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1. Business Domain View

1.1. Introduction

Message Definition

This document defines components that are determined to be foundational to the eCom domain within GS1.

eCom components are used to enforce consistency across eCom messages and include:

- Transactional trade item details
- Transactional party details
- Logistic unit details
- Transport related information such as transport equipment, transport means.
- Financial information such as payment terms, financial accounts.

eCom components will be contained in a separate package and will be carefully managed to ensure that any changes that are made to any component do not have a negative impact across GS1 eCom messages.

1.2. References

Reference Name	Description
[BRAD_RQ] BRAD Requirements Queue	GS1, 2011
[BRAD_TM] BRAD Transport Management	GS1, 2011
[BMS_SHARED] BMS Shared Common release 3.2	GS1, 2014
[BRAD_WIO] BRAD Warehousing Inbound and Outbound Processes	GS1, 2012

2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	All
System Capabilities	All
Official Constraints	None

3. Business Transaction View

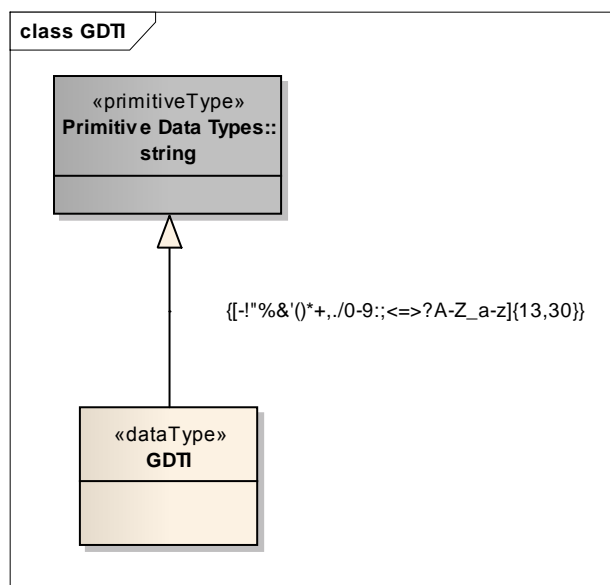
Not Applicable

4. Business Information View

4.1. Business Data Types

4.1.1. GDTI

Class Diagram



GDD Report

The content of the GDTI class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bdtList.aspx?semanticURN=urn:gs1:gdd:bdt:GDTI

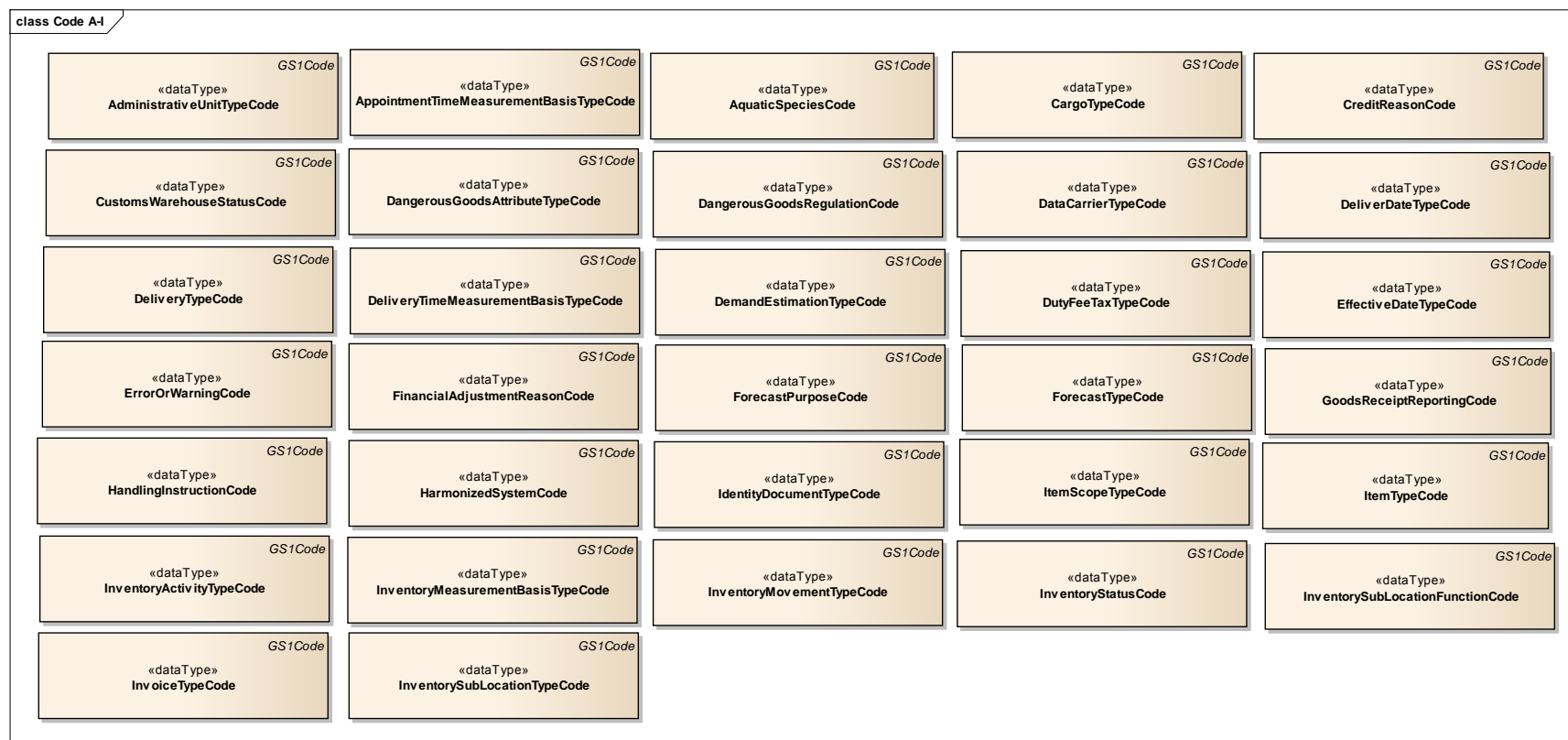
Key	Pattern	Description
GDTI	[{"!"%&'()*+,-/0-9;:<=>?A-Z_a-z}{13,30}]	Minimum 13, Maximum 30 alphanumeric characters restricted to A-Z (uppercase), a-z (lowercase), 0-9, and the special characters listed (e.g. %, &, etc..) ^{Note 1}

4.1.2. Codes

Class Diagram



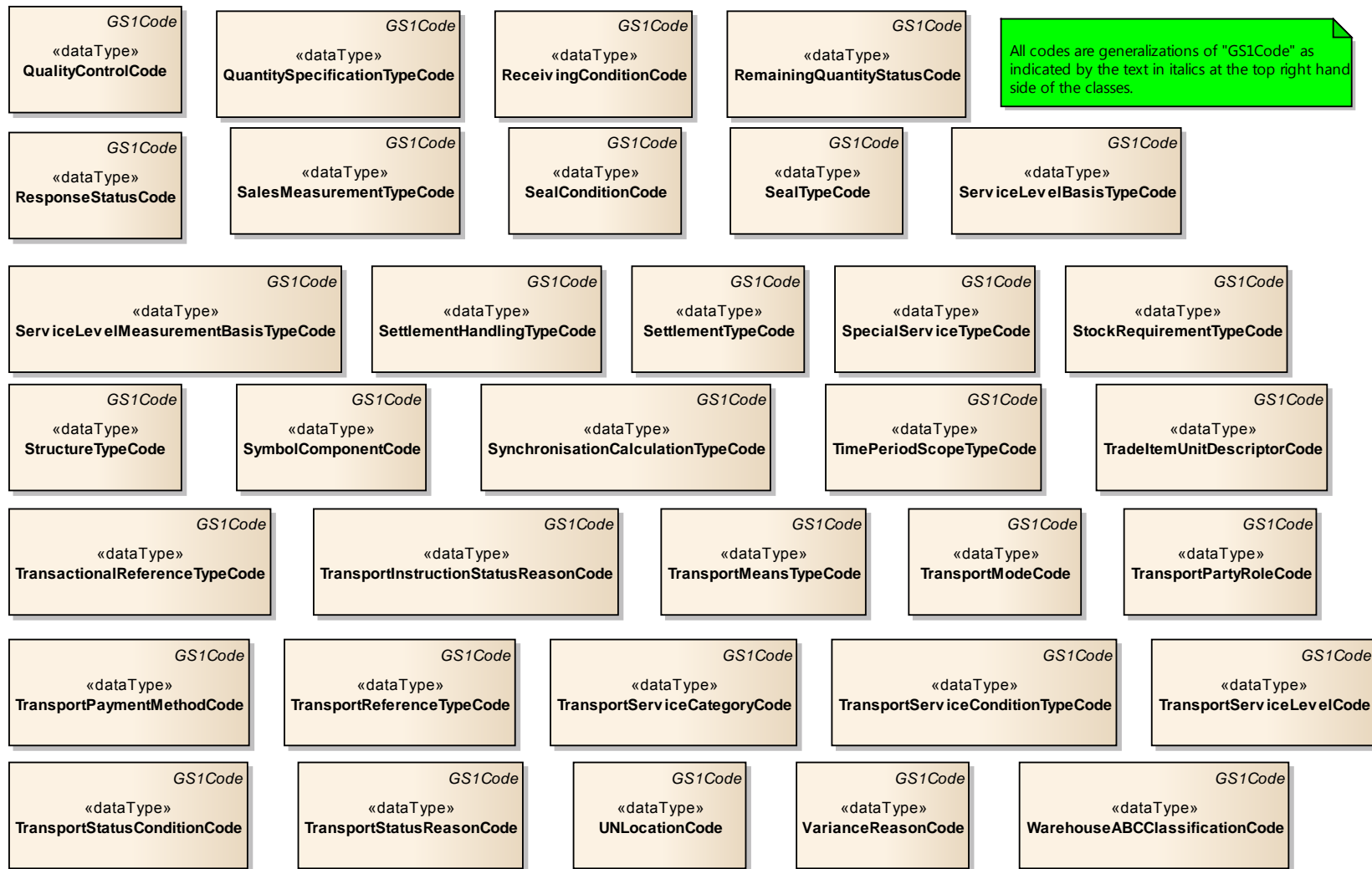
Note: Please note that all codes in the diagrams below are generalizations of “GS1Code” as indicated by the text in italics at the top right hand side of the classes.



class Code J-P

GS1Code «dataType» LegalRegistrationCode	GS1Code «dataType» LineItemActionCode	GS1Code «dataType» LocationScopeParameterTypeCode	GS1Code «dataType» LocationScopeTypeCode	GS1Code «dataType» LogisticEventTypeCode
GS1Code «dataType» LogisticServiceReferenceTypeCode	GS1Code «dataType» LogisticServiceRequirementCode	GS1Code «dataType» MarginSchemeCode	GS1Code «dataType» MaterialTypeCode	GS1Code «dataType» MeasurementTypeCode
GS1Code «dataType» ObservationTypeCode	GS1Code «dataType» OrderInstructionCode	GS1Code «dataType» OrderTypeCode	GS1Code «dataType» OutOfStockMeasurementTypeCode	GS1Code «dataType» PackageLevelCode
GS1Code «dataType» PackageTypeCode	GS1Code «dataType» PackagingConditionCode	GS1Code «dataType» PackagingMarkingTypeCode	GS1Code «dataType» PassengerCategoryCode	GS1Code «dataType» PaymentFormatCode
GS1Code «dataType» PaymentTermsEventCode	GS1Code «dataType» PerformanceMeasureTypeCode	GS1Code «dataType» PeriodicityTypeCode	GS1Code «dataType» PlanBucketSizeCode	GS1Code «dataType» PlanCommitmentLevelCode
GS1Code «dataType» PrintingInstructionCode	GS1Code «dataType» PurchaseConditionsCommitmentTypeCode			

class Code Q-Z



GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
AdministrativeUnitTypeCode					Code specifying an administrative unit type. Allowed code values are specified in GS1 Code List AdministrativeUnitTypeCode .	
Generalization		GS1Code				
AppointmentTimeMeasurementBasisTypeCode					Code specifying an appointment time measurement basis type. Allowed code values are specified in GS1 Code List AppointmentTimeMeasurementBasisTypeCode .	
Generalization		GS1Code				
CargoTypeCode					Code specifying a cargo type. Allowed code values are specified in GS1 Code List CargoTypeCode .	
Generalization		GS1Code				
CreditReasonCode					Code specifying a credit reason. Allowed code values are specified in GS1 Code List CreditReasonCode .	
Generalization		GS1Code				
CustomsWarehouseStatusCode					Code specifying a customs warehouse status. Allowed code values are specified in GS1 Code List CustomsWarehouseStatusCode .	
Generalization		GS1Code				
DangerousGoodsAttributeTypeCode					Code specifying a dangerous goods attribute type. Allowed code values are specified in GS1 Code List DangerousGoodsAttributeTypeCode .	
Generalization		GS1Code				
DangerousGoodsRegulationCode					Code specifying a dangerous goods regulation. Allowed code values are specified in GS1 Code List DangerousGoodsRegulationCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DataCarrierTypeCode					Code specifying a data carrier type. Allowed code values are specified in GS1 Code List DataCarrierTypeCode .	
Generalization		GS1Code				
DeliverDateTypeCode					Code specifying a deliver date type. Allowed code values are specified in GS1 Code List DeliverDateTypeCode .	
Generalization		GS1Code				
DeliveryTimeMeasurementBasisTypeCode					Code specifying a delivery time measurement basis type. Allowed code values are specified in GS1 Code List DeliveryTimeMeasurementBasisTypeCode .	
Generalization		GS1Code				
DeliveryTypeCode					Code specifying a delivery type. Allowed code values are specified in GS1 Code List DeliveryTypeCode .	
Generalization		GS1Code				
DemandEstimationTypeCode					Code specifying a demand estimation type. Allowed code values are specified in GS1 Code List DemandEstimationTypeCode .	
Generalization		GS1Code				
DutyFeeTaxTypeCode					Code specifying a type of duty, fee or tax. Allowed code values are specified in GS1 Code List DutyFeeTaxTypeCode .	
Generalization		GS1Code				
EffectiveDateTypeCode					Code specifying an effective date type. Allowed code values are specified in GS1 Code List EffectiveDateTypeCode .	
Generalization		GS1Code				
ErrorOrWarningCode					Code specifying an error or warning. Allowed code values are specified in GS1 Code List ErrorOrWarningCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Facets	Definition	Requirements
FinancialAdjustmentReasonCode					Code specifying a financial adjustment reason. Allowed code values are specified in GS1 Code List DataSourceCode .	
Generalization		GS1Code				
ForecastPurposeCode					Code specifying a forecast purpose. Allowed code values are specified in GS1 Code List ForecastPurposeCode .	
Generalization		GS1Code				
ForecastTypeCode					Code specifying a forecast type. Allowed code values are specified in GS1 Code List ForecastTypeCode .	
Generalization		GS1Code				
GoodsReceiptReportingCode					Code specifying a type of goods receipt reporting. Allowed code values are specified in GS1 Code List GoodsReceiptReportingCode .	
Generalization		GS1Code				
HandlingInstructionCode					Code specifying a handling instruction. Allowed code values are specified in GS1 Code List HandlingInstructionCode .	
Generalization		GS1Code				
HarmonizedSystemCode					Code specifying a commodity type. Allowed code values are specified by the World Customs Organization (WCO) in their HS Nomenclature.	
Generalization		GS1Code				
IdentityDocumentTypeCode					Code specifying an identity document type. Allowed code values are specified in GS1 Code List IdentityDocumentTypeCode .	
Generalization		GS1Code				
InventoryActivityTypeCode					Code specifying an inventory activity type. Allowed code values are specified in GS1 Code List InventoryActivityTypeCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InventoryMeasurementBasisTypeCode					Code specifying an inventory measurement basis type. Allowed code values are specified in GS1 Code List InventoryMeasurementBasisTypeCode .	
Generalization		GS1Code				
InventoryMovementTypeCode					Code specifying an inventory movement type. Allowed code values are specified in GS1 Code List InventoryMovementTypeCode .	
Generalization		GS1Code				
InventoryStatusCode					Code specifying an inventory status. Allowed code values are specified in GS1 Code List InventoryStatusCode .	
Generalization		GS1Code				
InventorySubLocationFunctionCode					Code specifying an inventory sub-location function. Allowed code values are specified in GS1 Code List InventorySubLocationFunctionCode .	
Generalization		GS1Code				
InventorySubLocationTypeCode					Code specifying an inventory sub-location type. Allowed code values are specified in GS1 Code List InventorySubLocationTypeCode .	
Generalization		GS1Code				
InvoiceTypeCode					Code specifying an invoice type. Allowed code values are specified in GS1 Code List InvoiceTypeCode .	
Generalization		GS1Code				
ItemScopeTypeCode					Code specifying an item scope type. Allowed code values are specified in GS1 Code List ItemScopeTypeCode .	
Generalization		GS1Code				
ItemTypeCode					Code describing the trade item type. Allowed code values are specified in GS1 Code List ItemTypeCode .	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Generalization		GS1Code				
LegalRegistrationCode					Code specifying a type of legal registration. Allowed code values are specified in GS1 Code List LegalRegistrationCode .	
Generalization		GS1Code				
LineItemActionCode					Code specifying a line item action. Allowed code values are specified in GS1 Code List LineItemActionCode .	
Generalization		GS1Code				
LocationScopeParameterTypeCode					Code specifying a location scope parameter type. Allowed code values are specified in GS1 Code List LocationParameterScopeTypeCode .	
Generalization		GS1Code				
LocationScopeTypeCode					Code specifying a location scope type. Allowed code values are specified in GS1 Code List LocationScopeTypeCode .	
Generalization		GS1Code				
LogisticEventTypeCode					Code specifying a logistic event type. Allowed code values are specified in GS1 Code List LogisticEventTypeCode .	
Generalization		GS1Code				
LogisticServiceReferenceTypeCode					List of GS1 messages related to logistic services. Allowed code values are specified in GS1 Code List LogisticServiceReferenceTypeCode .	
Generalization		GS1Code				
LogisticServiceRequirementCode					Code specifying a logistic service requirement. Allowed code values are specified in GS1 Code List LogisticServiceRequirementCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
MarginSchemeCode					Code specifying a duty or tax or fee category. Code list based on UN/ECE 5305. GS1 Extended. Allowed code values are specified in GS1 Code List MarginSchemeCode .	
Generalization		GS1Code				
MaterialTypeCode					Code specifying a type of material. Allowed code values are specified in GS1 Code List MaterialTypeCode .	
Generalization		GS1Code				
MeasurementTypeCode					Code specifying a type of measurement. Allowed code values are specified in GS1 Code List MeasurementTypeCode .	
Generalization		GS1Code				
ObservationTypeCode					Code specifying an observation type. Allowed code values are specified in GS1 Code List ObservationTypeCode .	
Generalization		GS1Code				
OrderInstructionCode					Code specifying an order instruction. Allowed code values are specified in GS1 Code List OrderInstructionCode .	
Generalization		GS1Code				
OrderTypeCode					Code specifying an order type. Allowed code values are specified in GS1 Code List OrderTypeCode .	
Generalization		GS1Code				
OutOfStockMeasurementTypeCode					Code specifying an out of stock measurement type. Allowed code values are specified in GS1 Code List OutOfStockMeasurementTypeCode .	
Generalization		GS1Code				
PackageLevelCode					Code specifying a package level. Allowed code values are specified in GS1 Code List PackageLevelCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PackageTypeCode					Code specifying a package type. Allowed code values are specified in UN/ECE Recommendation 21.	
Generalization		GS1Code				
PackagingConditionCode					Code specifying a packaging quality condition. Allowed code values are specified in GS1 Code List PackagingConditionCode .	
Generalization		GS1Code				
PackagingMarkingTypeCode					Code specifying an packaging marking type. Allowed code values are specified in GS1 Code List PackagingMarkingTypeCode .	
Generalization		GS1Code				
PassengerCategoryCode					Code specifying the role, function or other main characteristic categorizing the type of passenger. Allowed code values are specified in GS1 Code List PassengerCategoryCode .	
Generalization		GS1Code				
PaymentFormatCode					Code specifying a payment format. Allowed code values are specified in GS1 Code List PaymentFormatCode .	
Generalization		GS1Code				
PaymentTermsEventCode					Code specifying a payment terms event. Allowed code values are specified in GS1 Code List PaymentTermsEventCode .	
Generalization		GS1Code				
PerformanceMeasureTypeCode					Code specifying a performance measure type. Allowed code values are specified in GS1 Code List PerformanceMeasureTypeCode .	
Generalization		GS1Code				
PeriodicityTypeCode					Code specifying a periodicity type. Allowed code values are specified in GS1 Code List PeriodicityTypeCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PlanBucketSizeCode					Code specifying a plan bucket size. Allowed code values are specified in GS1 Code List PlanBucketSizeCode .	
Generalization		GS1Code				
PlanCommitmentLevelCode					Code specifying a plan commitment level. Allowed code values are specified in GS1 Code List PlanCommitmentLevelCode .	
Generalization		GS1Code				
PrintingInstructionCode					Code specifying a printing instruction. Allowed code values are specified in GS1 Code List PrintingInstructionCode .	
Generalization		GS1Code				
PurchaseConditionsCommitmentTypeCode					Code specifying a purchase conditions commitment type. Allowed code values are specified in GS1 Code List PurchaseConditionsCommitmentTypeCode .	
Generalization		GS1Code				
QualityControlCode					Code specifying a type of required quality control. Allowed code values are specified in GS1 Code List QualityControlCode .	
Generalization		GS1Code				
QuantitySpecificationTypeCode					Code specifying a quantity type. Allowed code values are specified in GS1 Code List QuantitySpecificationTypeCode .	
Generalization		GS1Code				
ReceivingConditionCode					Code specifying a receiving condition. Allowed code values are specified in GS1 Code List ReceivingConditionCode .	
Generalization		GS1Code				
RemainingQuantityStatusCode					Code specifying a remaining quantity status. Allowed code values are specified in GS1 Code List RemainingQuantityStatusCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Facets	Definition	Requirements
ResponseStatusCode					Code specifying a response status. Allowed code values are specified in GS1 Code List ResponseStatusCode .	
Generalization		GS1Code				
SalesMeasurementTypeCode					Code specifying a sales measurement type code. Allowed code values are specified in GS1 Code List SalesMeasurementTypeCode .	
Generalization		GS1Code				
SealConditionCode					Code specifying a seal condition. Allowed code values are specified in GS1 Code List SealConditionCode .	
Generalization		GS1Code				
SealTypeCode					Code specifying a seal type. Allowed code values are specified in GS1 Code List SealTypeCode .	
Generalization		GS1Code				
ServiceLevelBasisTypeCode					Code specifying a service level basis type. Allowed code values are specified in GS1 Code List ServiceLevelBasisTypeCode .	
Generalization		GS1Code				
ServiceLevelMeasurementBasisTypeCode					Code specifying a service level measurement basis type. Allowed code values are specified in GS1 Code List ServiceLevelMeasurementBasisTypeCode .	
Generalization		GS1Code				
SettlementHandlingTypeCode					Code specifying a settlement handling type. Allowed code values are specified in GS1 Code List SettlementHandlingTypeCode .	
Generalization		GS1Code				
SettlementTypeCode					Code specifying a settlement type. Allowed code values are specified in GS1 Code List SettlementTypeCode .	
Generalization		GS1Code				

