BreakdownElementRevision	

All Associations

#===== 4.14 UOF Task =====					
4.14.3.5 TaskRevision	#no, element in composition	s3kl:TaskRevision	s3kl:taskRevisionOwnedBy	s3kl:Task	
4.14.3.6 TaskJustification <<relationship>>	#THIS relating & related	s3kl:TaskRevision	s3kl:taskJustification	s3kl:TaskRequirement	
4.14.3.7 DataModuleScope <<relationship>>	#THIS relating & related	s3kl:TaskRevision	s3kl:dataModuleScope	s3kl:S1000DataModuleIssue	
4.14.3.8 Subtask	#no, element in composition	s3kl:Subtask	s3kl:subtaskOwnedBy	s3kl:TaskRevision	
4.14.3.9 SubtaskTimeline	#THIS predecessor / successor	s3kl:Subtask	s3kl:subtaskTimeline	s3kl:Subtask	#PUNNING
4.14.3.11 TaskRevisionWarningCautionNote <<relationship>>	#THIS relating & related	s3kl:TaskRevision	s3kl:taskRevisionWarningCautionNote	s3kl:WarningCautionNote	
4.14.3.12 SubtaskWarningCautionNote <<relationship>>	#THIS relating & related	s3kl:Subtask	s3kl:subtaskWarningCautionNote	s3kl:WarningCautionNote	
4.14.3.14 TaskReference <<relationship>>	#THIS referencingSubtask / referencedTask	s3kl:SubtaskByTaskReference	s3kl:taskReference	s3kl:Task	
4.14.3.16 SubtaskInZone <<relationship>>	#THIS relating & related	s3kl:SubtaskByDefinition	s3kl:subtaskInZone	s3kl:ZoneElement	
4.14.3.17 SubtaskAcceptanceParameter <<attributeGroup>>	#no, element in composition	s3kl:SubtaskAcceptanceParameter	s3kl:subtaskAcceptanceParameterOwnedBy	s3kl:SubtaskByDefinition	
4.14.3.18 SubtaskTarget <<relationship>>	#THIS relating & related	s3kl:SubtaskByDefinition	s3kl:subtaskTarget	s3kl:LSAcandidate	

All Associations

4.14.3.19 SubtaskCircuitBreakerSettings	#no, element in composition	s3kl:SubtaskCircuitBreakerSettings	s3kl:subtaskCircuitBreakerSettingsOwnedBy	s3kl:SubtaskByDefinition	
4.14.3.20 SubtaskCircuitBreakerSettingsTimeline	#THIS predecessor / successor	s3kl:SubtaskCircuitBreakerSettings	s3kl:subtaskCircuitBreakerSettingsTimeline	s3kl:SubtaskCircuitBreakerSettings	
4.14.3.21 OrderedSubtaskCircuitBreakerSettings		s3kl:SubtaskCircuitBreakerSetting	s3kl:subtaskCircuitBreakerSettingOrder	s3kl:SubtaskCircuitBreakerSetting	
4.14.3.23 SubtaskCircuitBreakerSetting (singular) <<attributeGroup>>	#no, element in composition	s3kl:SubtaskCircuitBreakerSetting	s3kl:subtaskCircuitBreakerSettingOwnedBy	s3kl:SubtaskCircuitBreakerSettings	superclass of both owners
4.14.3.23 SubtaskCircuitBreakerSetting (singular) <<attributeGroup>>	#no	s3kl:SubtaskCircuitBreakerSetting	s3kl:subtaskCircuitBreakerSettingDefinition	s3kl:CircuitBreaker	
# ===== 4.15 UOF Task Resources =====					
4.15.3.2 TaskResource	#no, element in composition	s3kl:TaskResource	s3kl:taskResourceOwnedBy	s3kl:TaskResourceItem	
4.15.3.3 TaskResourceRelationship	#THIS relating & related	s3kl:TaskResource	s3kl:taskResourceRelationship	s3kl:TaskResource	
4.15.3.5 TaskMaterialResourceByReference	#no related / relating	s3kl:TaskMaterialResourceByReference	s3kl:taskMaterialResourceByReferenceDefinition	s3kl:TaskResourceByReferenceItem	
4.15.3.6 TaskMaterialResourceBySpecification	#no related / relating	s3kl:TaskMaterialResourceBySpecification	s3kl:taskMaterialResourceBySpecificationDefinition	s3kl:MaterialResourceSpecification	
4.15.3.8 ResourceRealization <<relationship>>	#THIS specification / realization	s3kl:ResourceSpecification	s3kl:resourceRealization	s3kl:HardwarePartAsDesigned	