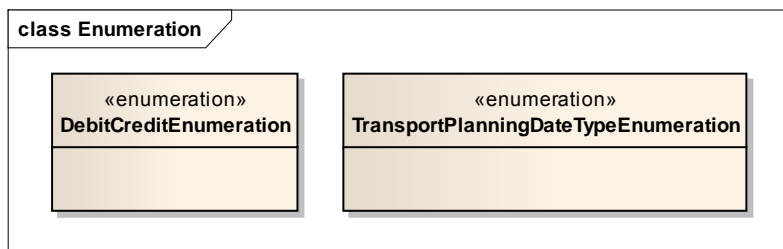
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
SpecialServiceTypeCode					Code specifying a special service. Allowed code values are specified in GS1 Code List SpecialServiceTypeCode .	
Generalization		GS1Code				
StockRequirementTypeCode					Code specifying a stock requirement type. Allowed code values are specified in GS1 Code List StockRequirementTypeCode .	
Generalization		GS1Code				
StructureTypeCode					Code specifying a structure type. Allowed code values are specified in GS1 Code List StructureTypeCode .	
Generalization		GS1Code				
SymbolComponentCode					Code specifying a symbol component. Allowed code values are specified in GS1 Code List SymbolComponentCode .	
Generalization		GS1Code				
SynchronisationCalculationTypeCode					Code specifying a synchronisation calculation type. Allowed code values are specified in GS1 Code List SynchronisationCalculationTypeCode .	
Generalization		GS1Code				
TimePeriodScopeTypeCode					Code specifying a time period scope type. Allowed code values are specified in GS1 Code List TimePeriodScopeTypeCode .	
Generalization		GS1Code				
TradeItemUnitDescriptorCode					Code specifying a trade item unit. Allowed code values are specified in GS1 Code List TradeItemUnitDescriptorCode .	
Generalization		GS1Code				
TransactionalReferenceTypeCode					Code specifying a transactional reference type. Allowed code values are specified in GS1 Code List TransactionalReferenceTypeCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportInstructionStatusReasonCode					Code specifying a transport instruction status reason. Allowed code values are specified in GS1 Code List TransportInstructionStatusReasonCode .	
Generalization		GS1Code				
TransportMeansTypeCode					Code specifying a transport means type. Allowed code values are specified in GS1 Code List TransportMeansTypeCode .	
Generalization		GS1Code				
TransportModeCode					Code specifying a transport mode. Allowed code values are specified in GS1 Code List TransportModeCode .	
Generalization		GS1Code				
TransportPartyRoleCode					Code specifying a transport party role. Allowed code values are specified in GS1 Code List TransportPartyRoleCode .	
Generalization		GS1Code				
TransportPaymentMethodCode					Code specifying a transport payment method. Allowed code values are specified in GS1 Code List TransportPaymentMethodCode .	
Generalization		GS1Code				
TransportReferenceTypeCode					Code specifying a transport reference type. Allowed code values are specified in GS1 Code List TransportReferenceTypeCode .	
Generalization		GS1Code				
TransportServiceCategoryCode					Code specifying a transport service category. Allowed code values are specified in GS1 Code List TransportServiceCategoryCode .	
Generalization		GS1Code				
TransportServiceConditionTypeCode					Code specifying a transport service condition. Allowed code values are specified in GS1 Code List TransportServiceConditionCode .	
Generalization		GS1Code				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportServiceLevelCode					Code specifying a transport service level. Allowed code values are specified in GS1 Code List TransportServiceLevelCode .	
Generalization		GS1Code				
TransportStatusConditionCode					Code specifying a transport status condition. Allowed code values are specified in GS1 Code List TransportStatusConditionCode .	
Generalization		GS1Code				
TransportStatusReasonCode					Code specifying a transport status reason. Allowed code values are specified in GS1 Code List TransportStatusReasonCode .	
Generalization		GS1Code				
UNLocationCode					Code specifying a location used in trade or transport. Allowed code values are specified in the United Nations Code for Trade and Transport Locations (UN/LOCODE).	
Generalization		GS1Code				
VarianceReasonCode					Code specifying a variance reason. Allowed code values are specified in GS1 Code List VarianceReasonCode .	
Generalization		GS1Code				
WarehouseABCClassificationCode					Code specifying a Warehouse Classification category. Allowed code values are specified in GS1 Code List WarehouseABCClassificationCode .	
Generalization		GS1Code				

4.1.3. Enumerations

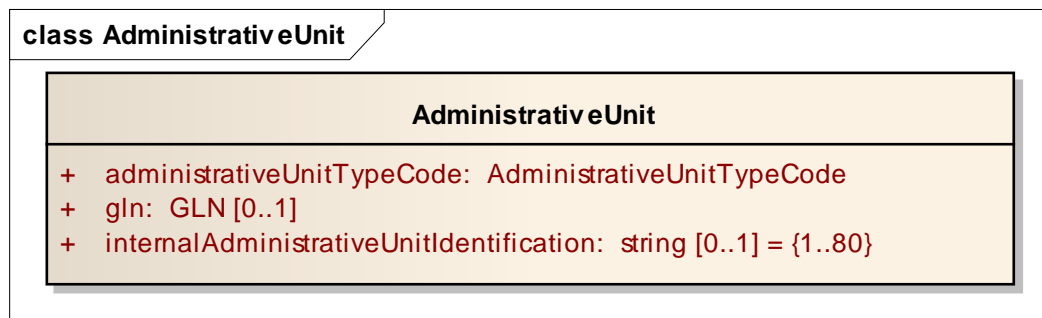
Class Diagram



4.2. Components

4.2.1. Administrative Unit

Class Diagram



GDD Report

The content of the: AdministrativeUnit class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:AdministrativeUnit

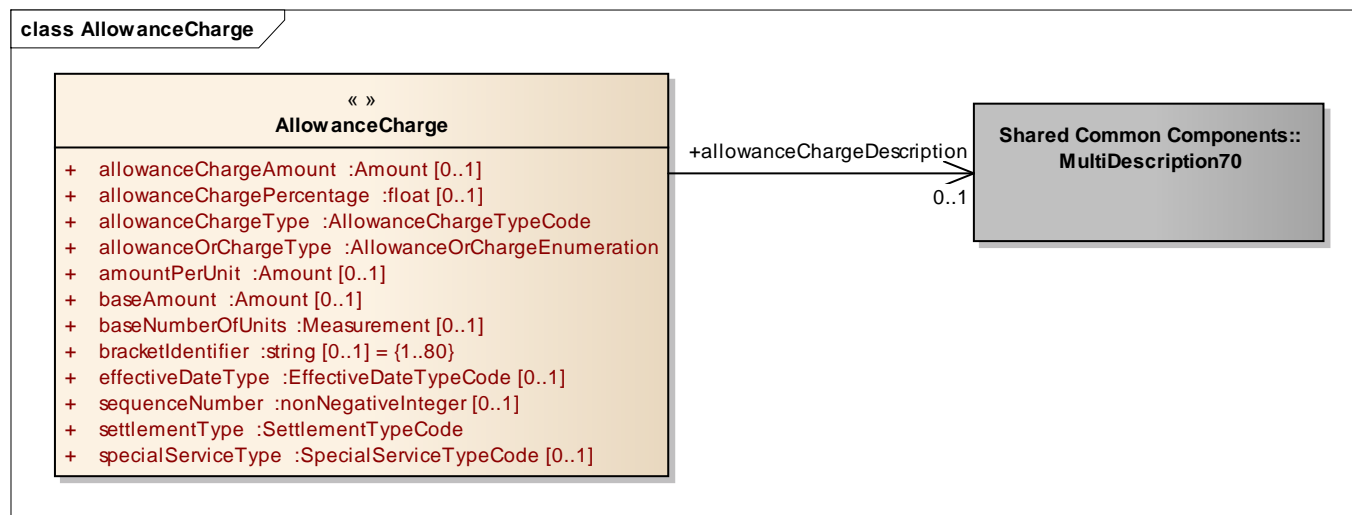
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
AdministrativeUnit					An organizational grouping used for internal planning, control and accounting purposes.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	administrativeUnitTypeCode	AdministrativeUnitTypeCode	1..1		Code specifying the type of this administrative unit.	
Attribute	gln	GLN	0..1		The Global Location Number (GLN) identifying this administrative unit.	
Attribute	internalAdministrativeUnitIdentification	string	0..1		Internal identifier of this administrative unit.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
AdministrativeUnit					An organizational grouping used for internal planning, control and accounting purposes.	
Attribute	administrativeUnitTypeCode	AdministrativeUnitTypeCode	1..1		Code specifying the type of this administrative unit.	
Attribute	gln	GLN	0..1		The Global Location Number (GLN) identifying this administrative unit.	
Attribute	internalAdministrativeUnitIdentification	string	0..1		Internal identifier of this administrative unit.	

4.2.2. Allowance Charge

Class Diagram



GDD Report

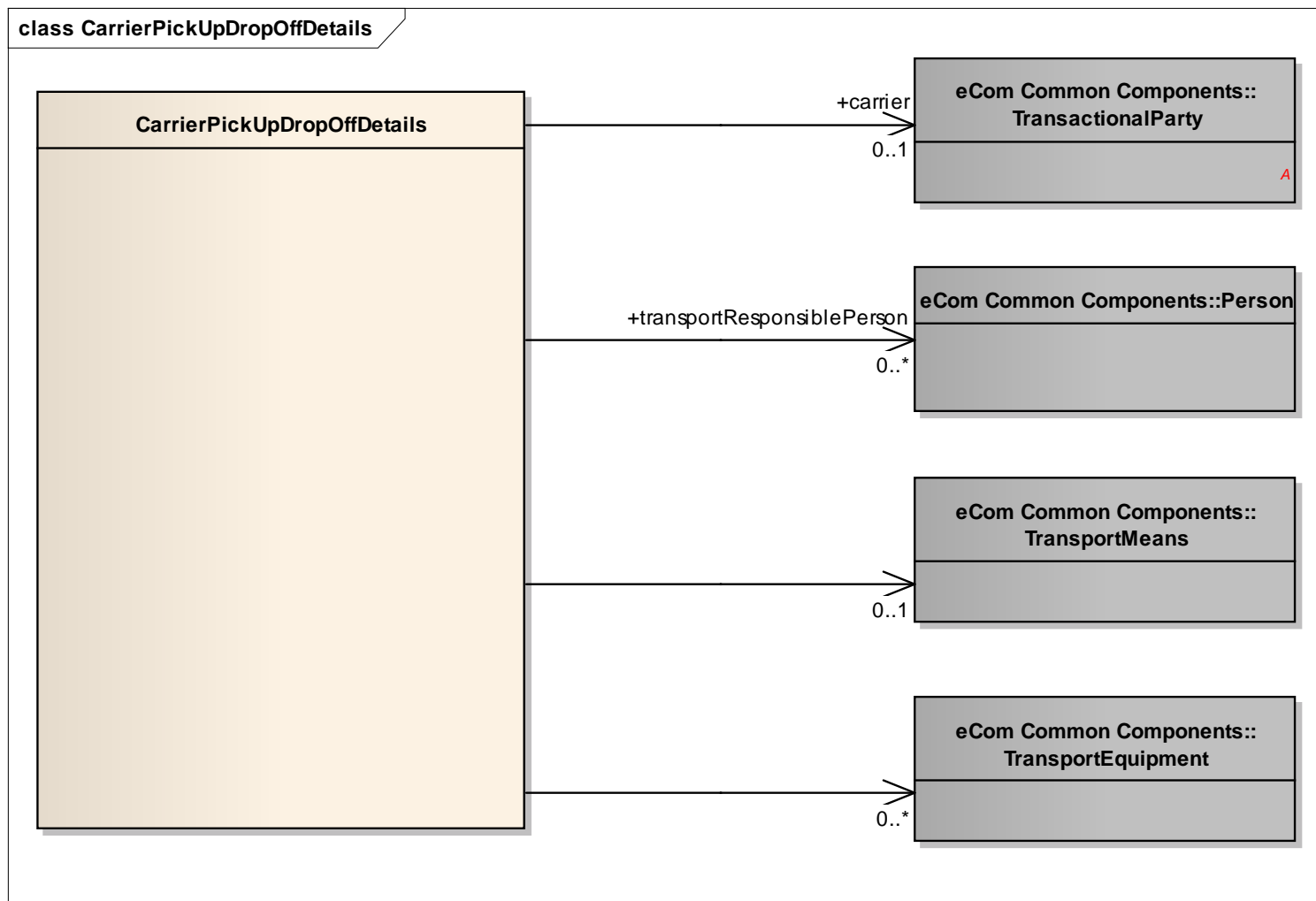
The content of the: AllowanceCharge class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:AllowanceCharge

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
AllowanceCharge					Specifies allowances and charges specified to either the entire message or to individual line items contained in the message.	
Association	allowanceChargeDescription	MultiDescription70	0..1		A text explanation of the allowance or charge.	
Attribute	allowanceChargeAmount	Amount	0..1		Amount of allowance or charge applicable.	
Attribute	allowanceChargePercentage	float	0..1		Allowance and charges can be expressed in different ways. By using percentage, they are expressed as a percentage of another amount, e.g. the base amount.	
Attribute	allowanceChargeType	AllowanceChargeTypeCode	1..1		The identification of an allowance charge selected from a predefined list.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	allowanceOrChargeType	AllowanceOrChargeEnumeration	1..1		Code specifying whether this is an allowance or a charge.	
Attribute	amountPerUnit	Amount	0..1		Allowance/charge per unit expressed as an amount.	
Attribute	baseAmount	Amount	0..1		The amount on which the calculation of the allowance or charge is based.	
Attribute	baseNumberOfUnits	Measurement	0..1		Number of units on which the allowance or charge is based.	
Attribute	bracketIdentifier	string	0..1		Identification of the conditions that apply to the allowance or charge.	
Attribute	effectiveDateType	EffectiveDateTypeCode	0..1		Code specifying the type of date that effectuates the allowance or charge.	
Attribute	sequenceNumber	nonNegativeInteger	0..1		A number used to indicate the order in which the allowances or charges are to be calculated.	
Attribute	settlementType	SettlementTypeCode	1..1		Code specifying the type of settlement for the allowance or charge.	
Attribute	specialServiceType	SpecialServiceTypeCode	0..1		Code specifying a special service	

4.2.3. Carrier Pick Up Drop Off Details

Class Diagram



GDD Report

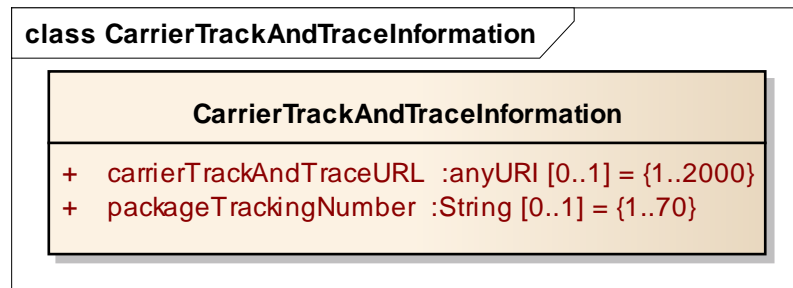
The content of the: CarrierPickUpDropOffDetails class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:CarrierPickUpDropOffDetails

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
CarrierPickUpDropOffDetails					Information on the logistic service provider, the personnel, and the transport means and equipment that will be used to collect or deliver goods.	
Association	carrier	TransactionalParty	0..1		The party that will collect, transport and deliver the goods.	
Association		TransportMeans	0..1		Details on the transport means used for the transport.	
Association		TransportEquipment	0..*		Details on the transport equipment used for the transport.	
Association	transportResponsiblePerson	Person	0..*		The person responsible for the execution of this pick-up or drop-off, for example the driver.	

4.2.4. Carrier Track And Trace Information

Class Diagram



GDD Report

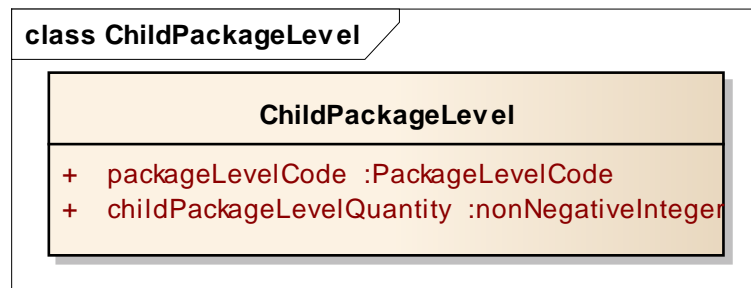
The content of the: CarrierTrackAndTraceInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:CarrierTrackAndTraceInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
CarrierTrackAndTraceInformation					Tracking and tracing information about the package, provided by the carrier.	
Attribute	carrierTrackAndTraceURL	anyURI	0..1		A URL where the carrier provides the tracking and tracing information about the package	
Attribute	packageTrackingNumber	String	0..1		A unique package tracking number assigned by the carrier	

4.2.5. Child Package Level

Class Diagram



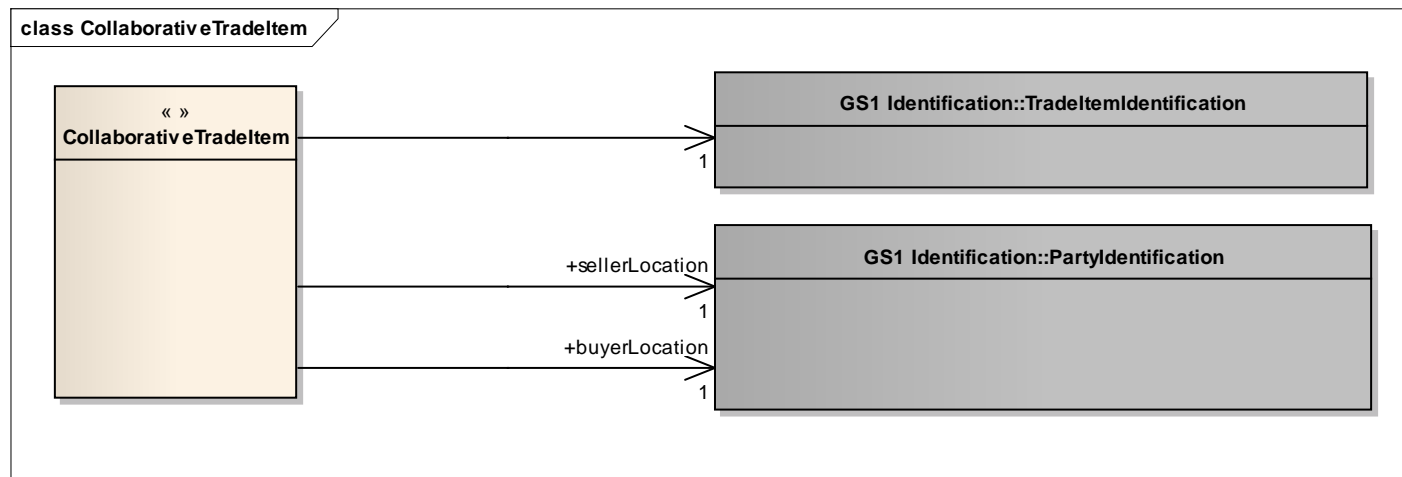
GDD Report

The content of the: ChildPackageLevel class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ChildPackageLevel

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
ChildPackageLevel					Information about the hierarchical level and quantity of packaging.	
Attribute	packageLevelCode	PackageLevelCode	1..1		Code specifying the hierarchical level of packaging	
Attribute	childPackageLevelQuantity	nonNegativeInteger	1..1		The number of unique trade items of the level specified in the package level code contained in this trade item	

4.2.6. Collaborative Trade Item

Class Diagram



GDD Report

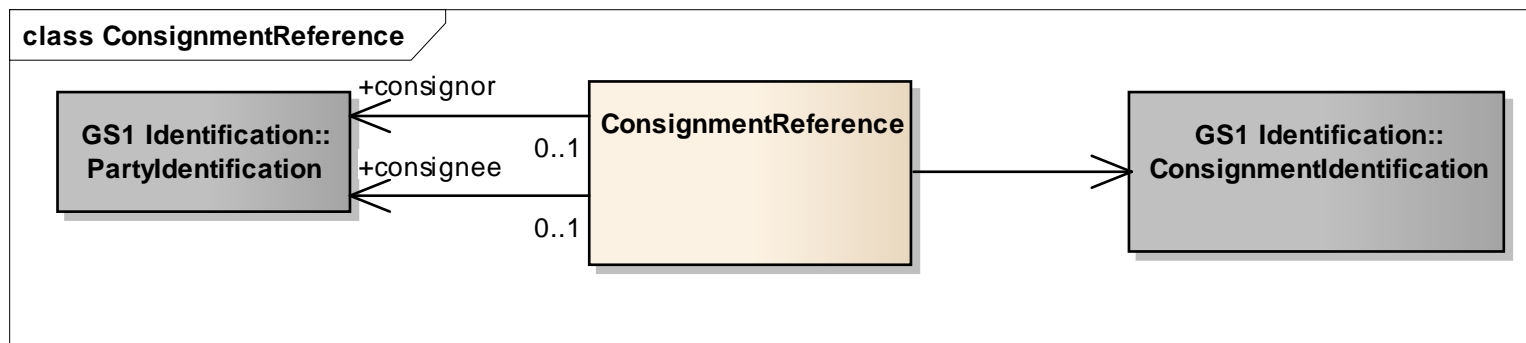
The content of the: CollaborativeTradeItem class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:CollaborativeTradeItem

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
CollaborativeTradeItem					Collaborative Trade Item identifies the product with the buyer and seller locations.	
Association		TradeItemIdentification	1		Provides the GTIN as the unique identifier for the item and optionally additional formats of non GTIN identifiers for the item.	
Association	buyerLocation	PartyIdentification	1		The identification of the buyer location for this collaborative trade item.	
Association	sellerLocation	PartyIdentification	1		The identification of the seller location for this collaborative trade item.	

4.2.7. Consignment Reference

Class Diagram



GDD Report

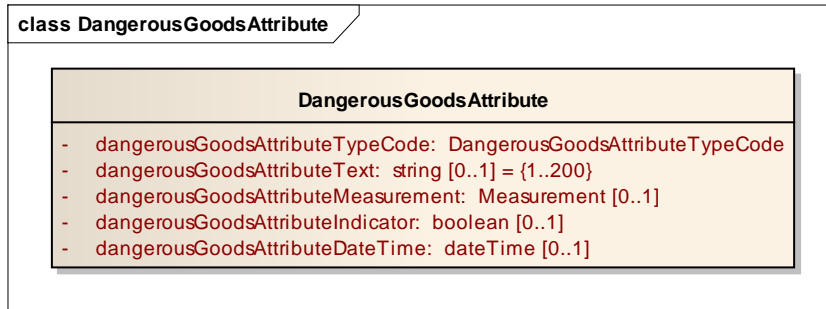
The content of the: ConsignmentReference class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ConsignmentReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
ConsignmentReference					Reference to consignment information	
Association		ConsignmentIdentification			Information used to identify a consignment	
Association	consignor	PartyIdentification			The party despatching a consignment of goods	
Association	consignee	PartyIdentification			The party receiving a consignment of goods	

4.2.8. Dangerous Goods Attribute

Class Diagram



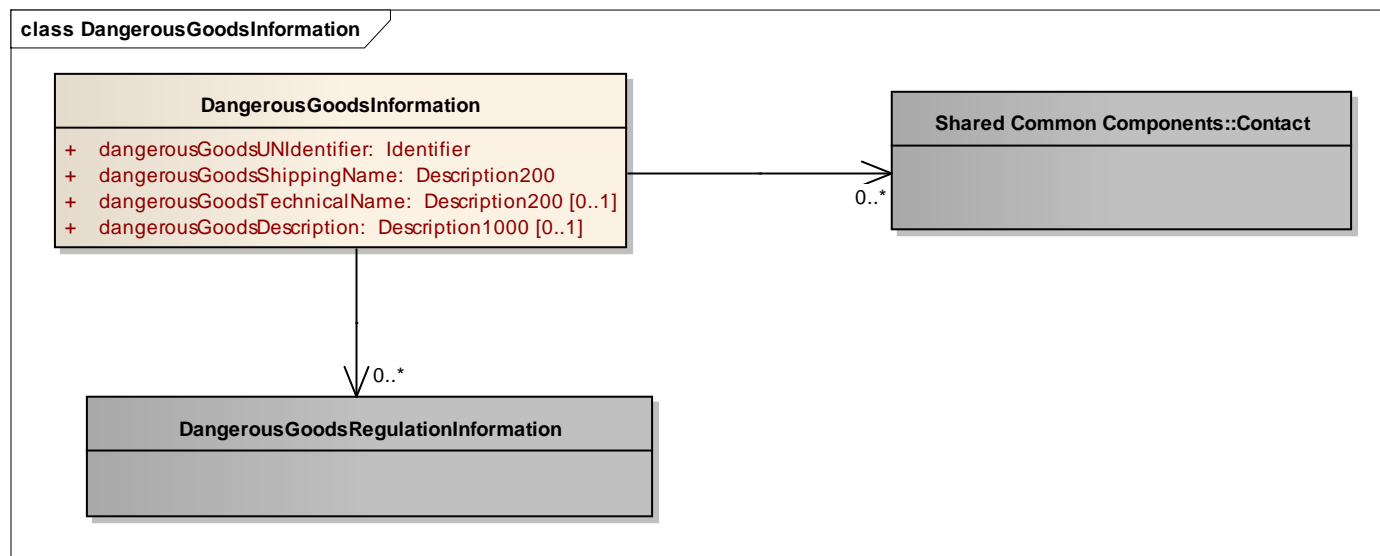
GDD Report

The content of the: DangerousGoodsAttribute class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DangerousGoodsAttribute

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DangerousGoodsAttribute					Hazardous instructions attribute details specific to a particular dangerous goods regulation.	
Attribute	dangerousGoodsAttributeTypeCode	DangerousGoodsAttributeTypeCode	1..1		Code specifying the type of dangerous goods attribute.	
Attribute	dangerousGoodsAttributeText	string	0..1		Textual value of the dangerous goods attribute.	
Attribute	dangerousGoodsAttributeMeasurement	Measurement	0..1		Measurement value of the dangerous goods attribute.	
Attribute	dangerousGoodsAttributeIndicator	boolean	0..1		Boolean value of the dangerous goods attribute.	
Attribute	dangerousGoodsAttributeDateTime	dateTime	0..1		Date time value of the dangerous goods attribute.	