All Associations

4.15.3.11 TaskFacilityResourceByReference	#no related / relating	s3kl:TaskFacilityResourceByReference	s3kl:taskFacilityResourceByReferenceDefinition	s3kl:TaskResourceByReferenceItem	
4.15.3.12 TaskFacilityResourceBySpecification	#no related / relating	s3kl:TaskFacilityResourceBySpecification	s3kl:taskFacilityResourceBySpecificationDefinition	s3kl:FacilityResourceSpecification	
4.15.3.19 SkillLevel	#no, element in composition	s3kl:SkillLevel	s3kl:skillLevelOwnedBy	s3kl:Trade	
4.15.3.20 TaskPersonnelResourceCompetence <<relationship>>	#THIS relating & related	s3kl:TaskPersonnelResource	s3kl:taskPersonnelResourceCompetence	s3kl:CompetenceDefinitionItem	
4.15.3.21 AdditionalTrainingRequirement <<attributeGroup>>	#no, element in composition	s3kl:AdditionalTrainingRequirement	s3kl:additionalTrainingRequirementOwnedBy	s3kl:TaskPersonnelResourceCompetence	#PUNNING
4.15.3.22 TaskDocumentResource	documentResource	s3kl:TaskDocumentResource	s3kl:taskDocumentResourceDefinition	s3kl:Document	
#===== 4.16 UOF Task Usage =====					
4.16.3.1 TaskTarget <<relationship>>	object	s3kl:TaskTarget	s3kl:taskTargetObject	s3kl:LSACandidate	
4.16.3.2 TaskFrequency	#no, element in composition	s3kl:TaskFrequency	s3kl:taskFrequencyOwnedBy	s3kl:TaskTarget	
4.16.3.4 PlannedTaskTarget <<relationship>>	subject	s3kl:PlannedTaskTarget	s3kl:plannedTaskTargetSubject	s3kl:PlannedTaskItem	
4.16.3.5 AllocatedMaintenanceLevel <<relationship>>	#THIS relating & related	s3kl:PlannedTaskTarget	s3kl:allocatedMaintenanceLevel	s3kl:AllocatedMaintenanceLevelItem	
4.16.3.7 TimeLimit	#no, element in composition	s3kl:TimeLimit	s3kl:timeLimitOwnedBy	s3kl:TimeLimitItem	
4.16.3.9 SamplingDefinition	#no, element in composition	s3kl:SamplingDefinition	s3kl:samplingDefinitionOwnedBy	s3kl:SamplingItem	

All Associations

4.16.3.15 InitialTimeLimit	initialThreshold	s3kl:InitialTimeLimit	s3kl:initialTimeLimitThreshold	s3kl:PeriodicTimeLimit	
4.16.3.16 RepeatTimeLimit	repeatThreshold	s3kl:RepeatTimeLimit	s3kl:repeatTimeLimitOwnedBy	s3kl:PeriodicTimeLimit	
4.16.3.17 SubsequentRepeatR elationship <<relationship>>	#THIS preceding / succesding	s3kl:RepeatTimeLimit	s3kl:subsequentRepeatRelatio nship	s3kl:RepeatTimeLimit	
4.16.3.18 ThresholdDefinition		s3kl:ThresholdDefinition	s3kl:thresholdDefinitionOwned By	s3kl:ThresholdDefinitionOw ner	
			s3kl:thresholdDefinitionOwned By_threshold		
			s3kl:thresholdDefinitionOwned By_trigger		
4.16.3.21 FailureModeThreshol dDefinition	event	s3kl:FailureModeThresholdDefi nition	s3kl:failureModeThresholdDefin itionEvent	s3kl:FailureMode	
4.16.3.22 SpecialEventThresh oldDefinition	event	s3kl:SpecialEventThresholdDe finition	s3kl:eventThresholdDefinitionE vent	s3kl:SpecialEvent	
4.16.3.23 TaskThresholdDefinit ion	event	s3kl:TaskThresholdDefinition	s3kl:taskThresholdDefinitionEv ent	s3kl:Task	
#===== 4.17 UOF Task Usage (part 2) =====					
4.17.4.3.1 SupportingTaskTarg et <<relationship>>	subject	s3kl:SupportingTaskTarget	s3kl:supportingTaskTargetSubj ect	s3kl:SupportingTask	
#===== 4.18 UOF Security Classification =====					