4.2.9. Dangerous Goods Information

Class Diagram



GDD Report

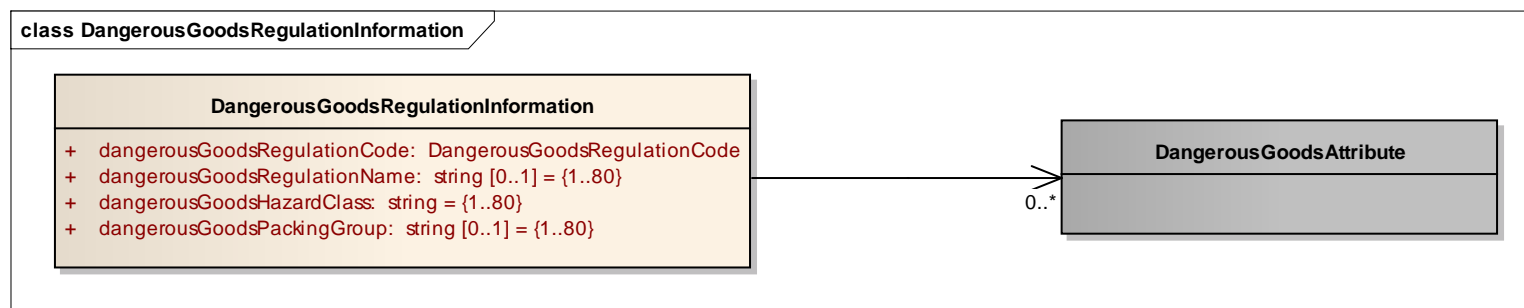
The content of the: DangerousGoodsInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DangerousGoodsInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DangerousGoodsInformation					Hazardous instructions applicable to delivered goods, such as where or how specified packages or containers are to be handled because of restriction from dangerous goods.	
Association		DangerousGoodsRegulationInformation	0..*		Hazardous instructions applicable to delivered goods according to a particular dangerous goods regulation.	
Association		Contact	0..*		A contact in relation to the handling of hazardous materials.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	dangerousGoodsUNIdentifier	Identifier	1..1		Number to identify hazardous substances or articles, as defined by United Nations Committee of Experts on the Transport of Dangerous Goods.	
Attribute	dangerousGoodsShippingName	Description200	1..1		Shipping name of the trade item (dangerous goods). Regulations provide a list of all acceptable proper shipping names.	
Attribute	dangerousGoodsTechnicalName	Description200	0..1		A technical name provided for a hazardous good by an organisation or regulation.	
Attribute	dangerousGoodsDescription	Description1000	0..1		Description of the hazardous materials.	

4.2.10. Dangerous Goods Regulation Information

Class Diagram



GDD Report

The content of the: DangerousGoodsRegulationInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

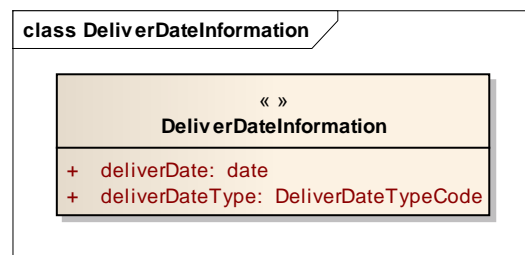
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DangerousGoodsRegulationInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DangerousGoodsRegulationInformation					Hazardous instructions applicable to delivered goods according to a particular dangerous goods regulation.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association		DangerousGoodsAttribute	0..*		Hazardous instructions attribute details specific to a particular dangerous goods regulation.	
Attribute	dangerousGoodsRegulation Code	DangerousGoodsRegulation Code	1..1		An indication of the classification system(s) of dangerous goods and/or the Agency(ies) responsible for it.	
Attribute	dangerousGoodsRegulation Name	string	0..1		Information specific to variable weight or dimension trade items.	
Attribute	dangerousGoodsHazardClass	string	1..1		The name of the class within the classification of hazardous materials for example Class A.	
Attribute	dangerousGoodsPackingGroup	string	0..1		Identifies the degree of risk these dangerous goods present during transport according to the specified regulation.	

4.2.11. Deliver Date Information

Class Diagram



GDD Report

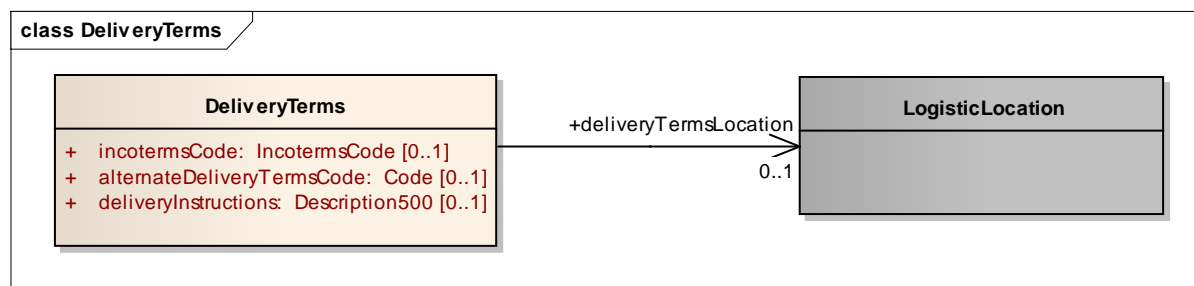
The content of the: DeliverDateInformation class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DeliverDateInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DeliverDateInformation					Provides the date information for the shipment.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	deliverDate	date	1..1		The date on which the shipment is delivered.	
Attribute	deliverDateType	DeliverDateTypeCode	1..1		A code identifying the type of date on which goods or services will or have been delivered.	

4.2.12. Delivery Terms

Class Diagram



GDD Report

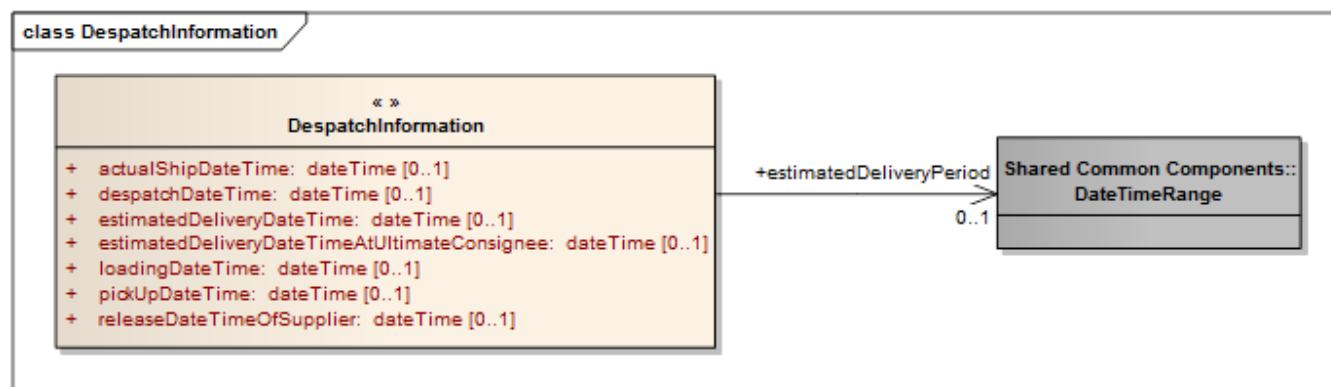
The content of the: DeliveryTerms class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DeliveryTerms

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DeliveryTerms					The applicable legal, customs, financial and insurance terms that have been agreed for a goods delivery.	
Association	deliveryTermsLocation	LogisticLocation	0..1		Location that is applicable to these delivery terms, such as the Free On Board (FOB) destination location.	
Attribute	incotermsCode	IncotermsCode	0..1		Code specifying the incoterms. Incoterms is an abbreviation for International Commercial Terms. The International Chamber of Commerce manages the Incoterms codes and their definitions.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	alternateDeliveryTermsCode	Code	0..1		Code specifying the delivery terms according to a system other than the Incoterms.	
Attribute	deliveryInstructions	Description500	0..1		Instructions on the final delivery of the goods.	

4.2.13. Despatch Information

Class Diagram



GDD Report

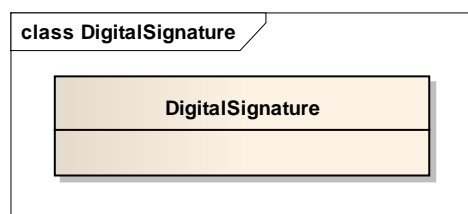
The content of the: DespatchInformation class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DespatchInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DespatchInformation					Information with regards to the despatching or shipping of goods.	
Association	estimatedDeliveryPeriod	DateTimeRange	0..1		Date time range in which the goods are expected to be delivered.	
Attribute	actualShipDateTime	dateTime	0..1		The date and time the goods were shipped.	
Attribute	despatchDateTime	dateTime	0..1		Date/time on which the goods are or are expected to be despatched or shipped.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	estimatedDeliveryDateTim e	dateTime	0..1		The estimated date and time of delivery.	
Attribute	estimatedDeliveryDateTim eAtUltimateConsignee	dateTime	0..1		The estimated date and time of delivery at the ultimate consignee	
Attribute	loadingDateTime	dateTime	0..1		The date and time when the goods are loaded for transport.	
Attribute	pickUpDateTime	dateTime	0..1		Date/time at which the cargo is picked up.	
Attribute	releaseDateTimeOfSupplier	dateTime	0..1		Date/Time when the supplier released the goods.	

4.2.14. Digital Signature

Class Diagram



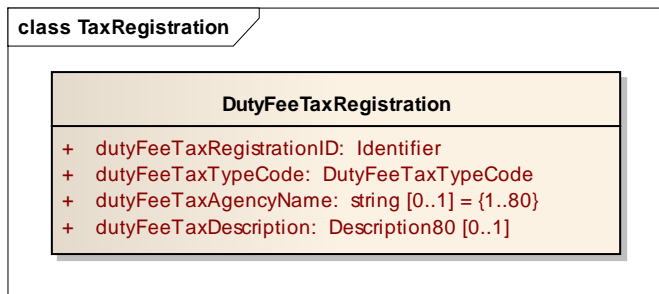
GDD Report

The content of the: DigitalSignature class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DigitalSignature

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DigitalSignature					Encrypted data used to electronically sign a document.	

4.2.1. Duty Fee Tax Registration

Class Diagram



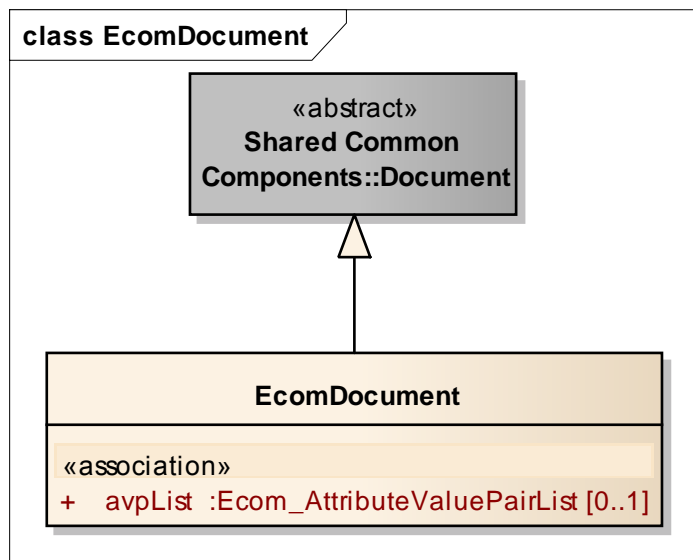
GDD Report

The content of the: DutyFeeTaxRegistration class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:DutyFeeTaxRegistration

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
DutyFeeTaxRegistration					The party registration details for a particular duty, tax or fee.	
Attribute	dutyFeeTaxRegistrationID	Identifier	1..1		Identifier of the party for this particular duty, fee or tax.	
Attribute	dutyFeeTaxTypeCode	DutyFeeTaxTypeCode	1..1		Code specifying the type of duty, fee or tax.	
Attribute	dutyFeeTaxAgencyName	string	0..1		Agency responsible for the collection of this duty, fee or tax.	
Attribute	dutyFeeTaxDescription	Description80	0..1		Textual description of this duty, fee or tax.	

4.2.2. Ecom Document

Class Diagram



GDD Report

The content of the: EcomDocument class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:EcomDocument

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
EcomDocument					Used to specify basic information about the content of the message including version number, creation date and time and AVP placeholder.	
Generalisation		Document				
Association	avpList	Ecom_AttributeValuePairList	0..1		The transmission of non-standard data done in a simple, flexible, and easy to use method.	WR 14-000110

4.2.3. Ecom_AttributeValuePairList

Class Diagram



GDD Report

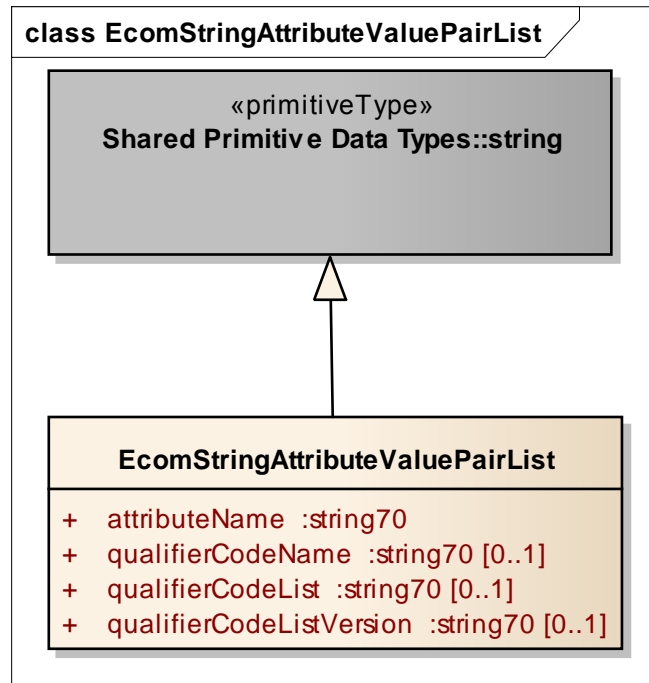
The content of the: Ecom_AttributeValuePairList class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:Ecom_AttributeValuePairList

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Ecom_AttributeValuePairList					The placeholder for non-standard data.	WR 14-000110
Attribute	EcomStringAttributeValuePairList	EcomStringAttributeValuePairList	0..*		An attribute value pair that allows for a string and optionally an associated qualifier (e.g. Unit of Measure).	

4.2.4. EcomStringAttributeValuePairList

Class Diagram



GDD Report

The content of the: EcomStringAttributeValuePairList class, its structure and component definitions can be accessed in the Global Data Dictionary:

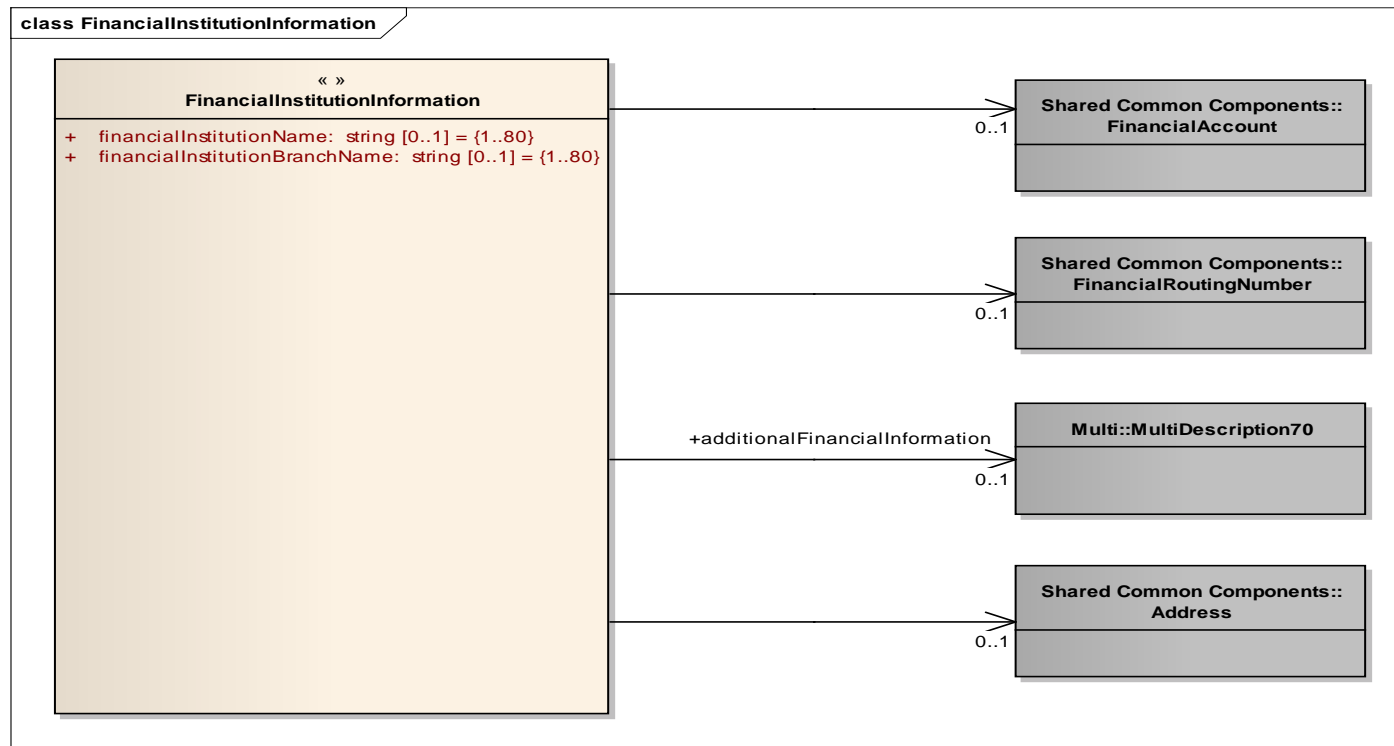
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:EcomStringAttributeValuePairList

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
EcomStringAttribute ValuePairList						
Generalization		string				
Attribute	attributeName	string70	1..1		The name of the temporary attribute being introduced as an attribute value pair.	
Attribute	qualifierCodeName	string70	0..1		The value of the attribute qualifier associated with the codeListName	
Attribute	qualifierCodeList	string70	0..1		The code list qualifying the temporary attribute	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	qualifierCodeListVersion	string70	0..1		The version of the code list qualifying the temporary attribute.	

4.2.5. Financial Institution Information

Class Diagram



GDD Report

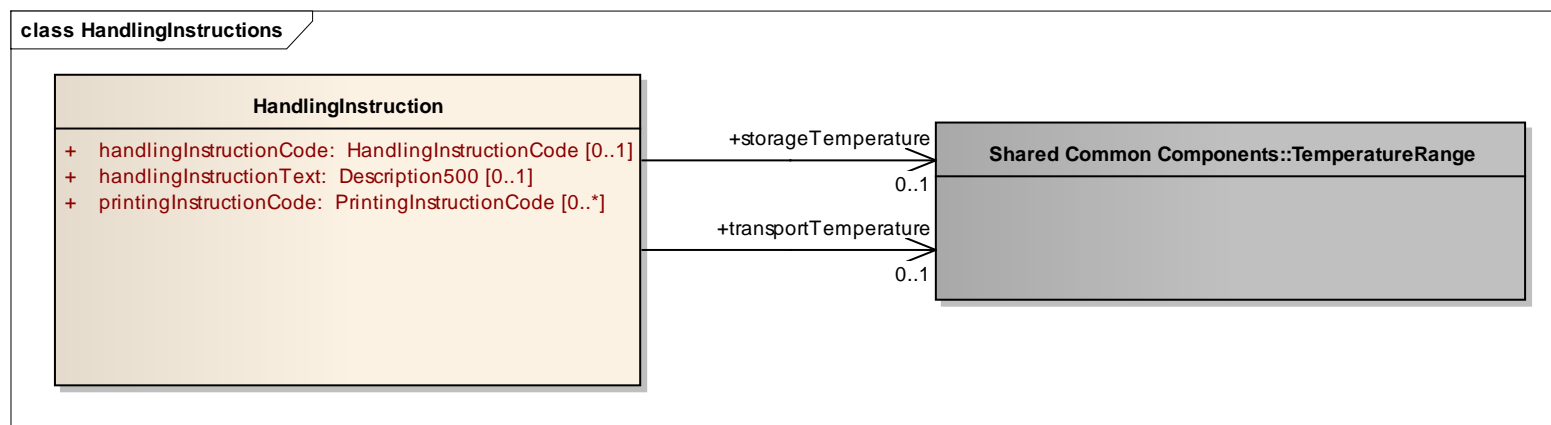
The content of the: FinancialInstitutionInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:FinancialInstitutionInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
FinancialInstitutionInformation					Information on a financial account and related financial institution.	
Association	additionalFinancialInformation	MultiDescription70	0..1		A description used to provide any additional information about a financial institution.	
Association		FinancialRoutingNumber	0..1		Provides the Routing Number for the Financial Institution.	
Association		FinancialAccount	0..1		Information identifying a client's financial account with a financial institution.	
Association		Address	0..1		The company name and address of a financial institution.	
Attribute	financialInstitutionName	string	0..1		The name of the account holder's financial institution.	
Attribute	financialInstitutionBranchName	string	0..1		The name of a division or location of the account holder's financial institution.	

4.2.6. Handling Instruction

Class Diagram



GDD Report

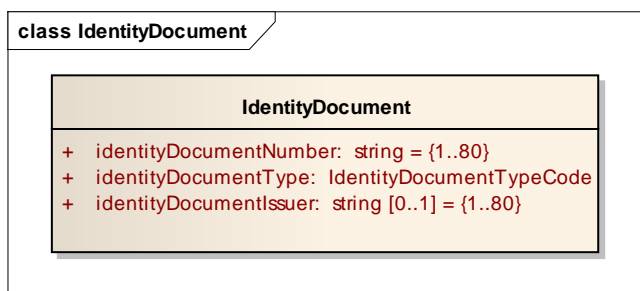
The content of the: HandlingInstruction class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:HandlingInstruction

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
HandlingInstruction					Instruction on the way to treat goods during transport and storage.	
Association	transportTemperature	TemperatureRange	0..1		The minimum and maximum temperature applicable to the transportation of goods.	
Association	storageTemperature	TemperatureRange	0..1		The minimum and maximum temperature applicable to the storage of goods.	
Attribute	handlingInstructionCode	HandlingInstructionCode	0..1		Code specifying an instruction applicable to the transport or storage of goods.	
Attribute	handlingInstructionText	Description500	0..1		Free text instruction applicable to the transport or storage of goods.	
Attribute	printingInstructionCode	PrintingInstructionCode	0..*		Code specifying the document on which the specified information needs to be printed.	

4.2.7. Identity Document

Class Diagram



GDD Report

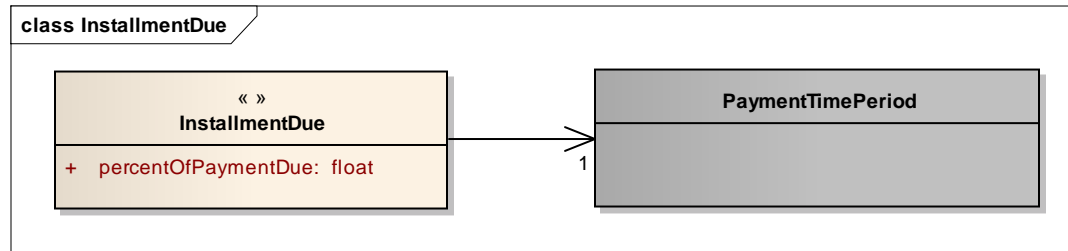
The content of the: IdentityDocument class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:IdentityDocument

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
IdentityDocument					An identity document is any document which may be used to verify aspects of a person's personal identity or of a person's relationship with an organisation. If issued in the form of a small, mostly standard-sized card, it is usually called an identity card (IC).	
Attribute	identityDocumentNumber	string	1..1		Unique identifier in this identity document, intended to identify a particular person.	
Attribute	identityDocumentType	IdentityDocumentTypeCode	1..1		Code specifying the type of identity document.	
Attribute	identityDocumentIssuer	string	0..1		Text specifying the issuer of the identity document.	

4.2.8. Installment Due

Class Diagram



GDD Report

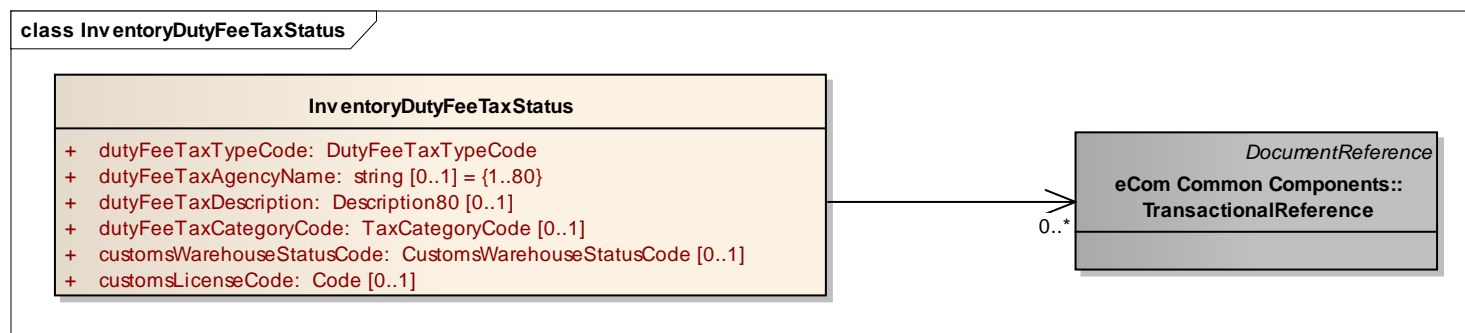
The content of the: InstallmentDue class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InstallmentDue

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InstallmentDue					Specifies the percentage amount of the payment due for a Payment Time Period.	
Association		PaymentTimePeriod	1		Provides the payment time period information for the installment.	
Attribute	percentOfPaymentDue	float	1..1		Specifies the exact amount of the payment due this payment period. The amount is expressed as a percent.	

4.2.9. Inventory Duty Fee Tax Status

Class Diagram



GDD Report

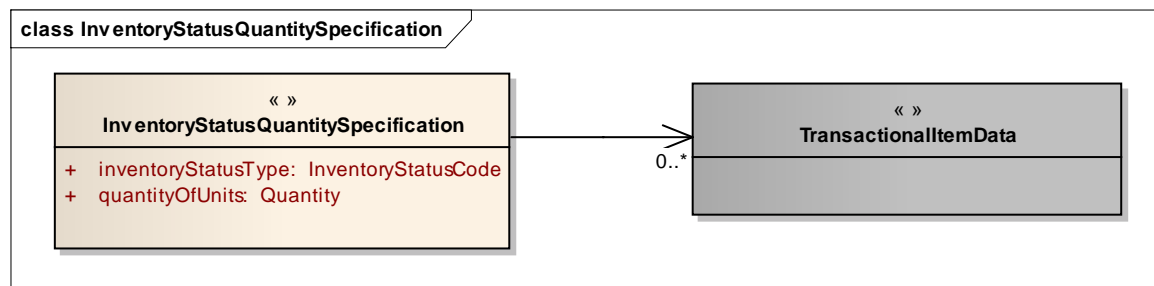
The content of the: InventoryDutyFeeTaxStatus class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InventoryDutyFeeTaxStatus

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InventoryDutyFeeTaxStatus					The inventory status details related to a particular duty, tax or fee.	
Association		TransactionalReference	0..*			
Attribute	dutyFeeTaxTypeCode	DutyFeeTaxTypeCode	1..1		Code specifying the type of duty, fee or tax.	
Attribute	dutyFeeTaxAgencyName	string	0..1		Agency responsible for the collection of this duty, fee or tax.	
Attribute	dutyFeeTaxDescription	Description80	0..1		Textual description of this duty, fee or tax.	
Attribute	dutyFeeTaxCategoryCode	TaxCategoryCode	0..1		Code specifying the applicable charge category for this duty, fee or tax. For example low, high, exempt.	
Attribute	customsWarehouseStatusCode	CustomsWarehouseStatusCode	0..1		Code specifying the customs warehouse status of the goods, for example free circulation.	
Attribute	customsLicenseCode	Code	0..1		Code specifying the type of customs license that relates to the customs status of the goods. For example Entrepot Type E.	

4.2.10. Inventory Status Quantity Specification

Class Diagram



GDD Report

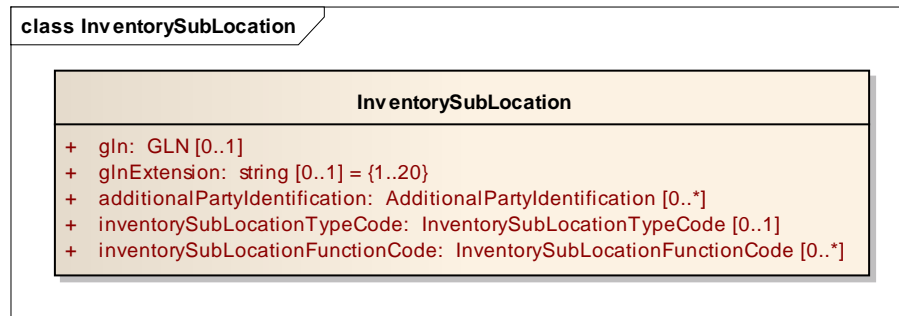
The content of the: InventoryStatusQuantitySpecification class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InventoryStatusQuantitySpecification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InventoryStatusQuantitySpecification					Supplies the inventory status information with the quantity and the inventory status type.	
Association		TransactionalItemData	0..*		Extended attributes describing the characteristics and history of the goods.	
Attribute	inventoryStatusType	InventoryStatusCode	1..1		Code specifying the inventory status of the goods.	
Attribute	quantityOfUnits	Quantity	1..1		Quantity of goods with the specified inventory status.	

4.2.11. Inventory Sub Location

Class Diagram



GDD Report

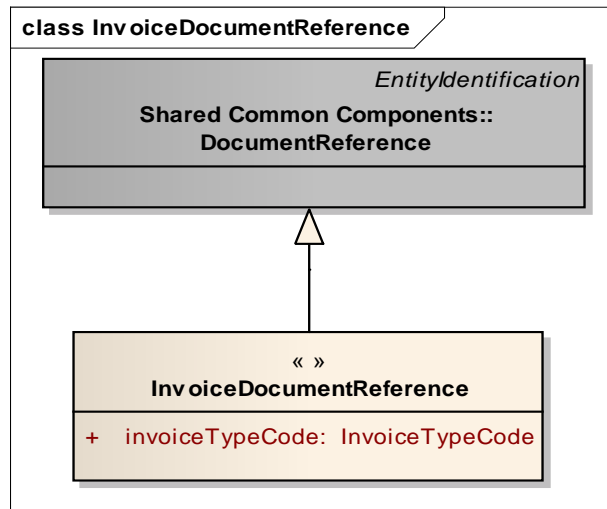
The content of the: InventorySubLocation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InventorySubLocation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InventorySubLocation					An inventory sub location is a physical subdivision within a warehouse. Examples of physical subdivisions: dock, bin, rack, yard.	
Attribute	gln	GLN	0..1		The Global Location Number (GLN) used to identify the sub location.	
Attribute	glnExtension	string	0..1		Text used to further identify internal physical locations within an inventory sub-location which is identified with a GLN.	
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*		Identifier of the sub-location other than the GLN.	
Attribute	inventorySubLocationTypeCode	InventorySubLocationTypeCode	0..1		Code specifying the primary business function of the physical location.	
Attribute	inventorySubLocationFunctionCode	InventorySubLocationFunctionCode	0..*		Code that further qualifies the business function of the inventory sub location. For example frozen area.	

4.2.12. Invoice Document Reference

Class Diagram



GDD Report

The content of the: InvoiceDocumentReference class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceDocumentReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
InvoiceDocument Reference					Information on an invoice that is referenced in another business document.	
Generalization		DocumentReference			Provides the details of the referenced document.	
Attribute	invoiceTypeCode	InvoiceTypeCode	1..1		Code specifying the type of invoice.	

4.2.13. Legal Registration

Class Diagram



GDD Report

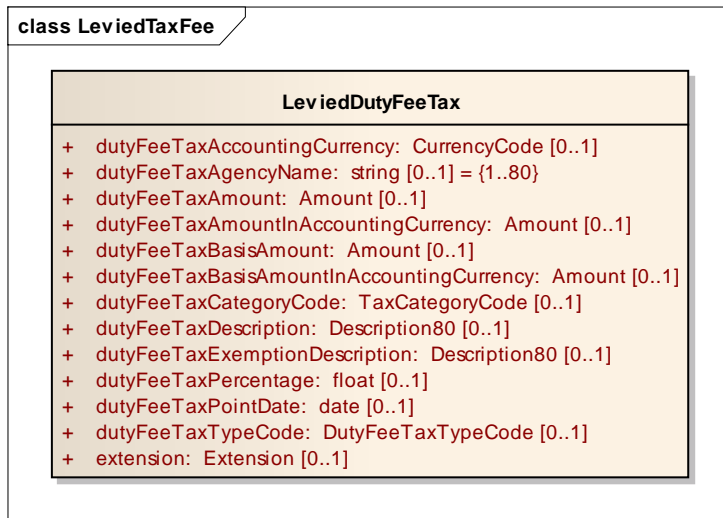
The content of the: LegalRegistration class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LegalRegistration

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LegalRegistration					The registration details of an organisation in a particular legal register.	
Attribute	legalRegistrationNumber	string	1..1		Unique identifier of the organisation in the legal register.	
Attribute	legalRegistrationType	LegalRegistrationCode	1..1		Code specifying the type of legal register.	

4.2.14. Levied Duty Fee Tax

Class Diagram



GDD Report

The content of the: LeviedDutyFeeTax class, its structure and component definitions can be accessed in the Global Data Dictionary:

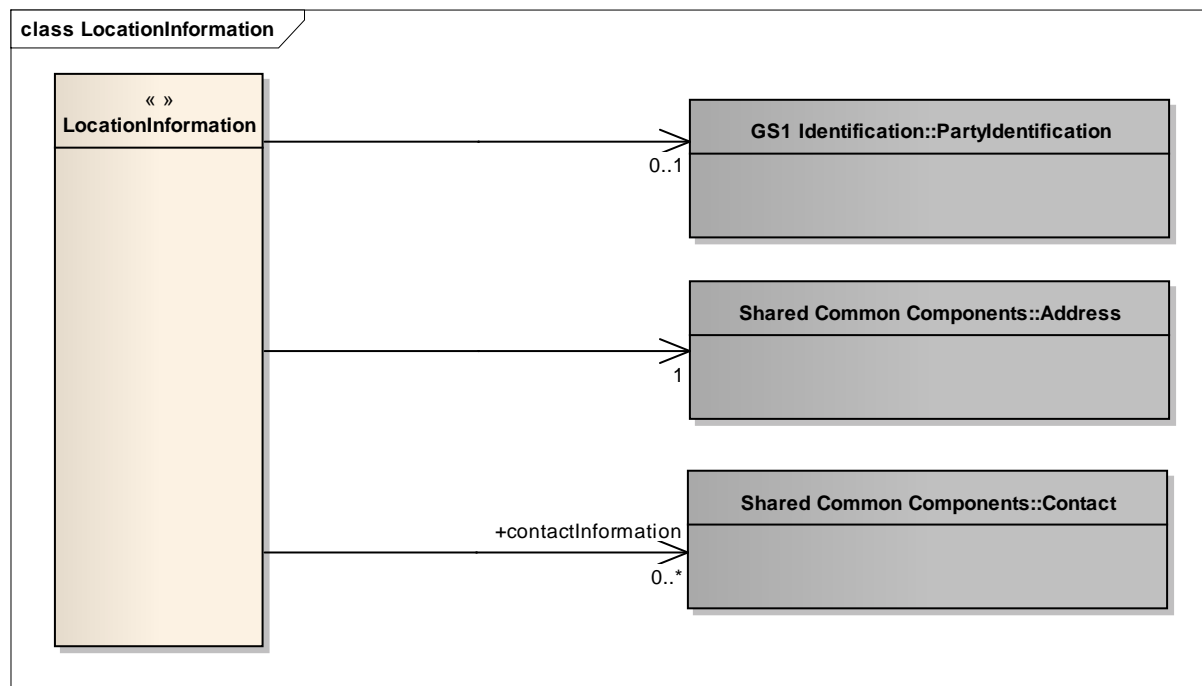
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LeviedDutyFeeTax

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LeviedDutyFeeTax					A duty, fee or tax charged in a particular trade transaction.	
Attribute	dutyFeeTaxAccountingCurrency	CurrencyCode	[0..1]		The monetary unit used in the calculation of the duty, tax or fee.	
Attribute	dutyFeeTaxAgencyName	string	[0..1]		Agency responsible for the collection of this duty, fee or tax.	
Attribute	dutyFeeTaxAmount	Amount	[0..1]		The monetary amount being charged for this duty, fee or tax.	
Attribute	dutyFeeTaxAmountInAccountingCurrency	Amount	[0..1]		The monetary amount being charged for this duty, fee or tax, expressed in the accounting currency.	
Attribute	dutyFeeTaxBasisAmount	Amount	[0..1]		The monetary amount on which the calculation of the charged amount is based.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	dutyFeeTaxBasisAmountInAccountingCurrency	Amount	[0..1]		The monetary amount on which the calculation of the charged amount is based, expressed in the accounting currency.	
Attribute	dutyFeeTaxCategoryCode	TaxCategoryCode	[0..1]		Code specifying the applicable charge category for this duty, fee or tax. For example low, high, exempt.	
Attribute	dutyFeeTaxDescription	Description80	[0..1]		Textual description of this duty, fee or tax. For example, "Taxes sur les supports audio" or WEEE for "Waste Electrical and Electronic Equipment".	
Attribute	dutyFeeTaxExemptionDescription	Description80	[0..1]		Textual description of the reason for being exempt for this duty, fee or tax.	
Attribute	dutyFeeTaxPercentage	float	[0..1]		Percentage allowing calculation of the amount being charged.	
Attribute	dutyFeeTaxPointDate	date	[0..1]		Date at which a tax becomes applicable. E.g. If the supply is a straightforward sale of goods, the tax point is normally the date on which the customer takes possession of the goods. For the supply of services, the tax point is normally the date on which the service is completed.	
Attribute	dutyFeeTaxTypeCode	DutyFeeTaxTypeCode	[0..1]		Code specifying the type of duty, fee or tax.	
Attribute	extension	Extension	[0..1]			

4.2.15. Location Information

Class Diagram



GDD Report

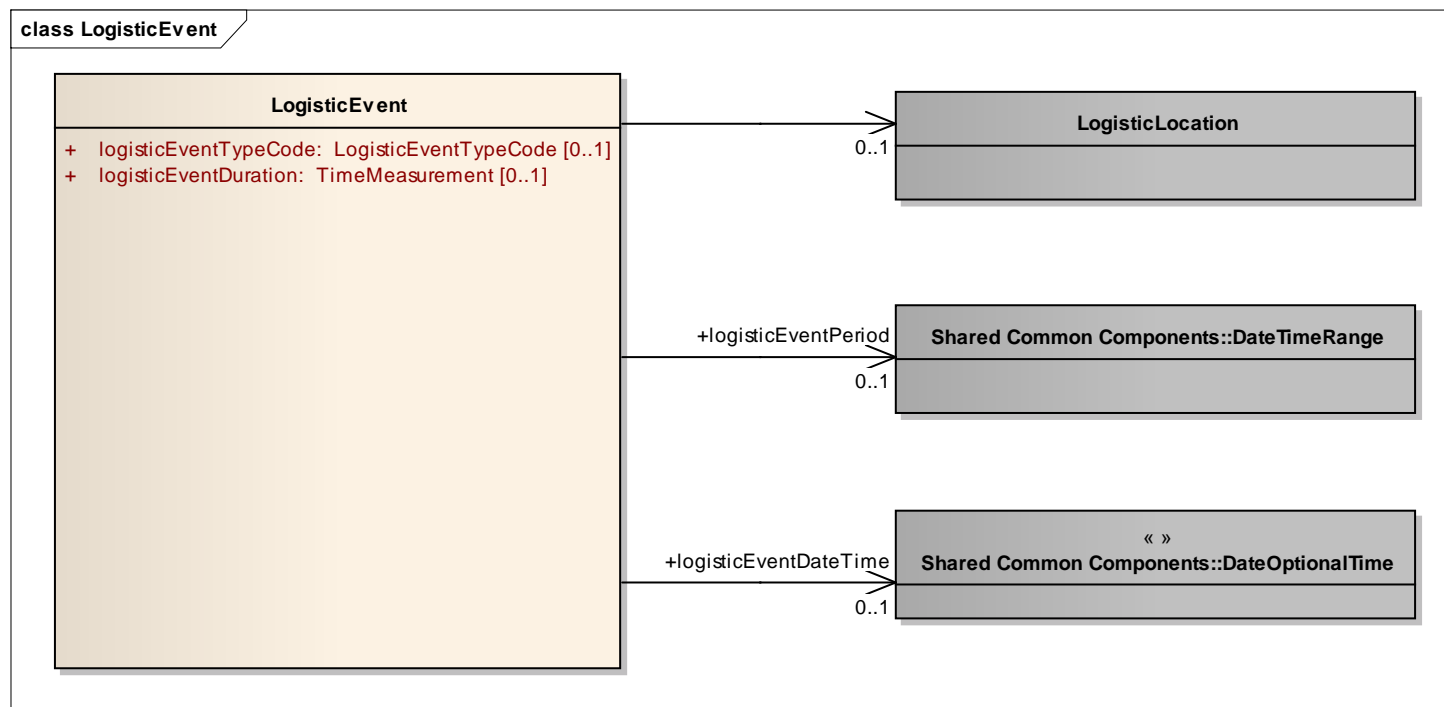
The content of the: LocationInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LocationInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LocationInformation					Provides the contact, name and address, and GLN of the location.	
Association	contactInformation	Contact	0..*		Provides the contact information for a location.	
Association		PartyIdentification	0..1		Provides the location's Global Location Number and additional identifications.	
Association		Address	1		Provides the location's address.	

4.2.16. Logistic Event

Class Diagram



GDD Report

The content of the: **LogisticEvent** class, its structure and component definitions can be accessed in the Global Data Dictionary:

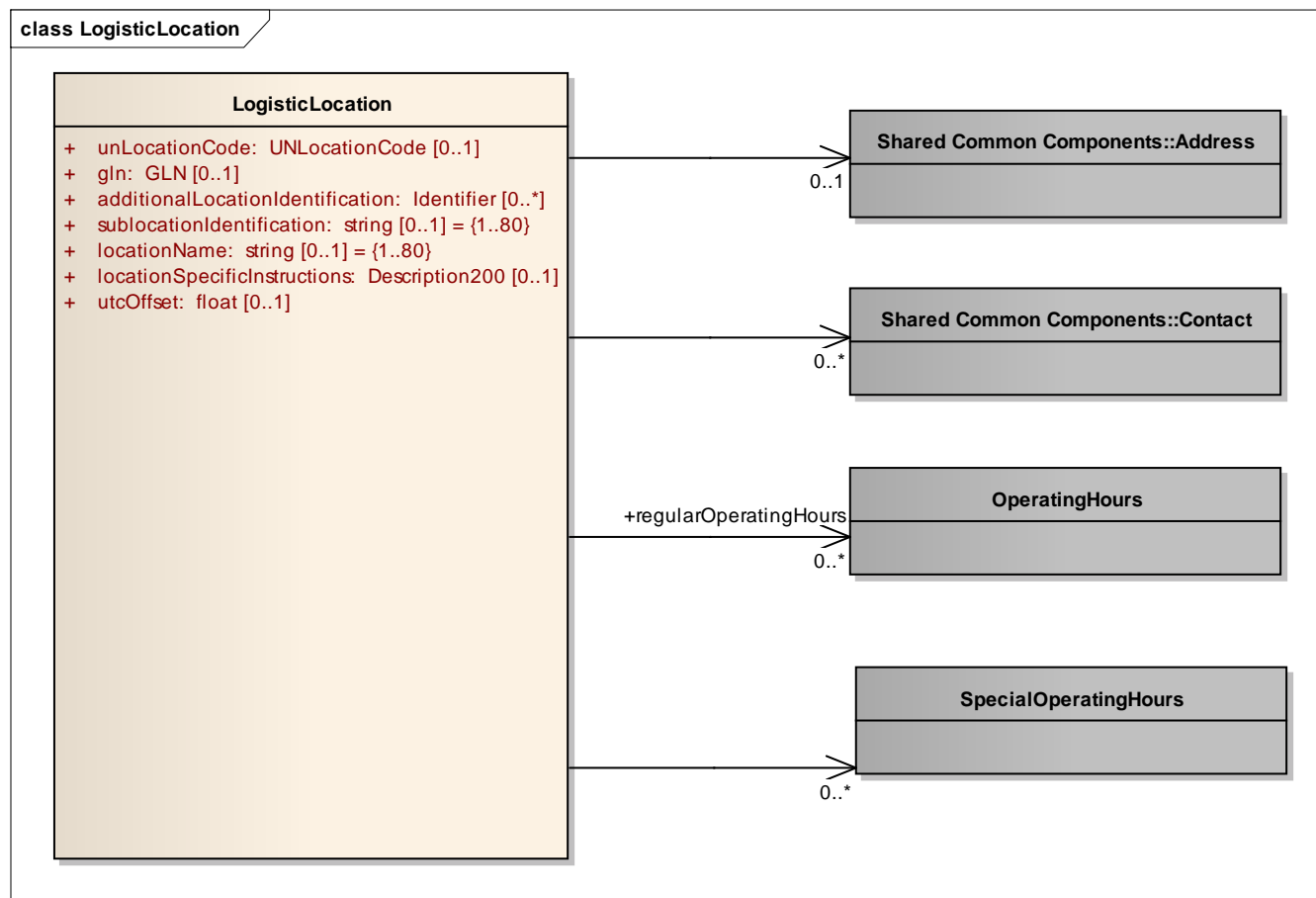
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticEvent

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticEvent					A planned or actual occurrence of a physical goods movement at a specific time and location.	
Association	logisticEventDateTime	DateOptionalTime	0..1		The date and time on which the logistic event occurs.	
Association	logisticEventPeriod	DateTimeRange	0..1		The timeframe during which the logistic event occurs.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association		LogisticLocation	0..1		The location where the logistic event occurs.	
Attribute	logisticEventTypeCode	LogisticEventTypeCode	0..1		Code specifying the type of logistic event. Example: Customs clearance.	
Attribute	logisticEventDuration	TimeMeasurement	0..1		Measurement value specifying the duration of the logistic event.	

4.2.17. Logistic Location

Class Diagram



GDD Report

The content of the: LogisticLocation class, its structure and component definitions can be accessed in the Global Data Dictionary:

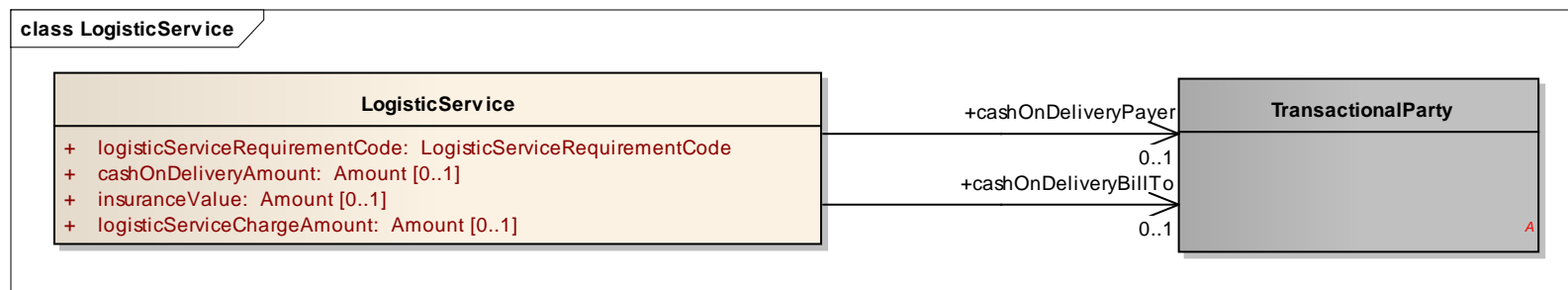
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticLocation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticLocation					Place where a physical goods movement is or will be carried out.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association		Address	0..1		Address details of this logistic location.	
Association		SpecialOperatingHours	0..*		The period during which the location is operational on special days, such as holidays.	
Association	regularOperatingHours	OperatingHours	0..*		The period during which the location is normally operational on a weekday.	
Association		Contact	0..*		Person or department that can be contacted at this logistic location.	
Attribute	unLocationCode	UNLocationCode	0..1		UN/LOCODE is a geographic coding scheme maintained by UN/ECE for locations used in trade and transport with functions such as seaports, rail and road terminals, airports, post offices and border crossing points.	
Attribute	gln	GLN	0..1		The GS1 global location number (GLN) of this logistic location.	
Attribute	additionalLocationIdentification	Identifier	0..*		Identification of a location by use of a code other than the Global Location Number.	
Attribute	sublocationIdentification	string	0..1		Text further specifying the exact logistic location. For example: dock door, department, building.	
Attribute	locationName	string	0..1		The name of this logistic location.	
Attribute	locationSpecificInstructions	Description200	0..1		Instructions related to the pick-up or drop-off of goods at this location.	
Attribute	utcOffset	float	0..1		Numeric value specifying the time zone of the location as offset from the Coordinated Universal Time (UTC).	