All Associations

4.18.3.3 SecurityClassification <<relationship>>	#THIS relating & related	s3kl:SecurityClassificationItem	s3kl:securityClassification	s3kl:SecurityClass	
#===== 4.19 UOF Organization Assignment =====					
4.19.3.2 OrganizationAssignment <<relationship>>	#THIS subject / object	s3kl:OrganizationAssignmentItem	s3kl:organizationAssignment	s3kl:Organization	
#===== 4.20 UOF Document =====					
4.20.3.2 DocumentIssue	#no, subclasses element in composition	s3kl:DocumentIssue	s3kl:documentIssueOwnedBy	s3kl:Document	
4.20.3.4 S1000DDataModuleIssue	#no, element in composition	s3kl:S1000DDataModuleIssue	s3kl:documentIssueOwnedBy	s3kl:S1000DDataModule	
4.20.3.6 S1000DPublicationModuleIssue	#no, element in composition	s3kl:S1000DPublicationModuleIssue	s3kl:documentIssueOwnedBy	s3kl:S1000DPublicationModule	
4.20.3.8 ExternalDocumentIssue	#no, element in composition	s3kl:ExternalDocumentIssue	s3kl:documentIssueOwnedBy	s3kl:ExternalDocument	
4.20.3.11 DocumentAssignment <<relationship>>	#THIS subject / object	s3kl:DocumentAssignmentItem	s3kl:documentAssignment	s3kl:DocumentItem	
#===== 4.21 UOF Remark =====					
4.21.3.3 RemarkAssignment <<relationship>>	#THIS subject / object	s3kl:RemarkAssignmentItem	s3kl:remarkAssignment	s3kl:Remark	

All Associations

#===== 4.22 UOF ApplicabilityStatement =====					
4.22.3.2 ConditionTypeValue	#no, element in composition	s3kl:ConditionTypeValue	s3kl:conditionTypeValueOwnedBy	s3kl:ConditionType	
4.22.3.6 ConditionInstance	#no, element in composition	s3kl:ConditionInstance	s3kl:conditionInstanceOwnedBy	s3kl:ConditionType	
4.22.3.9 ApplicabilityAssignment <<relationship>>	#THIS relating & related	s3kl:ApplicabilityAssignmentItem	s3kl:applicabilityAssignment	s3kl:ApplicabilityStatement	
4.22.3.11 ApplicabilityEvaluation	#no, element in composition	s3kl:ApplicabilityEvaluation	s3kl:applicabilityEvaluationOwnedBy	s3kl:ApplicabilityStatement s3kl:AND s3kl:OR s3kl:NOT	
4.22.3.13 LogicalOperator	#no, element in composition	s3kl:LogicalOperator	s3kl:logicalOperatorOwner	s3kl:ApplicabilityEvaluation ByLogicalOperator	
4.22.3.17 ApplicabilityEvaluationByApplicabilityStatementReference	includedApplicabilityStatement	s3kl:ApplicabilityEvaluationByApplicabilityStatementReference	s3kl:includedApplicabilityStatement	s3kl:ApplicabilityStatement	
4.22.3.20 ConditionStatement <<relationship>>	#no, element in composition	s3kl:ConditionStatement	s3kl:conditionStatementOwner	s3kl:ApplicabilityEvaluation ByAssertionOfCondition	
4.22.3.20 ConditionStatement <<relationship>>	assertCondition	s3kl:ConditionStatement	s3kl:assertCondition	s3kl:ConditionDefinitionItem	
4.22.3.20 ConditionStatement <<relationship>>	assertValue	s3kl:ConditionStatement	s3kl:assertValue	s3kl:ConditionTypeValue	
4.22.3.21 ApplicabilityEvaluationByAssertionOfClassInstance	assertItem	s3kl:ApplicabilityEvaluationByAssertionOfClassInstance	s3kl:assertItem	s3kl:ApplicabilityAssertItem	

All Associations

4.22.3.24 BlockOfSerilaizedItems	#no, element in composition (0 or 1)	s3kl:BlockOfSerilaizedItems	s3kl:blockOfSerilaizedItemsOwner	s3kl:ApplicabilityEvaluationByAssertionOfSerializedItems	
4.22.3.24 BlockOfSerilaizedItems	serializedItem	s3kl:BlockOfSerilaizedItems	s3kl:serializedItem	s3kl:SerializedItem	