4.2.18. Logistic Service

Class Diagram



GDD Report

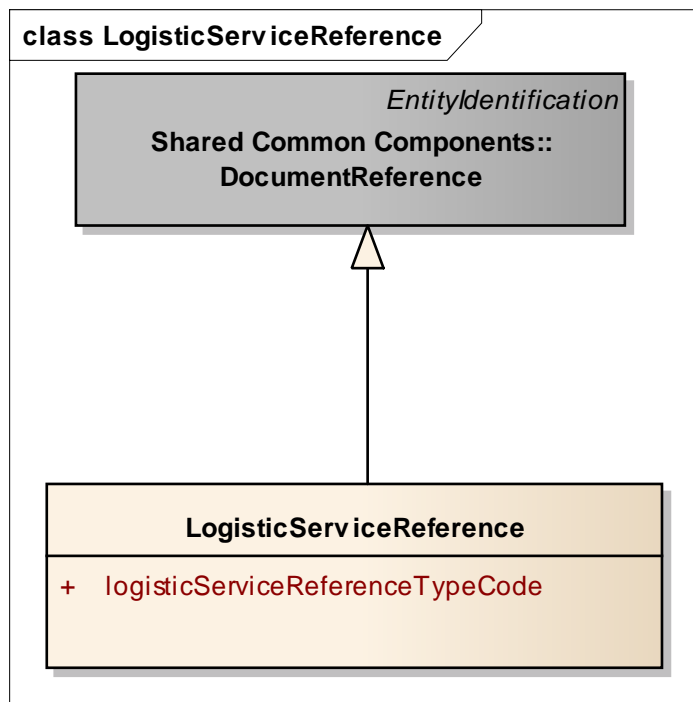
The content of the: LogisticService class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticService

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticService					Service requested from a logistic services provider.	
Association	cashOnDeliveryBillTo	TransactionalParty	0..1		Identifies the party who receives the cash-on-delivery invoice. Synonym: Invoicee.;[BRAD WIO]	
Association	cashOnDeliveryPayer	TransactionalParty	0..1		Identifies the party who will carry out the payment of the cash-on-delivery invoice.	
Attribute	logisticServiceRequirementCode	LogisticServiceRequirementCode	1..1		Code specifying the type of service required.; BRAD CON25, SHM23	
Attribute	cashOnDeliveryAmount	Amount	0..1		Monetary amount applicable in case the logistic services provider is requested collect the payment for the delivered goods.; BRAD CON20, SHM6	
Attribute	insuranceValue	Amount	0..1		Monetary amount applicable in case the logistic service provider is requested to arrange the insurance of the delivered goods.; BRAD CON20, SHM6	
Attribute	logisticServiceChargeAmount	Amount	0..1		Monetary amount to be paid to the logistic service provider as compensation for the provided service.	

4.2.19. Logistic Service Reference

Class Diagram



GDD Report

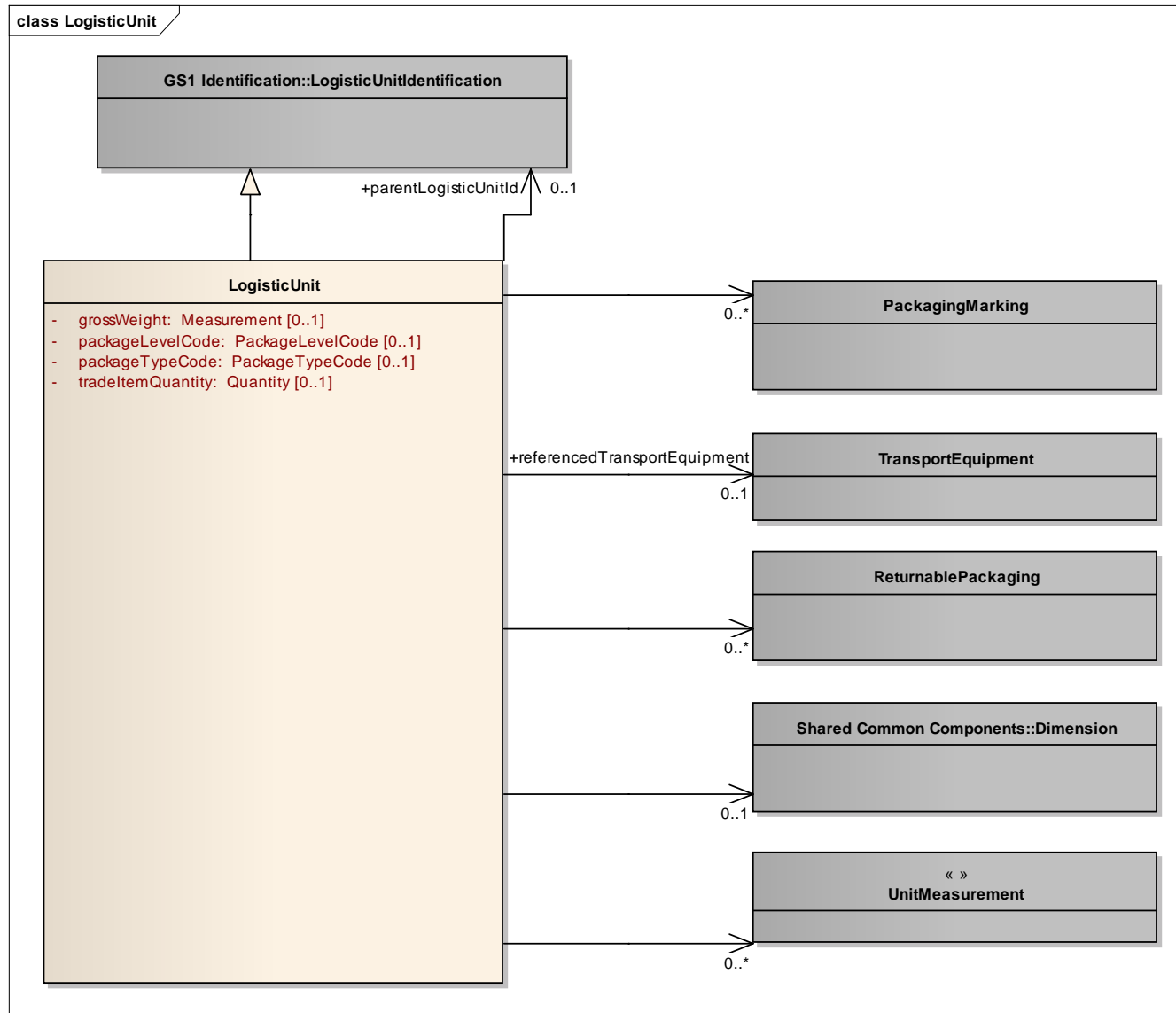
The content of the: LogisticServiceReference class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticServiceReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticServiceReference					References to GS1 messages related to logistic services	
Attribute	logisticServiceReferenceTypeCode	LogisticServiceReferenceTypeCode	1..1		List of GS1 messages related to logistic services. Allowed code values are specified in GS1 Code List LogisticServiceReferenceTypeCode	
Generalization		DocumentReference			Provides the details of the referenced document.	

4.2.20. Logistic Unit

Class Diagram



GDD Report

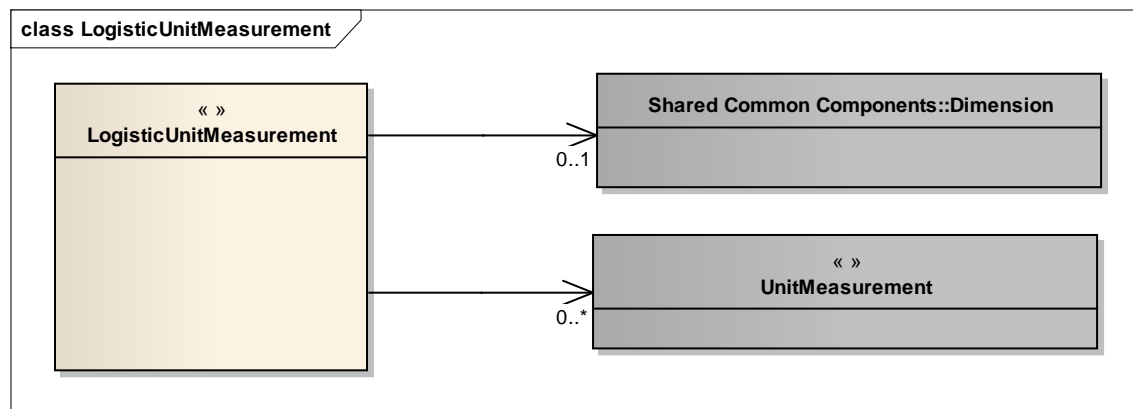
The content of the: LogisticUnit class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticUnit

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticUnit					A <u>logistic unit</u> is a unit of any composition made up for transport and or storage which has to be managed throughout the supply chain.	
Association		Dimension	0..1		The depth, height and width of the logistic unit.	
Association	referencedTransportEquipment	TransportEquipment	0..1		Reference to the transport equipment that contains this logistic unit.; BRAD TM LOU7	
Association		PackagingMarking	0..*		Details on the markings present on the packaging of the logistic unit.; BRAD TM LOU5	
Association		UnitMeasurement	0..*		Information specifying the weight or volume of the logistic unit.	
Association		ReturnablePackaging	0..*		Details on the returnable packaging included in the logistic unit.; BRAD TM LOU3	
Generalization		LogisticUnitIdentification			The identification of the logistic unit.	
Association	parentLogisticUnitId	LogisticUnitIdentification	0..1		Reference to the logistic unit that contains this logistic unit.; BRAD TM LOU4	
Attribute	grossWeight	Measurement	0..1		The weight of the logistic unit including packaging. NOTE: With the addition of UnitMeasurement in 3.1 this element has become redundant.; BRAD TM LOU2.	
Attribute	packageLevelCode	PackageLevelCode	0..1		Code specifying the hierarchical level of this logistical unit within a consignment or shipment.	
Attribute	packageTypeCode	PackageTypeCode	0..1		Code specifying the type of logistic unit based on its primary packaging.; BRAD TM LOU3	
Attribute	tradeItemQuantity	Quantity	0..1		The number of trade items contained in the logistic unit.	

4.2.21. Logistic Unit Measurement

Class Diagram



GDD Report

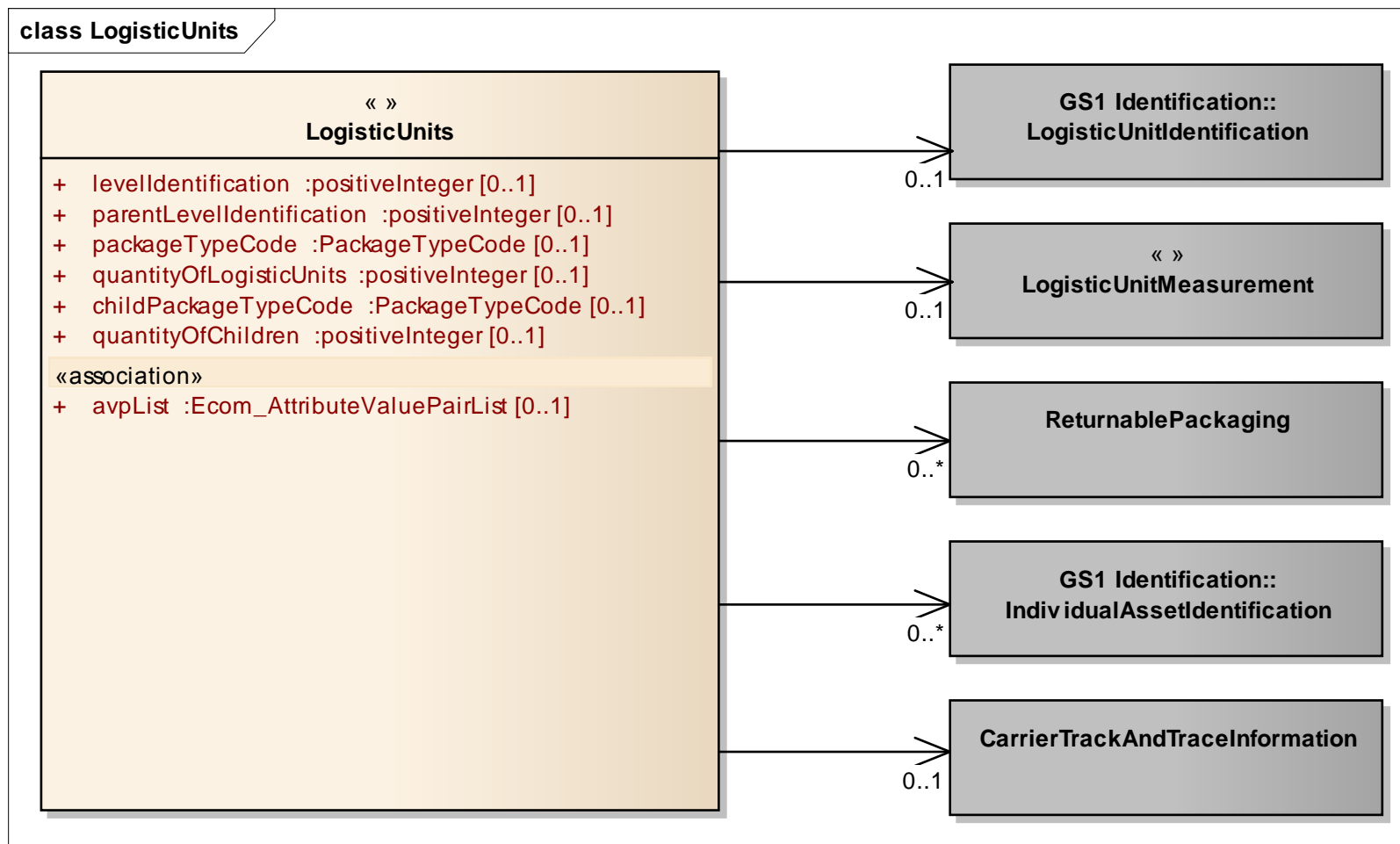
The content of the: LogisticUnitMeasurement class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticUnitMeasurement

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticUnitMeasurement					Information specifying the physical measurement and the physical dimensions of a specific logistic unit.	
Association		UnitMeasurement	0..*		Information specifying the weight or volume of the logistic unit.	
Association		Dimension	0..1		Information specifying the physical dimensions of a specific logistic unit.	

4.2.22. Logistic Units

Class Diagram



GDD Report

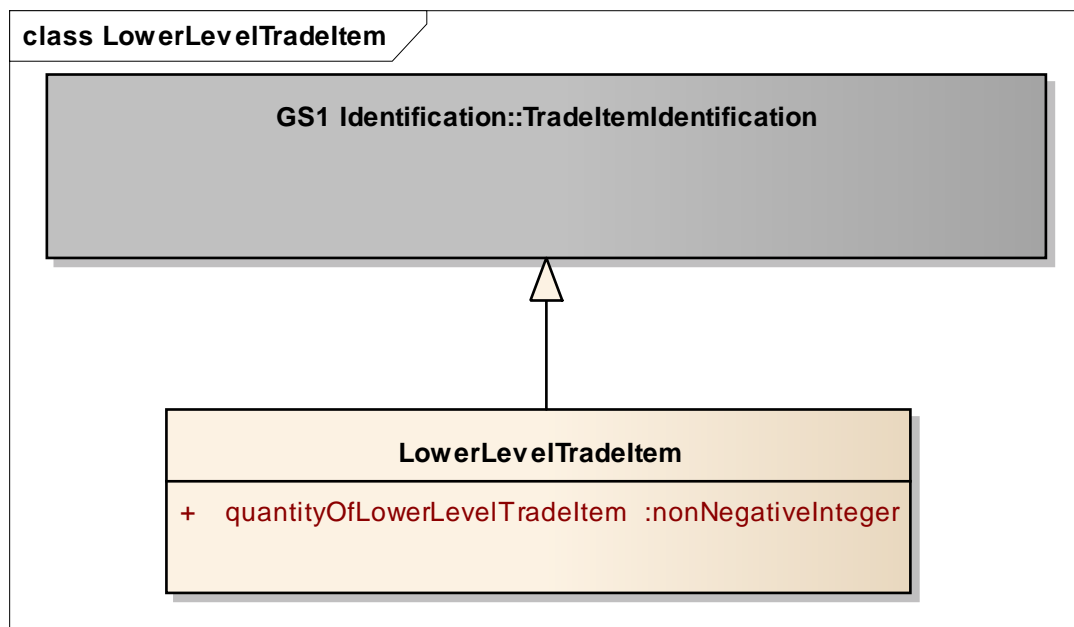
The content of the: LogisticUnits class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LogisticUnits

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LogisticUnits					Information specifying the physical appearance, the physical dimensions as well as the contents of a specific logistic unit.	
Association		ReturnablePackaging	0..*		Details on the returnable packaging included in the logistic units.; WR 12-199	
Association		CarrierTrackAndTraceInformation	0..1		Set of information related to package tracking and tracing assigned by the carrier.	
Association		IndividualAssetIdentification	0..*		Information used to identify an asset.	
Association		LogisticUnitIdentification	0..1		The globally unique identification attached to the logistic unit, used for logistical and traceability purposes.	
Association		LogisticUnitMeasurement	0..1		The physical dimensions of the logistic unit.	
Attribute	levelIdentification	positiveInteger	0..1		Hierarchical structure level identifier (Sequential numbering recommended)	
Attribute	parentLevelIdentification	positiveInteger	0..1		Hierarchical structure parent identifier	
Attribute	packageTypeCode	PackageTypeCode	0..1		Code specifying the type of package.	
Attribute	quantityOfLogisticUnits	positiveInteger	0..1		Number of packages at the current level.	
Attribute	childPackageTypeCode	PackageTypeCode	0..1		Code specifying the type of the included (lower level) package.	
Attribute	quantityOfChildren	positiveInteger	0..1		Number of packages at the next lower level.	
Attribute	avpList	Ecom_AttributeValuePairList	0..1		Temporary attributes introduced between minor versions.	

4.2.23. Lower Level Trade Item

Class Diagram



GDD Report

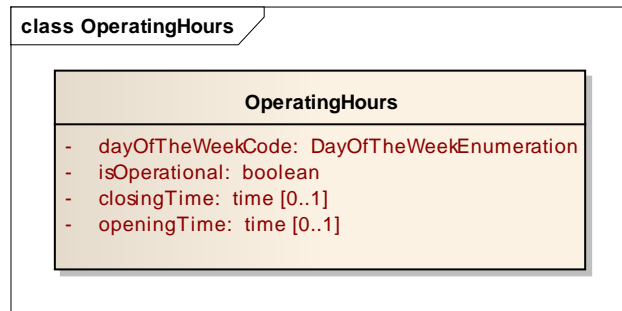
The content of the: LowerLevelTradeItem class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:LowerLevelTradeItem

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
LowerLevelTradeItem					Identification and quantity of trade items contained in the current trade item	
Generalization		TradeItemIdentification			Provides the GTIN as the unique identifier for the item and optionally additional formats of non GTIN identifiers for the item.	
Attribute	quantityOfLowerLevelTradeItem	nonNegativeInteger	1..1		Number of trade items contained in the current trade item	

4.2.24. Operating Hours

Class Diagram



GDD Report

The content of the: OperatingHours class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OperatingHours

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
OperatingHours					The period during which a business or facility is operational on a weekday.	
Attribute	dayOfTheWeekCode	DayOfTheWeekEnumeration	1..1		Code specifying the day of the week to which the operating hours apply.	
Attribute	isOperational	boolean	1..1		Indicator specifying whether or not the business or facility is operational on the specified day.	
Attribute	closingTime	time	0..1		Time at which the business or facility closes on the specified day.	
Attribute	openingTime	time	0..1		Time at which the business or facility opens on the specified day.	

4.2.25. Order Logistical Date Information

Class Diagram



GDD Report

The content of the: OrderLogisticalDateInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

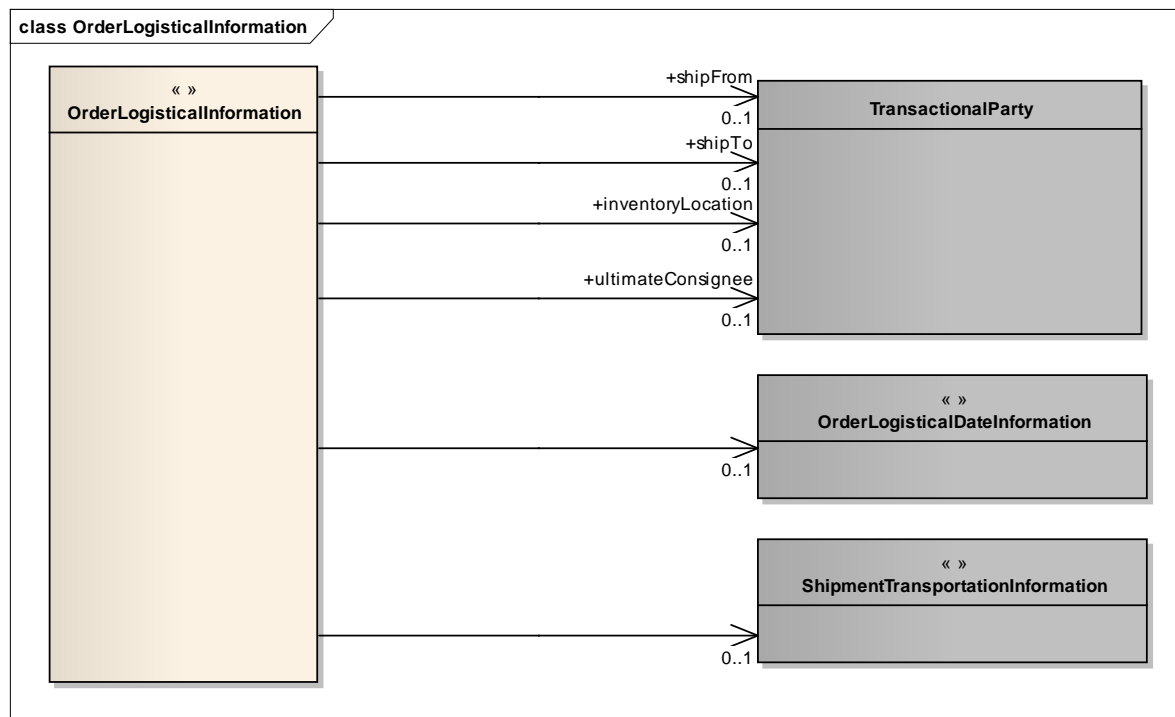
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderLogisticalDateInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
OrderLogisticalDateInfor mation					Contains the choices to select various types of dates or date ranges associated to the order.	
Association	requestedPickUpDat eTime	DateOptionalTime	0..1		Provides the date and optional time on which the goods are requested to be available for pickup at the seller's location.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association	requestedDeliveryDateAtUltimateConsignee	DateOptionalTime	0..1		Provides the date and optional time on which the goods are requested to be delivered to the Ultimate Consignee.	
Association	requestedShipDateTime	DateOptionalTime	0..1		Provides the date and optional time on which the goods are requested to be shipped or despatched by the supplier.	
Association	requestedDeliveryDateTime	DateOptionalTime	0..1		Provides the date and optional time on which the goods are requested to be delivered.	
Association	requestedDeliveryDateRange	DateTimeRange	0..1		Provides the earliest and latest date ranges and the optional times on which the goods are requested to be delivered.	
Association	requestedDeliveryDateRangeAtUltimateConsignee	DateTimeRange	0..1		Provides the earliest and latest date ranges and the optional times on which the goods are requested to be delivered to the Ultimate Consignee.	
Association	requestedShipDateRange	DateTimeRange	0..1		Provides the earliest and latest date ranges and the optional times on which the goods are requested to be shipped or despatched.	

4.2.26. Order Logistical Information

Class Diagram



GDD Report

The content of the: OrderLogisticalInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

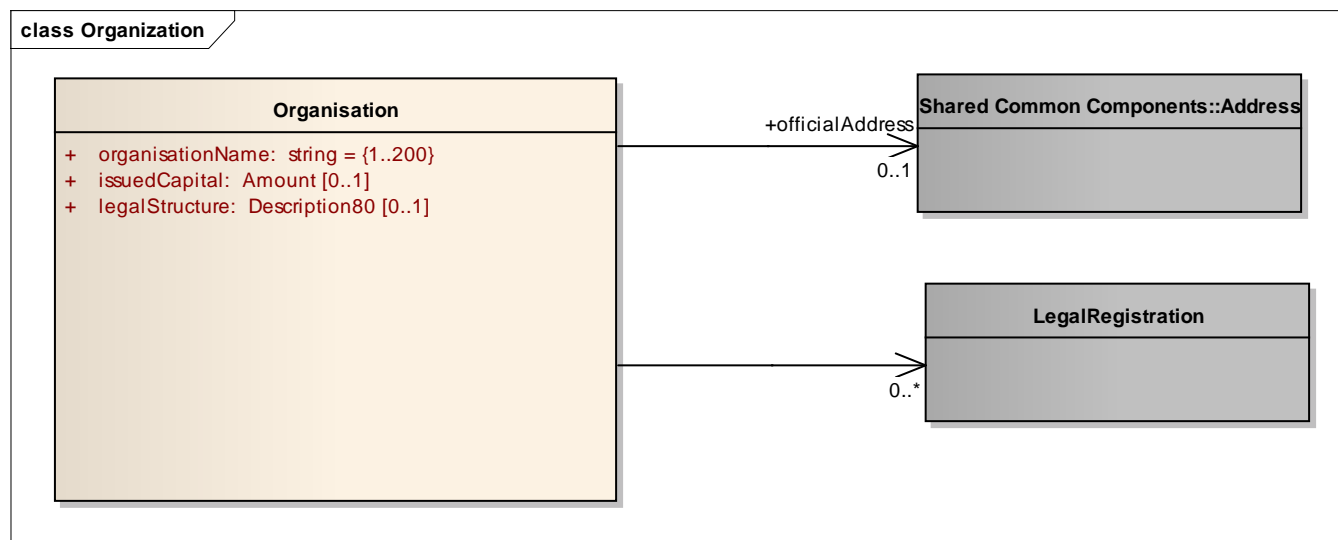
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderLogisticalInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
OrderLogisticalInformation					Provides identification of the locations of the parties dealing with the goods associated with the order, as well as the dates or date ranges associated with the order and the transportation of the shipment associated with the order.	
Association	shipFrom	TransactionalParty	0..1		Identifies the origin location from which goods will be shipped.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association		OrderLogisticalDateInformation	0..1		Contains the choices to select various types of dates or date ranges associated to the order.	
Association	ultimateConsignee	TransactionalParty	0..1		Identifies the final destination location to which goods will be shipped.	
Association	inventoryLocation	TransactionalParty	0..1		Identifies the location of merchandise or stock on hand.	
Association		ShipmentTransportationInformation	0..1		Provides information on the means of transportation or carrier associated with the order.	
Association	shipTo	TransactionalParty	0..1		Identifies the destination location to which goods will be shipped.	

4.2.27. Organisation

Class Diagram



GDD Report

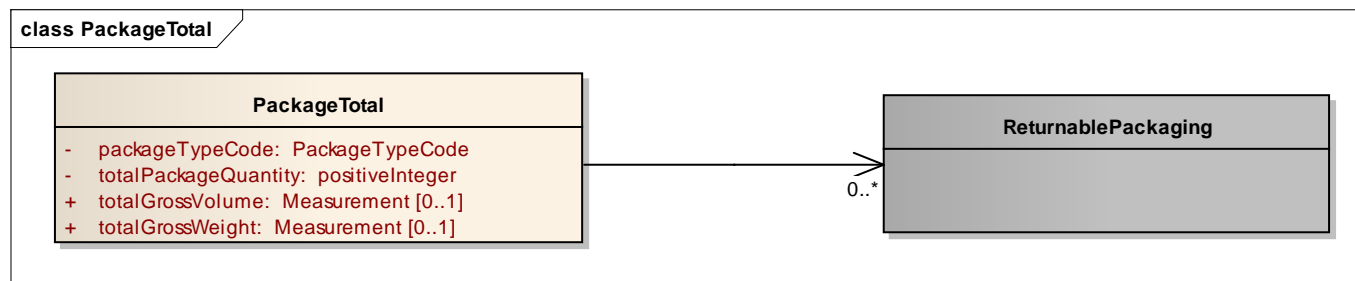
The content of the: Organisation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:Organisation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Organisation					An entity pursuing collective goals, such as a business, government body, department, charity, or financial institution.	
Association		LegalRegistration	0..*		The registration details of the organisation in a particular legal register.	
Association	officialAddress	Address	0..1		The address where the organisation is officially based.	
Attribute	organisationName	string	1..1		The official name of the organisation.	
Attribute	issuedCapital	Amount	0..1		The amount of the issued capital of the organisation.	
Attribute	legalStructure	Description80	0..1		Description of the type of legal structure of the organisation.	

4.2.28. Package Total

Class Diagram



GDD Report

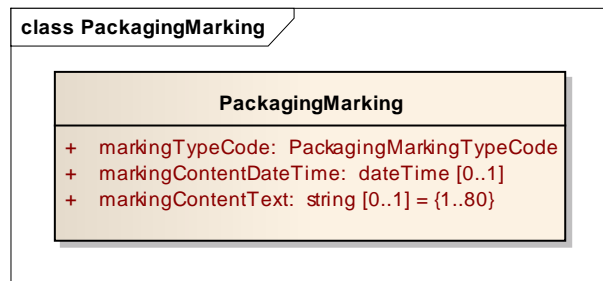
The content of the: PackageTotal class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PackageTotal

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PackageTotal					Aggregated information for a specific package type.	
Association		ReturnablePackaging	0..*		Provides detailed information for the administration of returnable packaging.	
Attribute	packageTypeCode	PackageTypeCode	1..1		The code specifying the type of logistics package.	
Attribute	totalPackageQuantity	positiveInteger	1..1		The total number of units of this package type.	
Attribute	totalGrossVolume	Measurement	0..1		A measure of the gross volume normally calculated by multiplying the maximum length, width, and height of this package type;BRAD CON15, SHM15	
Attribute	totalGrossWeight	Measurement	0..1		A measure of the gross weight (mass) of this package which includes the weight of packaging but which excludes the weight of any transport equipment.;CON14	

4.2.29. Packaging Marking

Class Diagram



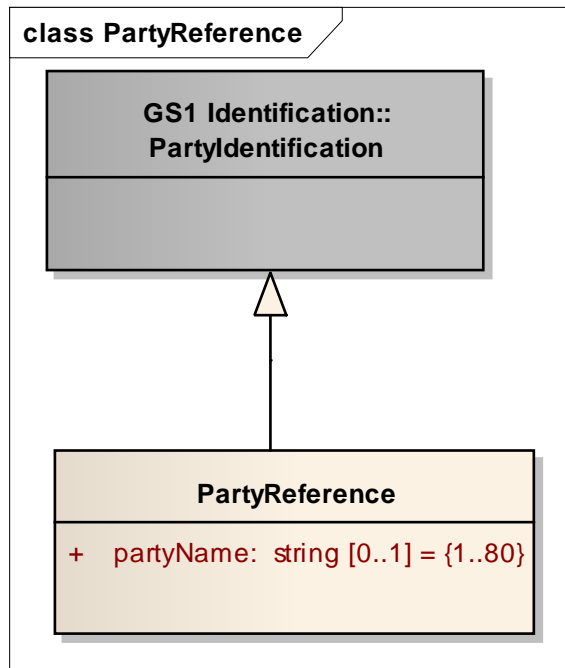
GDD Report

The content of the: PackagingMarking class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PackagingMarking

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PackagingMarking					Textual or bar-coded information that is physically present on the packaging. This information can be about either the contents of the package e.g. best before date or the packaging e.g. Recycling characteristics.	
Attribute	markingTypeCode	PackagingMarkingTypeCode	1..1		The code specifying the type of marking on the package for example batch number.	
Attribute	markingContentDateTime	dateTime	0..1		The value as printed on the packaging, specified as date time value.	
Attribute	markingContentText	string	0..1		The value as printed on the packaging, specified as text.	

4.2.30. Party Reference

Class diagram



GDD report

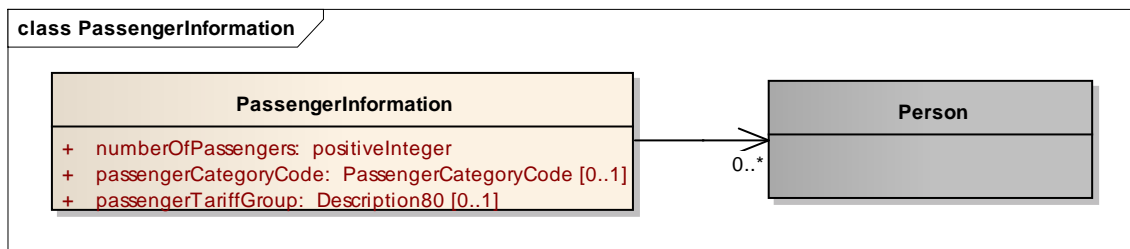
The content of the: PartyReference class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PartyReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PartyReference					Name and identification details of a party.	
Generalization		PartyIdentification			The identification of the referenced party.	
Attribute	partyName	string	0..1		The name of the referenced party.	

4.2.31. Passenger Information

Class Diagram



GDD Report

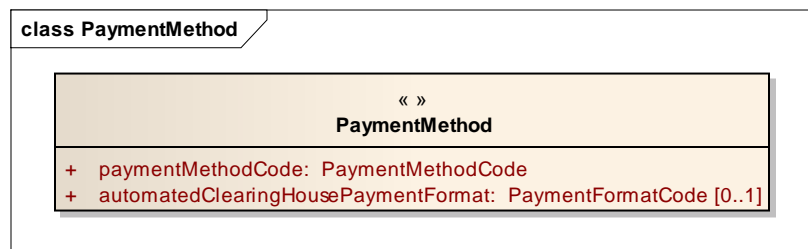
The content of the: PassengerInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PassengerInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PassengerInformation					Information on persons being transported.	
Association		Person	0..*		Information on the individual persons travelling as passengers.	
Attribute	numberOfPassengers	positiveInteger	1..1		The number of persons being transported.	
Attribute	passengerCategoryCode	PassengerCategoryCode	0..1		Code specifying the role, function or other main characteristic categorizing the type of passenger.	
Attribute	passengerTariffGroup	Description80	0..1		Text describing the tariff group of the transported passengers.	

4.2.32. Payment Method

Class Diagram



GDD Report

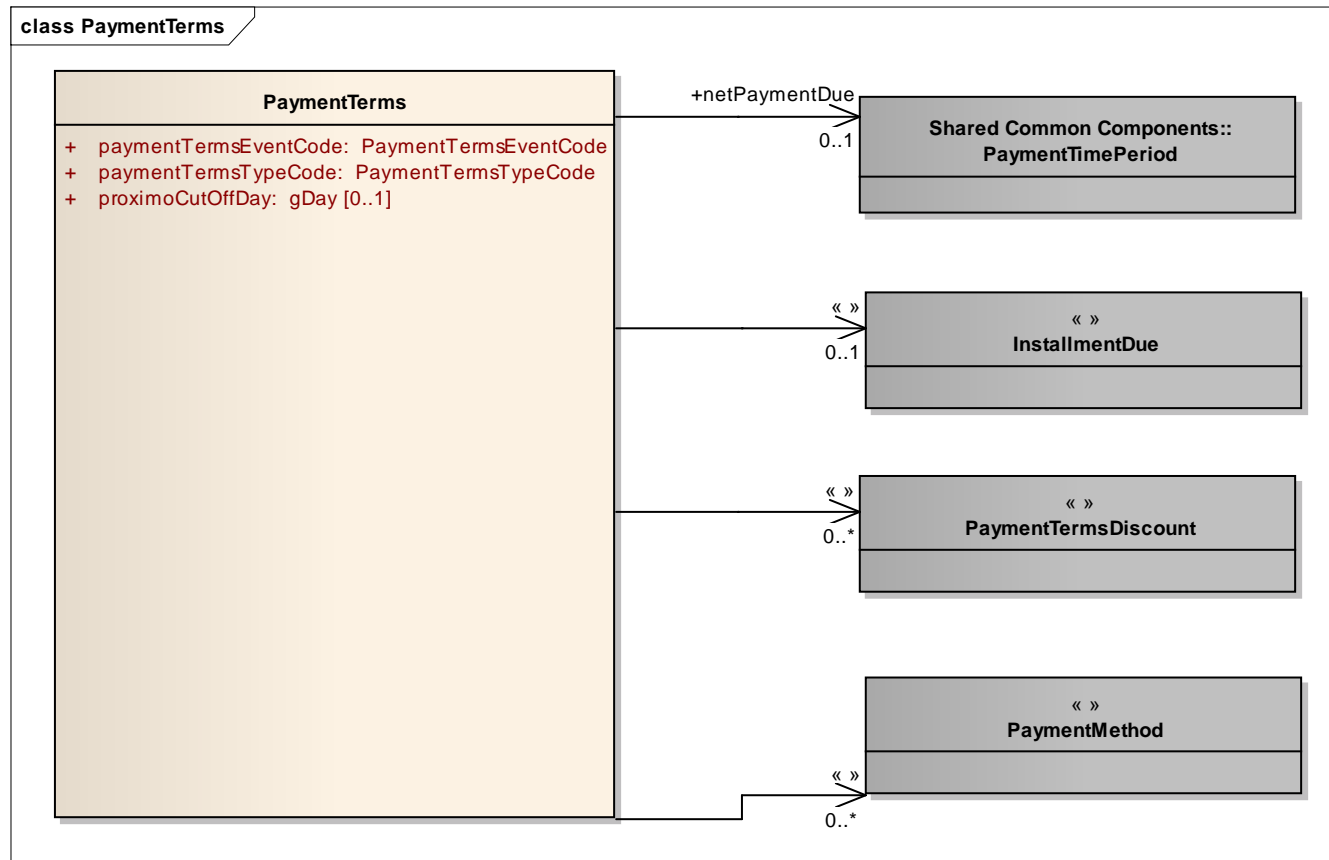
The content of the: PaymentMethod class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PaymentMethod

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PaymentMethod					Provides information on the means of payment.	
Attribute	paymentMethodCode	PaymentMethodCode	1..1		A predefined list that identifies a means of payment. For example cheque, bankers draft, credit card, etc..	
Attribute	automatedClearingHousePaymentFormat	PaymentFormatCode	0..1		A code specifying the format used when a payment is made through an automated clearing house.	

4.2.33. Payment Terms

Class Diagram



GDD Report

The content of the: PaymentTerms class, its structure and component definitions can be accessed in the Global Data Dictionary:

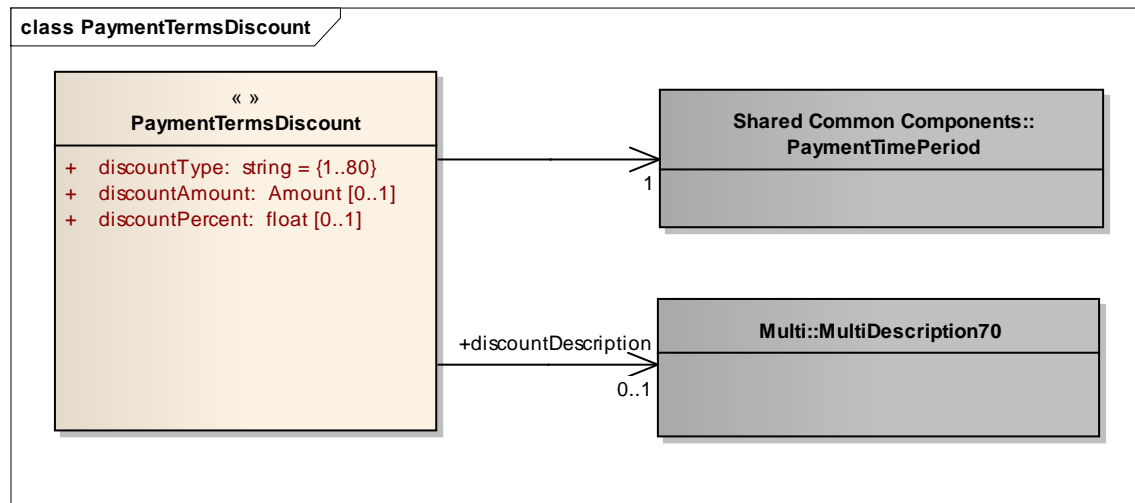
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PaymentTerms

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PaymentTerms					Terms and conditions by which a payment has been or will be made.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Association		InstallmentDue	0..1		Information on how the amount to be paid will be split into multiple parts.	
Association		PaymentTermsDiscount	0..*		Additional information on discounts that may be applied to the payment depending on the way the payment is being made for example - 2 percent in 10 days, net 30 -.	
Association		PaymentMethod	0..*		The payment method used in the payment terms..	
Association	netPaymentDue	PaymentTimePeriod	0..1		A time period specifying when the payment is due.	
Attribute	paymentTermsEventCode	PaymentTermsEventCode	1..1		A code providing the event used as the basis to determine the payment dates, for example RECEIPT_OF_GOODS	
Attribute	paymentTermsTypeCode	PaymentTermsTypeCode	1..1		The type of payment term expressed as a code, for example DISCOUNT.	
Attribute	proximoCutOffDay	gDay	0..1		The day of the month the payment becomes due.	

4.2.34. Payment Terms Discount

Class Diagram



GDD Report

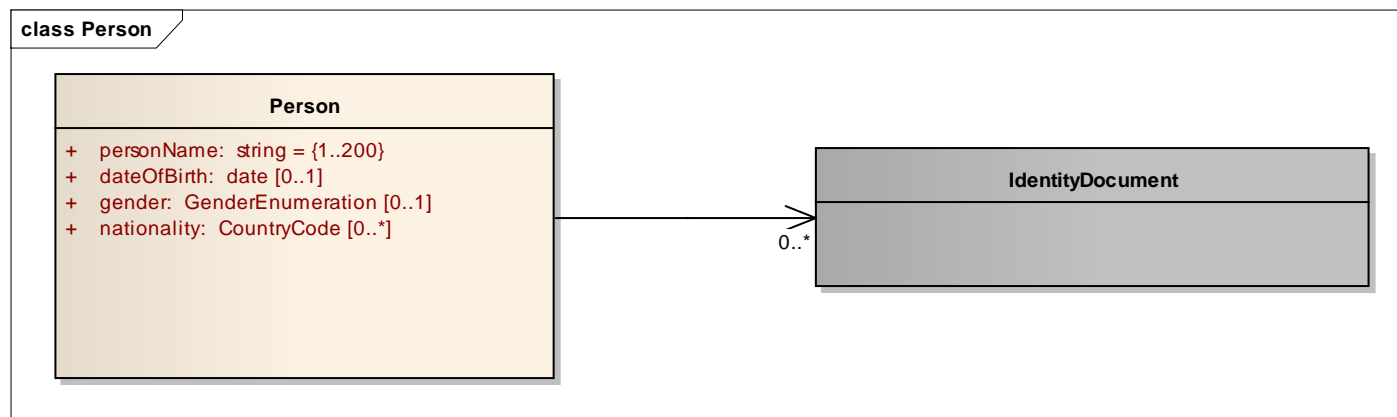
The content of the: PaymentTermsDiscount class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:PaymentTermsDiscount

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
PaymentTermsDiscount					Information on a discount specified in a payment term. Information on discounts that may be applied to the payment depending on the way the payment is being made for example "2 percent in 10 days, net 30".	
Association		PaymentTimePeriod	1		Information on a payment time period determining the applicability of the discount.	
Association	discountDescription	MultiDescription70	0..1		A text field describing the discount.	
Attribute	discountType	string	1..1		A string value that specifies the type of payment discount for example "2 percent in 10 days, net 30".	
Attribute	discountAmount	Amount	0..1		The deduction represented as an amount.	
Attribute	discountPercent	float	0..1		The deduction represented as a percentage.	

4.2.35. Person

Class Diagram



GDD Report

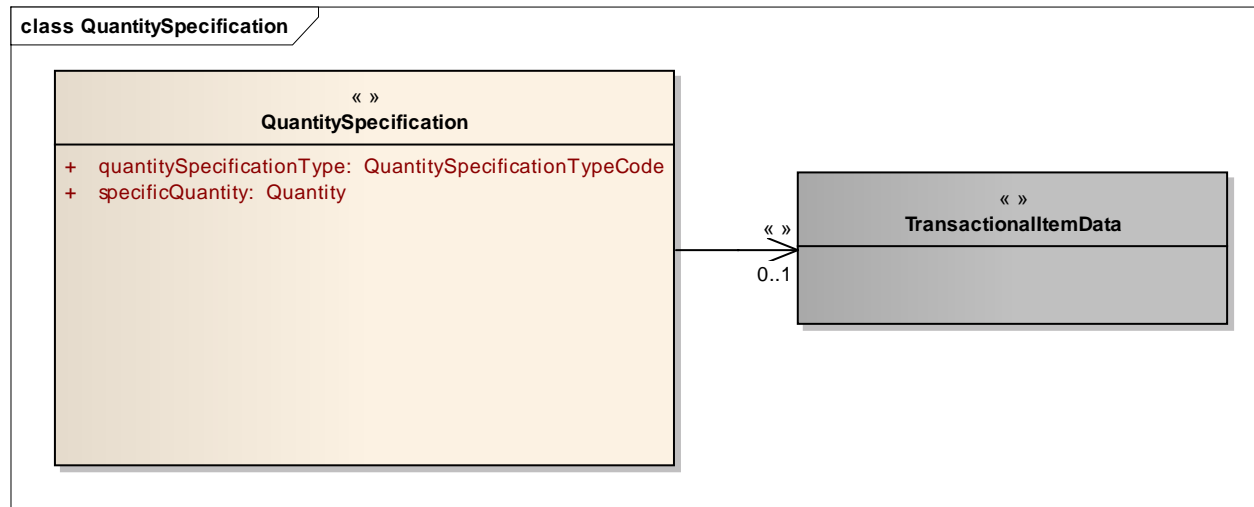
The content of the: Person class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:Person

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Person					A specific human being	
Association		IdentityDocument	0..*		Document, which may be used to verify aspects of this person's personal identity or of this person's relationship with an organisation. If issued in the form of a small, mostly standard-sized card, it is usually called an identity card (IC).	
Attribute	personName	string	1..1		Text used to identify the person, such as the family name and given name.	
Attribute	dateOfBirth	date	0..1		Calendar date on which the person was born.	
Attribute	gender	GenderEnumeration	0..1		Code specifying the sex of the person.	
Attribute	nationality	CountryCode	0..*		The status of belonging to a particular nation by birth or naturalization.	

4.2.36. Quantity Specification

Class Diagram



GDD Report

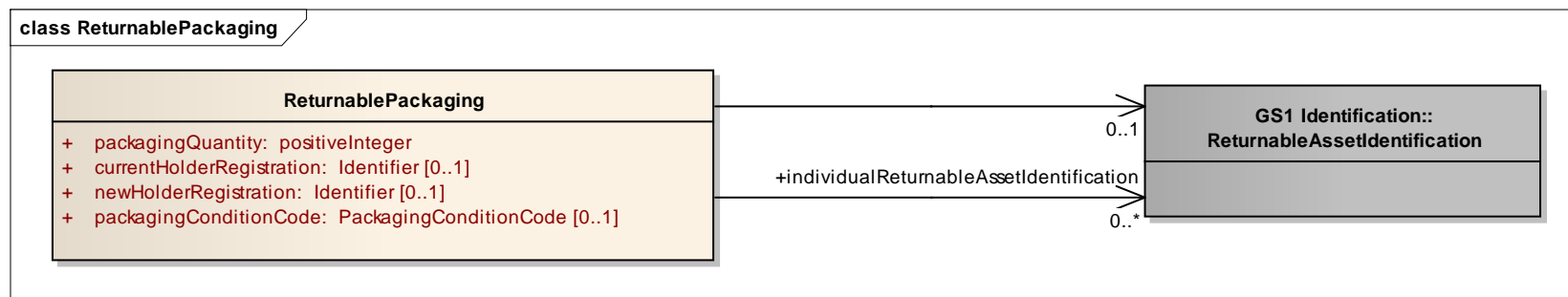
The content of the: QuantitySpecification class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:QuantitySpecification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
QuantitySpecification					Information specifying details about goods planned to be produced and or delivered.	
Association		TransactionalItemData	0..1		Dynamic characteristics used to specify individual instances of a trade item, such as the best before date, batch number or serial number.	
Attribute	quantitySpecificationType	QuantitySpecificationTypeCode	1..1		Code specifying the type of planning information that is being provided.	
Attribute	specificQuantity	Quantity	1..1		Quantity of goods planned to be delivered or produced.	

4.2.37. Returnable Packaging

Class Diagram



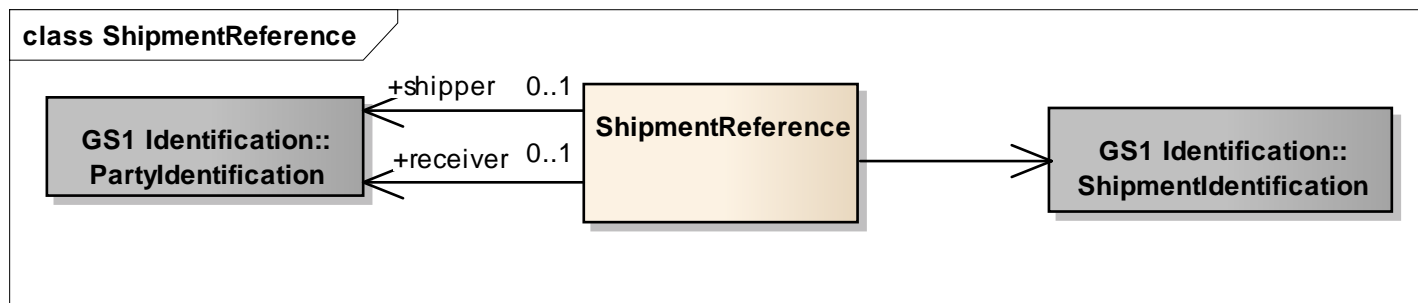
GDD Report

The content of the: ReturnablePackaging class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ReturnablePackaging

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
ReturnablePackaging					Provides detailed information for the administration of returnable packaging.	
Association	individualReturnableAssetIdentification	ReturnableAssetIdentification	0..*		The returnable asset identifier for an individual piece of returnable packaging.;WR12-199	
Association		ReturnableAssetIdentification	0..1		Information used to identify the returnable packaging.	
Attribute	packagingQuantity	positiveInteger	1..1		The number of packaging units (that are returnable)	
Attribute	currentHolderRegistration	Identifier	0..1		Identification of the current administrative holder of the returnable packaging.	
Attribute	newHolderRegistration	Identifier	0..1		Identification of the party the returnable packaging is being transferred to.	
Attribute	packagingConditionCode	PackagingConditionCode	0..1		Code specifying the quality status of the returnable packaging.	

4.2.38. Shipment Reference

Class Diagram



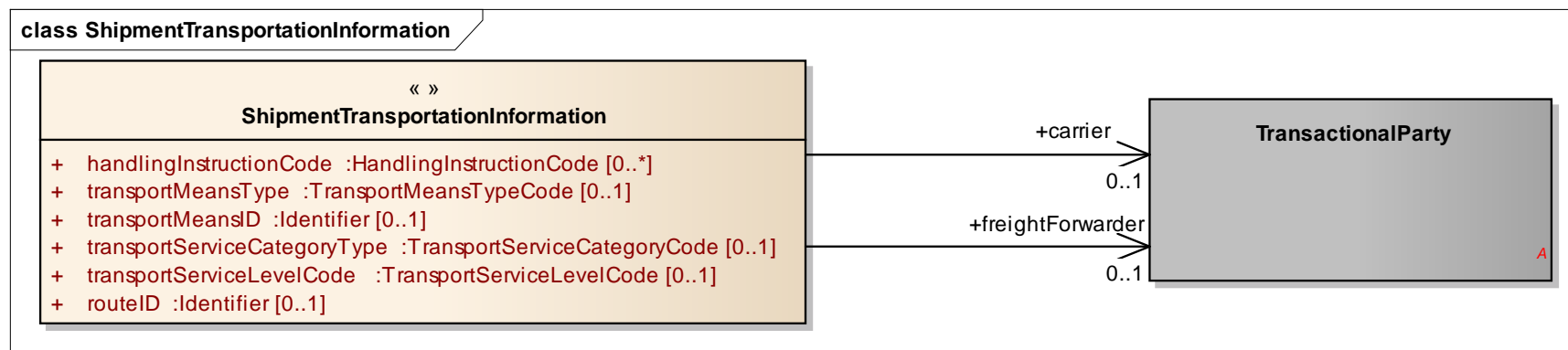
GDD Report

The content of the: ShipmentReference class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ShipmentReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
ShipmentReference					Reference to details of shipment.	
Association	receiver	PartyIdentification	0..1		A party who engages in receiving goods. In a commercial scenario this would be the customer.	
Association	shipper	PartyIdentification	0..1		A party who engages in shipping goods. In a commercial scenario this would be the supplier.	
Association		ShipmentIdentification	1		Information used to identify a shipment.	

4.2.39. Shipment Transportation Information

Class Diagram



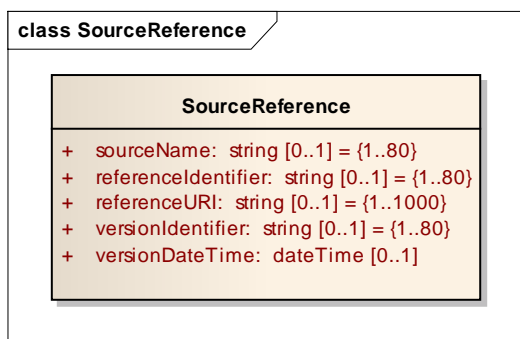
GDD Report

The content of the: ShipmentTransportationInformation class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ShipmentTransportationInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
ShipmentTransportationInformation					Detailed information on the transportation of a shipment.	
Association	freightForwarder	TransactionalParty	0..1		Party that arranges the carriage of goods including connected services and/or associated formalities on behalf of the shipper (consignor) or consignee.	
Association	carrier	TransactionalParty	0..1		Uniquely identifies the entity that transports the shipment.	
Attribute	handlingInstructionCode	HandlingInstructionCode	0..*		Code identifying handling instructions for this shipment, such as where or how specified packages or containers are to be loaded on a means of transport. Handling instructions can include haulage/ pickup and or delivery instruction/ temperature/humidity instructions	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	transportMeansType	TransportMeansTypeCode	0..1		Code identifying the means of transport: the type of vehicle, aircraft, vessel or other device used for the transport of goods. The means of transport has a means of locomotion.	
Attribute	transportMeansID	Identifier	0..1		Vehicle license plate/Aircraft number identifying a means of transport	
Attribute	transportServiceCategoryType	TransportServiceCategoryCode	0..1		A code specifying a type of category for this transport service.	
Attribute	transportServiceLevelCode	TransportServiceLevelCode	0..1		Code specifying the service level required for the transport of the shipment.	
Attribute	routeID	Identifier	0..1		Unique identifier of the standard route that will be used for this transport movement	

Class Diagram



GDD Report

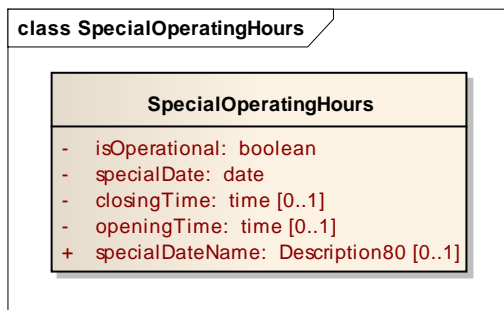
The content of the: SourceReference class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:SourceReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
SourceReference					Reference to an external system containing the source data for a certain piece of exchanged information.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	sourceName	string	0..1		A text identifying an external source (such as a database).	
Attribute	referenceIdentifier	string	0..1		A reference or identifier to information within an external source. For example the unique key of a database record where the information is stored.	
Attribute	referenceURI	string	0..1		Simple text string that identifies the name of the reference or the location of the reference on the Internet.	
Attribute	versionIdentifier	string	0..1		Number or string identifying the version of the referenced source.	
Attribute	versionDateTime	dateTime	0..1		Date and time identifying the version of the referenced source.	

4.2.40. Special Operating Hours

Class Diagram



GDD Report

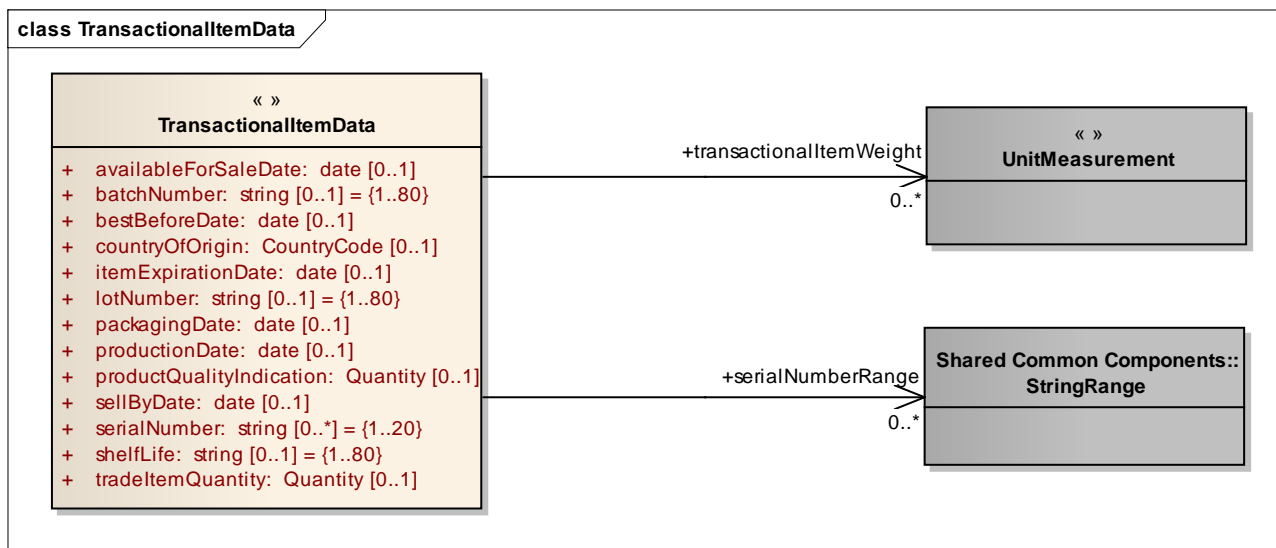
The content of the: SpecialOperatingHours class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:SpecialOperatingHours

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
SpecialOperatingHours					The period during which a business or facility is operational on special days, such as holidays.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	isOperational	boolean	1..1		Indicator specifying whether or not the business or facility is operational on the specified day.	
Attribute	specialDate	date	1..1		Date specifying the day to which the special operating hours apply.	
Attribute	closingTime	time	0..1		Time on which the business or facility will close on the specified day.	
Attribute	openingTime	time	0..1		Time on which the business or facility will open on the specified day.	
Attribute	specialDateName	Description80	0..1		Text describing the day to which the special operating hours apply. Example: Christmas.	

4.2.41. Transactional Item Data

Class Diagram



GDD Report

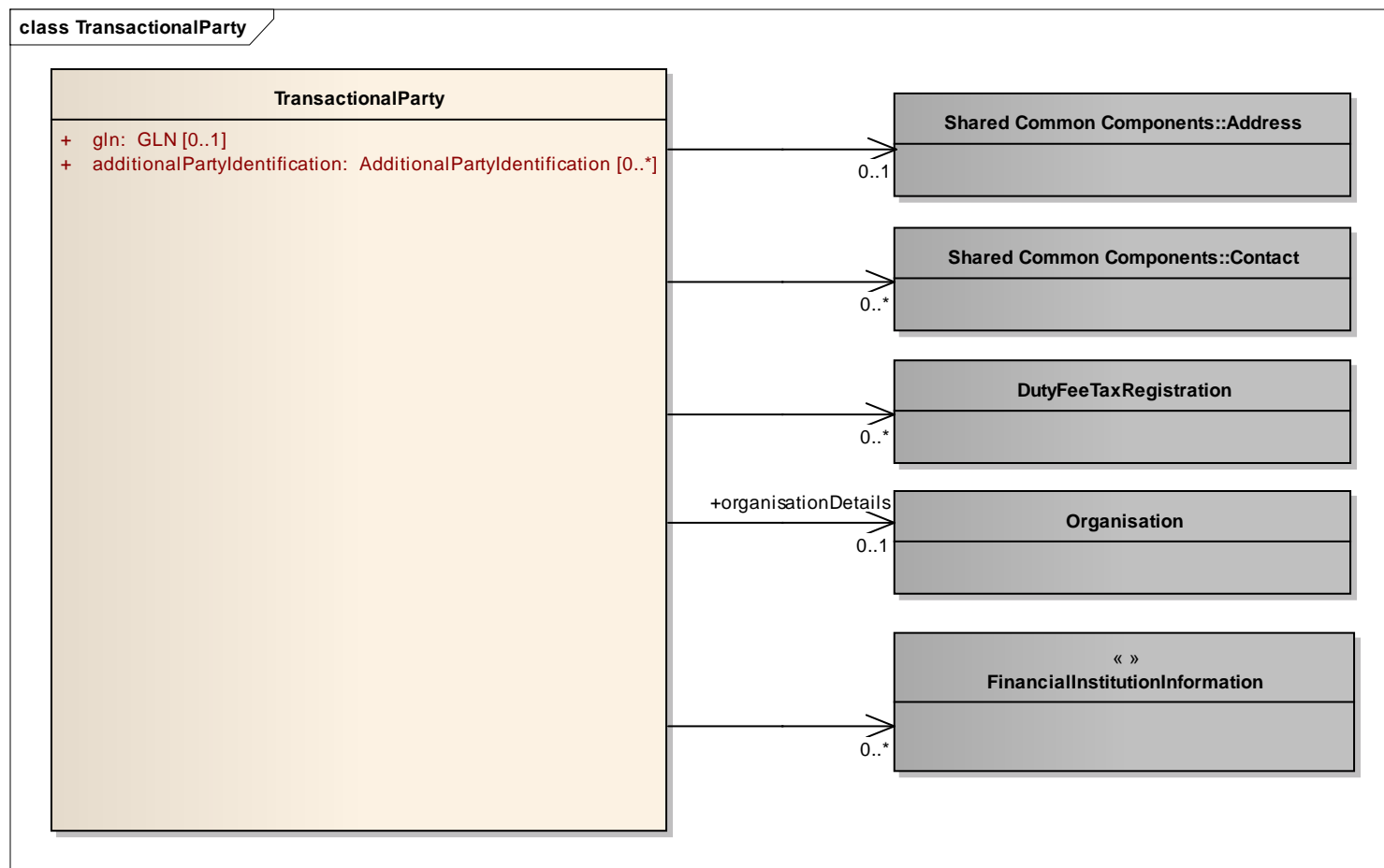
The content of the: TransactionalItemData class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransactionalItemData

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransactionalItem Data					Dynamic characteristics used to specify individual instances of a trade item, such as the best before date, batch number or serial number.	
Association	transactionalItemWeight	UnitMeasurement	0..*		Information on the weight of the specified items.	
Association	serialNumberRange	StringRange	0..*		The minimum and maximum value of one or more ranges of serial numbers related to the specified items.	
Attribute	availableForSaleDate	date	0..1		The date the item is available for sale.	
Attribute	batchNumber	string	0..1		A batch unites products or items that have undergone or are grouped together to undergo the same transformation process, not necessarily a production process.	
Attribute	bestBeforeDate	date	0..1		The date before which the product is best used or consumed. It is a statement about quality.	
Attribute	countryOfOrigin	CountryCode	0..1		Country from which the goods are supplied.	
Attribute	itemExpirationDate	date	0..1		The date after which the product should not be used or consumed. Its meaning is determined based on the trade item context (e.g., for food, the date will indicate the possibility of a direct health risk resulting from use of the product after the date, for pharmaceutical products, it will indicate the possibility of an indirect health risk resulting from the ineffectiveness of the product after the date). It is often referred to as "use by date" or "maximum durability date."	
Attribute	lotNumber	string	0..1		A distinctive combination of numbers and/or letters from which the complete history of the manufacture, processing, packaging, coding and distribution of a batch can be determined.	
Attribute	packagingDate	date	0..1		The date on which the packaging of a product took place.	
Attribute	productionDate	date	0..1		The date that the product was produced.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	productQualityIndication	Quantity	0..1		Value used to indicate the quality, such as grade or strength, of a specific batch of products.	
Attribute	sellByDate	date	0..1		The date before or on which, the product should be sold.	
Attribute	serialNumber	string	0..*		A unique identifier assigned to a specific trade item.	
Attribute	shelfLife	string	0..1		The length of time a material, substance, product, or reagent can be stored under specified environmental conditions and continue to meet all applicable specification requirements and/or remain suitable for its intended function.	
Attribute	tradeItemQuantity	Quantity	0..1		The total number of individual trade items being specified.	

4.2.42. Transactional Party

Class Diagram



Important: Use of the GLN is mandatory in B2B scenarios.

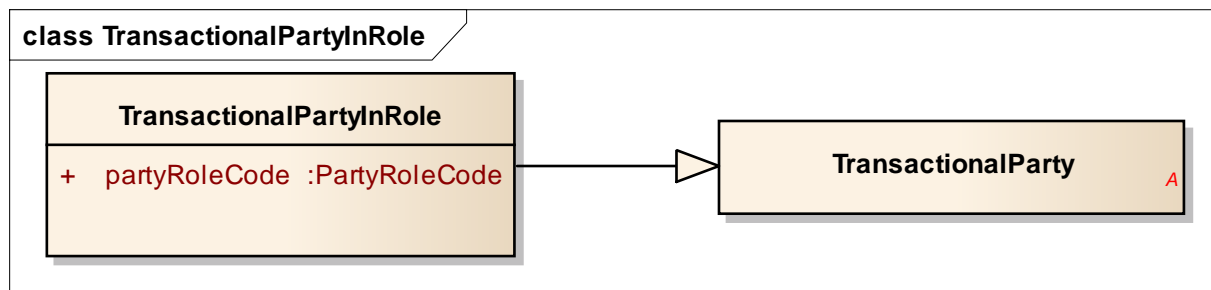
GDD Report

The content of the: TransactionalParty class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransactionalParty

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransactionalParty					Identification of and additional information about a party involved in a business transaction.	
Association		Address	0..1		Address of the party involved in the business transaction.	
Association		FinancialInstitutionInformation	0..*		Information on the financial institution(s) where the party holds an account.	
Association		DutyFeeTaxRegistration	0..*		Information about the registration for a particular duty, tax or fee, for the party involved in the business transaction.	
Association	organisationDetails	Organisation	0..1		Information about the organisation of the party involved in the business transaction.	
Association		Contact	0..*		Information about the contact for the party involved in the business transaction.	
Attribute	gln	GLN	0..1		The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.	
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*		Identification of a party by use of a code other than the Global Location Number.	

4.2.43. Transactional Party In Role

Class Diagram



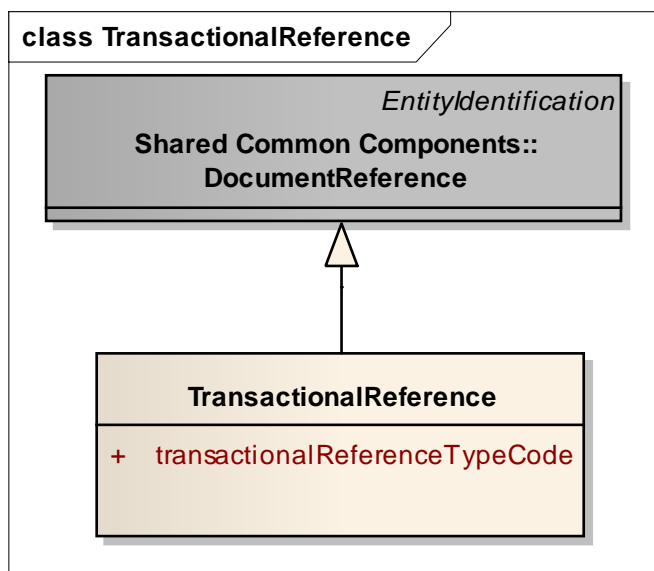
GDD Report

The content of the: TransactionalPartyInRole class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransactionalPartyInRole

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransactionalPartyInRole					The identification of a party, by GLN, in a specific party role.	
Generalization		TransactionalParty				
Attribute	partyRoleCode	PartyRoleCode	1..1		A code that identifies the role of a party in a business transaction.	

4.2.44. Transactional Reference

Class Diagram



GDD Report

The content of the: TransactionalReference class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransactionalReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransactionalReference					Reference to associated information in support of related business processes. E.g. a purchase order, a return authorization number.	New class added in MR3 to replace some uses of TypedEntityIdentification
Generalization		DocumentReference				

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	transactionalReferenceTypeCode		1..1		Code specifying the type of reference.	

4.2.45. Transactional Trade Item

Class Diagram

class TransactionalTradelItem
GS1 Identification::TradelItemIdentification
TransactionalTradelItem

```

+ tradelItemQuantity :Quantity [0..1]
+ tradelItemDescription :Description200 [0..1]
+ productVariantIdentifier :string [0..1] = {1..80}
+ itemTypeCode :ItemTypeCode [0..1]

```

0..*

« »
TransactionalItemData

0..*

Shared Common Components::Colour

0..*

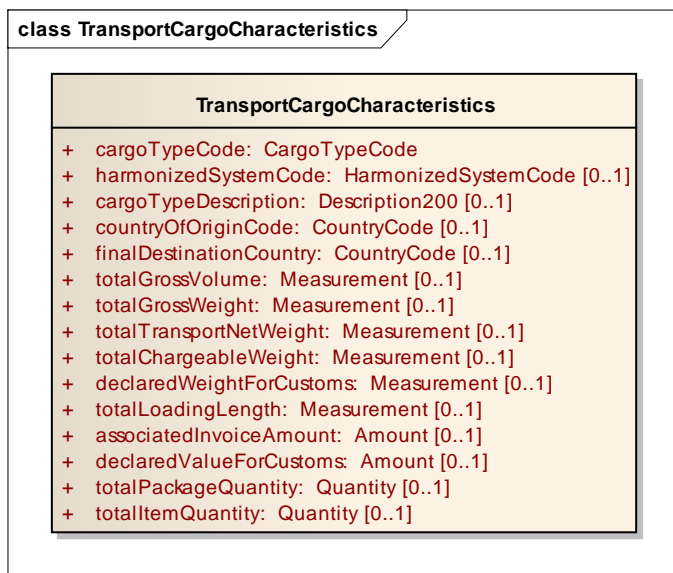
« »
Shared Common Components::Size
GDD Report

The content of the: TransactionalTradeItem class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransactionalTradeItem

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransactionalTradeItem					A <u>trade item</u> is any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, or ordered, or invoiced at any point in any supply chain.	
Association		Size	0..*		The physical dimensions or proportions of the transactional trade item depicted as a code or a description.	
Association		TransactionalItemData	0..*		Dynamic characteristics used to specify individual instances of the trade item, such as the best before date, batch number or serial number.	
Association		Colour	0..*		Information specifying the colour of the trade item.	
Generalization		TradeItemIdentification				
Attribute	tradeItemQuantity	Quantity	0..1		Specification of the number of units of the trade item. To be applied when no other quantity information, such as the requested quantity or the billed quantity, is present.	
Attribute	tradeItemDescription	Description200	0..1		Textual description of the trade item.	
Attribute	productVariantIdentifier	string	0..1		Text identifying a variant of the product, for example for promotional reasons.	
Attribute	itemTypeCode	ItemTypeCode	0..1		Code specifying the trade item type.	

4.2.46. Transport Cargo Characteristics

Class Diagram



GDD Report

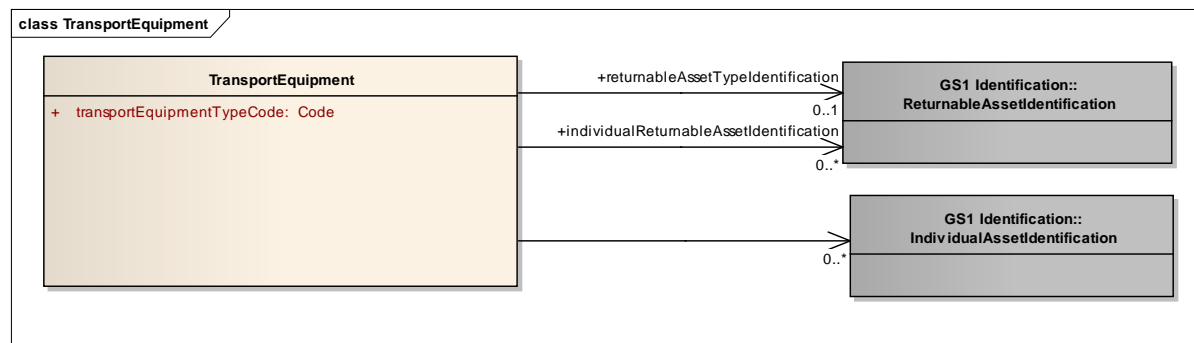
The content of the: TransportCargoCharacteristics class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportCargoCharacteristics

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportCargoCharacteristics					Information on a load of goods being transported.	
Attribute	cargoTypeCode	CargoTypeCode	1..1		Code specifying the classification of a type of cargo for example hazardous cargo.	
Attribute	harmonizedSystemCode	HarmonizedSystemCode	0..1		Code specifying the cargo according to the Harmonised Commodity Description and Coding System (HS) of tariff nomenclature, developed and maintained by the World Customs Organization (WCO)	
Attribute	cargoTypeDescription	Description200	0..1		Free text specifying the classification of a type of cargo.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	countryOfOriginCode	CountryCode	0..1		The country where this transport cargo has been manufactured.	
Attribute	finalDestinationCountry	CountryCode	0..1		The country considered to be the final destination for this transport cargo, for regulatory compliance purposes.	
Attribute	totalGrossVolume	Measurement	0..1		A measure of the volume, normally calculated by multiplying the maximum length, width, and height of the packaged goods.	
Attribute	totalGrossWeight	Measurement	0..1		A measure of the mass of the goods including the weight of transport packaging, and potentially the weight of any transport equipment.	
Attribute	totalTransportNetWeight	Measurement	0..1		A measure of the mass of the goods excluding the weight of transport packaging and excluding the weight of any transport equipment.	
Attribute	totalChargeableWeight	Measurement	0..1		Measure of the weight on which freight charges may be calculated for this transport cargo.	
Attribute	declaredWeightForCustoms	Measurement	0..1		Measure of the weight of the goods for customs declaration purposes.	
Attribute	totalLoadingLength	Measurement	0..1		Measure of the total length the goods occupy in a transport means / on a piece of transport equipment. E.g. Loading meters in a truck or trailer	
Attribute	associatedInvoiceAmount	Amount	0..1		The commercial value of the cargo	
Attribute	declaredValueForCustoms	Amount	0..1		The monetary value declared for customs purposes for this transport cargo	
Attribute	totalPackageQuantity	Quantity	0..1		Total number of logistic units (e.g. pallets) in this transport cargo.	
Attribute	totalItemQuantity	Quantity	0..1		The number of trade items on which freight charges may be calculated for this transport cargo.	

4.2.47. Transport Equipment

Class Diagram



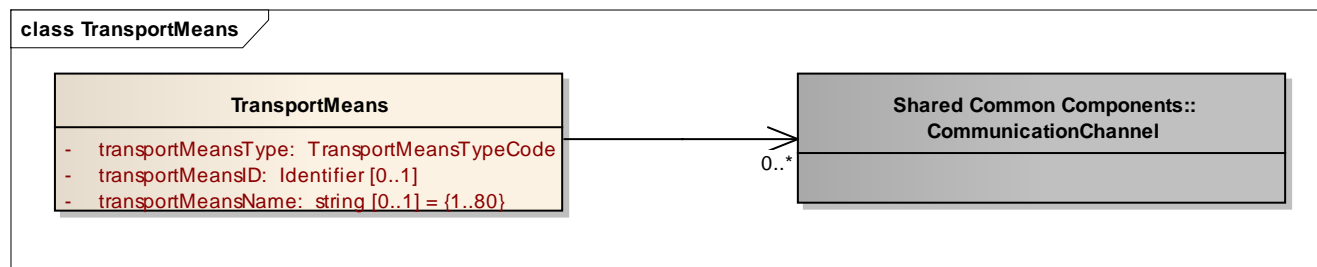
GDD Report

The content of the: TransportEquipment class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportEquipment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportEquipment					<u>Transport equipment</u> is a piece of equipment used to hold, protect or secure cargo for logistics purposes. Transport Equipment is to be moved using Transport Means.	
Association		IndividualAssetIdentification	0..*		The individual asset identifier for an individual piece of transport equipment.	
Association	returnableAssetTypeIdentification	ReturnableAssetIdentification	0..1		The returnable asset identifier for the type of transport equipment.	
Association	individualReturnableAssetIdentification	ReturnableAssetIdentification	0..*		The returnable asset identifier for an individual piece of transport equipment.	
Attribute	transportEquipmentTypeCode	Code	1..1		Code specifying the transport equipment size and type. ;BRAD Transport Management TEQ1, TEQ2	

4.2.48. Transport Means

Class Diagram



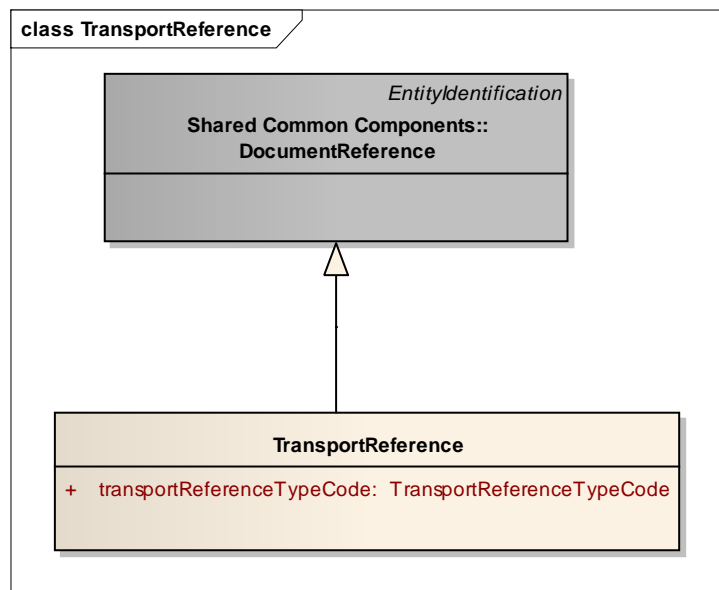
GDD Report

The content of the: TransportMeans class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportMeans

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportMeans					A transport means is a particular device (with its own engine/power) used to convey goods or other objects from place to place during logistics cargo movements.	
Association		CommunicationChannel	0..*		The channel or manner in which a communication can be made with the transport means. E.g. telephone or email.	
Attribute	transportMeansType	TransportMeansTypeCode	1..1		Code specifying the type of vehicle, aircraft, vessel or other device used for the transport of goods.	
Attribute	transportMeansID	Identifier	0..1		The unique identifier of a particular means of transport. E.g. A license plate number or vessel id.	
Attribute	transportMeansName	string	0..1		The name, expressed as text, of a particular means of transport. E.g. The vessel name.	

4.2.49. Transport Reference

Class Diagram



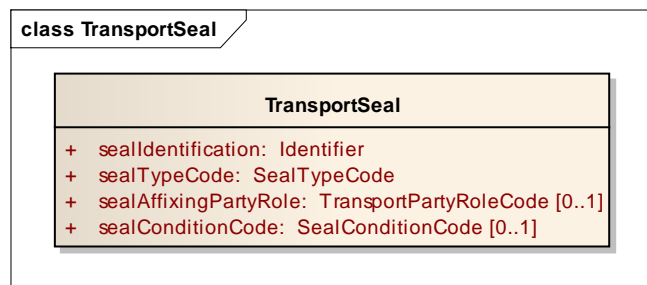
GDD Report

The content of the: TransportReference class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportReference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportReference					Reference to associated information in support of related business processes. E.g. a purchase order, a bank account number.	
Generalization		DocumentReference			Basic details identifying the referenced document or information.	
Attribute	transportReferenceTypeCode	TransportReferenceTypeCode	1..1		Code specifying the type of information that is being referred to.	

4.2.50. Transport Seal

Class Diagram



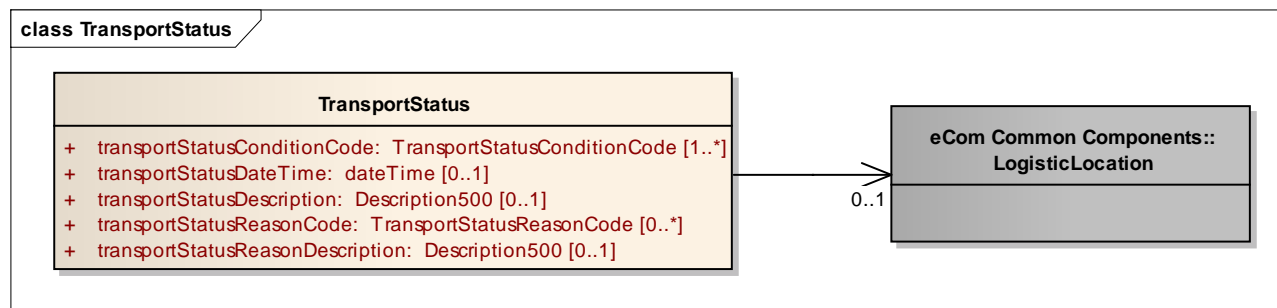
GDD Report

The content of the: TransportSeal class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportSeal

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportSeal					Information on the item attached to a piece of transport equipment used for closing and/or securing the cargo.	
Attribute	sealIdentification	Identifier	1..1		Provides the seal number or identification of the seal.	
Attribute	sealTypeCode	SealTypeCode	1..1		Code identifying the type of seal used on the cargo.	
Attribute	sealAffixingPartyRole	TransportPartyRoleCode	0..1		The code specifying the role of the party responsible for the sealing of this transport seal.	
Attribute	sealConditionCode	SealConditionCode	0..1		Code specifying the working condition of a seal. E.g. Damaged.	

4.2.51. Transport Status

Class Diagram



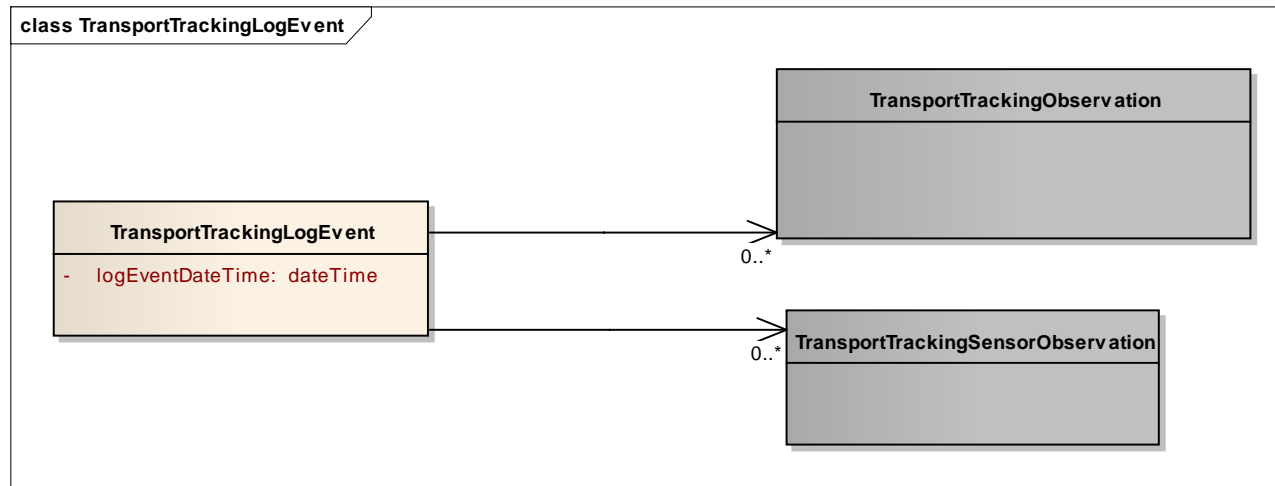
GDD Report

The content of the: TransportStatus class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatus

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportStatus					Information on the transport execution status.	
Association		LogisticLocation	0..1		A location related to the reported transport status.;BRAD TM TRS6	
Attribute	transportStatusConditionCode	TransportStatusConditionCode	1..*		The code specifying the transport status condition.;BRAD TM TRS1	
Attribute	transportStatusDateTime	dateTime	0..1		A date time that applies to the reported transport status.;BRAD TM TRS5	
Attribute	transportStatusDescription	Description500	0..1		The textual description of the transport status.;BRAD TM TRS2	
Attribute	transportStatusReasonCode	TransportStatusReasonCode	0..*		Code specifying the reason for the transport status;BRAD TM TRS3	
Attribute	transportStatusReasonDescription	Description500	0..1		A reason, expressed as text, for the transport status.;BRAD TM TRS4	

4.2.52. Transport Tracking Log Event

Class Diagram



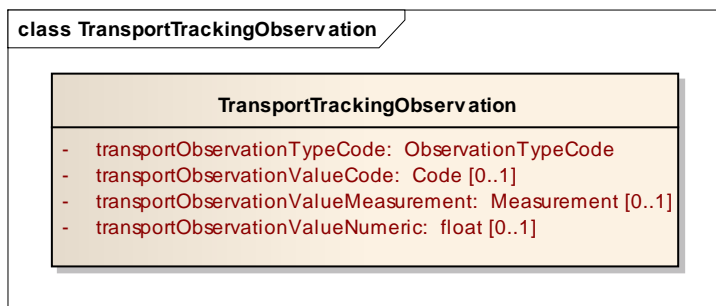
GDD Report

The content of the: TransportTrackingLogEvent class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportTrackingLogEvent

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportTrackingLogEvent					A <u>transport tracking log event</u> is a record of a significant occurrence or happening during transport.	
Association		TransportTrackingSensorObservation	0..*		Information on one or more observations grouped by sensor.	
Association		TransportTrackingObservation	0..*		Information on one or more observations.	
Attribute	logEventDateTime	dateTime	1..1		The date time of the recorded event.;BRAD TM TTL2	

4.2.53. Transport Tracking Observation

Class Diagram



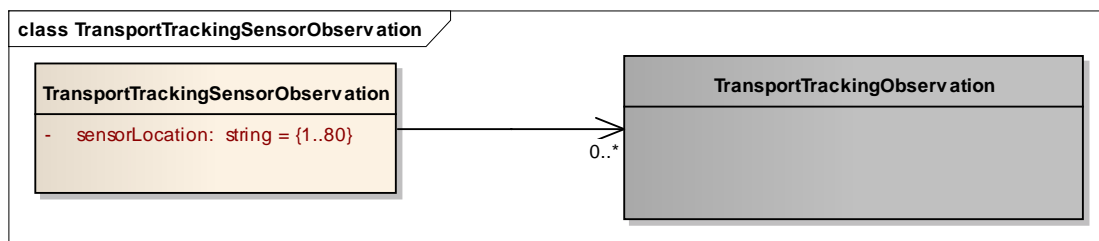
GDD Report

The content of the: TransportTrackingObservation class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportTrackingObservation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportTrackingObservation					An amount, size, or extent as established by measuring during transport.	
Attribute	transportObservationTypeCode	ObservationTypeCode	1..1		Code specifying the type of observation.;BRAD TM TTM	
Attribute	transportObservationValueCode	Code	0..1		Coded value of the observation.;BRAD TM TTM	
Attribute	transportObservationValueMeasurement	Measurement	0..1		Measurement value of the observation.;BRAD TM TTM	
Attribute	transportObservationValueNumeric	float	0..1		Numeric value of the observation.;BRAD TM TTM	

4.2.54. Transport Tracking Sensor Observation

Class Diagram



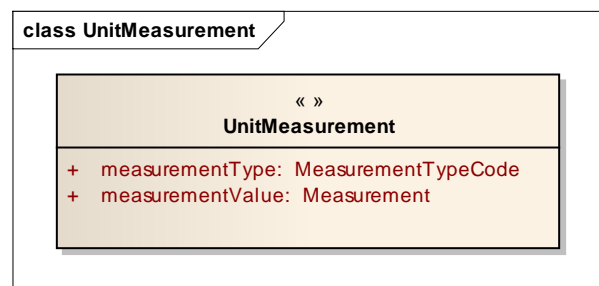
GDD Report

The content of the: **TransportTrackingSensorObservation** class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportTrackingSensorObservation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
TransportTrackingSensorObservation					Transport tracking observations grouped by the sensor reporting the observations.	
Association		TransportTrackingObservation	0..*		The observations reported by the sensor.	
Attribute	sensorLocation	string	1..1		Text specifying the location of the sensor. For example: rear door. ;BRAD TM TTS2	

4.2.55. Unit Measurement

Class Diagram



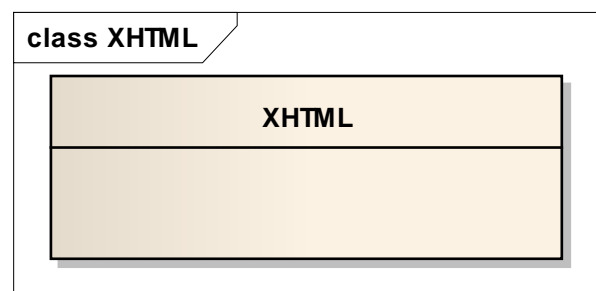
GDD Report

The content of the: UnitMeasurement class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:UnitMeasurement

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
UnitMeasurement					Information specifying the weight or volume of a unit.	
Attribute	measurementType	MeasurementTypeCode	1..1		Code specifying the type of measurement, for example "Gross Weight".	
Attribute	measurementValue	Measurement	1..1		Value of the attribute measured.	

4.2.56. XHTML

Class diagram



GDD report

The content of the: XHTML class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:XHTML

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
XHTML					Textual content formatted in the Extensible Hyper Text Markup Language (XHTML).	

4.3. Code Lists



Note: Refer to the Global Data Dictionary (GDD) for the code values.

Codelist	GDD Link
AdministrativeUnitTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:AdministrativeUnitTypeCode
AppointmentTimeMeasurementBasisTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:AppointmentTimeMeasurementBasisTypeCode
BusinessDocumentProcessingTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:BusinessDocumentProcessingTypeCode
CargoTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:CargoTypeCode
CreditReasonCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:CreditReasonCode
CustomsWarehouseStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:CustomsWarehouseStatusCode
DangerousGoodsAttributeTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DangerousGoodsAttributeTypeCode
DangerousGoodsRegulationCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DangerousGoodsRegulationCode
DebitCreditEnumeration	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DebitCreditEnumeration
DeliverDateTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DeliverDateTypeCode
DeliveryTimeMeasurementBasisTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DeliveryTimeMeasurementBasisTypeCode
DeliveryTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DeliveryTypeCode
DemandEstimationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DemandEstimationTypeCode
DutyFeeTaxTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:DutyFeeTaxTypeCode
EffectiveDateTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:EffectiveDateTypeCode
ErrorOrWarningCode	ErrorOrWarningCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl>ErrorOrWarningCode
FinancialAdjustmentReasonCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:FinancialAdjustmentReasonCode
ForecastPurposeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:ForecastPurposeCode
ForecastTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:ForecastTypeCode
GoodsReceiptReportingCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gsdd:cl:GoodsReceiptReportingCode

Codelist	GDD Link
HandlingInstructionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:HandlingInstructionCode
HarmonizedSystemCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:HarmonizedSystemCode
IdentityDocumentTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:IdentityDocumentTypeCode
InventoryStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InventoryStatusCode
InventorySubLocationFunctionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InventorySubLocationFunctionCode
InventorySubLocationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InventorySubLocationTypeCode
InvoiceTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InvoiceTypeCode
ItemScopeTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ItemScopeTypeCode
ItemTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ItemTypeCode
LegalRegistrationCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LegalRegistrationCode
LineItemActionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LineItemActionCode
LocationScopeParameterTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LocationScopeParameterTypeCode
LocationScopeTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LocationScopeTypeCode
LogisticEventTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LogisticEventTypeCode
LogisticServiceReferenceTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LogisticServiceReferenceTypeCode
LogisticServiceRequirementCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:LogisticServiceRequirementCode
MarginSchemeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MarginSchemeCode
MaterialTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MaterialTypeCode
MeasurementTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MeasurementTypeCode
ObservationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ObservationTypeCode
OrderInstructionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:OrderInstructionCode
OrderTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:OrderTypeCode

Codelist	GDD Link
OutOfStockMeasurementTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:OutOfStockMeasurementTypeCode
PackageLevelCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackageLevelCode
PackageTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackageTypeCode
PackagingConditionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackagingConditionCode
PackagingMarkingTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackagingMarkingTypeCode
PassengerCategoryCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PassengerCategoryCode
PaymentFormatCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PaymentFormatCode
PaymentTermsEventCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PaymentTermsEventCode
PerformanceMeasureTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PerformanceMeasureTypeCode
PeriodicityTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PeriodicityTypeCode
PlanBucketSizeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PlanBucketSizeCode
PlanCommitmentLevelCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PlanCommitmentLevelCode
PrintingInstructionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PrintingInstructionCode
PurchaseConditionsCommitmentTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PurchaseConditionsCommitmentTypeCode
QualityControlCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:QualityControlCode
QuantitySpecificationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:QuantitySpecificationTypeCode
ReceivingConditionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ReceivingConditionCode
RemainingQuantityStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:RemainingQuantityStatusCode
ResponseStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ResponseStatusCode
RevisionStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:RevisionStatusCode
SalesMeasurementTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SalesMeasurementTypeCode
SealConditionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SealConditionCode
SealTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SealTypeCode

Codelist	GDD Link
ServiceLevelBasisTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ServiceLevelBasisTypeCode
ServiceLevelMeasurementBasisTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ServiceLevelMeasurementBasisTypeCode
SettlementHandlingTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SettlementHandlingTypeCode
SettlementTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SettlementTypeCode
SpecialServiceTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SpecialServiceTypeCode
StockRequirementTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:StockRequirementTypeCode
StructureTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:StructureTypeCode
SymbolComponentCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SymbolComponentCode
SynchronisationCalculationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:SynchronisationCalculationTypeCode
TimePeriodScopeTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TimePeriodScopeTypeCode
TransactionalReferenceTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransactionalReferenceTypeCode
TransportInstructionStatusReasonCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportInstructionStatusReasonCode
TransportMeansTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportMeansTypeCode
TransportModeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportModeCode
TransportPartyRoleCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportPartyRoleCode
TransportPaymentMethodCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportPaymentMethodCode
TransportPlanningDateTypeEnumeration	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportPlanningDateTypeEnumeration
TransportReferenceTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportReferenceTypeCode
TransportServiceCategoryCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportServiceCategoryCode
TransportServiceConditionTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportServiceConditionTypeCode
TransportServiceLevelCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportServiceLevelCode
TransportStatusConditionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportStatusConditionCode
TransportStatusReasonCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:TransportStatusReasonCode

Codelist	GDD Link
UNLocationCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:UNLocationCode
VarianceReasonCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:VarianceReasonCode
WarehouseABCClassificationCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:WarehouseABCClassificationCode

5. Business Message Examples

Not applicable

6. Implementation Considerations

Not applicable

7. Summary of Changes

Any change in the GS1 standards is done based on the Work Request (WR) submitted by the GS1 User Companies or Member Organisations. All Work Requests are documented in the Work Request system available on the GS1 website: <http://wr.gs1.org>. The system is accessible to registered users. New visitors need to register first, to be able to access it. WRs can be searched by the number referenced in tables below, see: Search Work Requests. The number starts with the two last digits of the year when it was submitted, followed by the consecutive number within that year.

 **Note:** WRs submitted earlier than February 2012 should be searched in Old Change Requests.

7.1. BMS Release 3.0

Changes	BMS Doc Version
<p>BMS Public review:</p> <ul style="list-style-type: none"> changed definition of tradeItemQuantity in TransactionalTradeItem. Also updated the GDD report, since it had 1..1 instead of 0..1 as multiplicity. The class diagram was correct. Made cardinality of LogisticUnitIdentification in LogisticUnits 0..1 instead of 1..1. Added new code data type: DeliveryTypeCode Added new code list: DeliveryTypeCode. Added new code value PENDING to code list LineItemActionCode. Added role name deliveryTermsLocation to association DeliveryTerms → LogisticLocation 	1.0.0
<p><u>Added classes:</u></p> <ul style="list-style-type: none"> InvoiceDocumentReference PartyReference SourceReference TransactionalReference XHTML <p><u>Added data types:</u></p> <ul style="list-style-type: none"> DataCarrierTypeCode DebitCreditEnumeration FinancialAdjustmentReasonCode GDTI InventoryActivityTypeCode 	1.1.0 (GS1 eCom Domain increment 1)

Changes	BMS Doc Version
<ul style="list-style-type: none"> InventoryMovementTypeCode MaterialTypeCode PlanBucketSizeCode SettlementAdjustmentReferenceTypeCode SettlementHandlingTypeCode StockRequirementTypeCode StructureTypeCode SymbolComponentCode TradeitemUnitDescriptorCode TransactionalReferenceTypeCode TransportPlanningDateTypeEnumeration <p>Added codelists:</p> <ul style="list-style-type: none"> DataCarrierTypeCode DebitCreditEnumeration FinancialAdjustmentReasonCode InventoryActivityTypeCode InventoryMovementTypeCode MaterialTypeCode PlanBucketSizeCode SettlementHandlingTypeCode StockRequirementTypeCode StructureTypeCode SymbolComponentCode TradeitemUnitDescriptorCode TransactionalReferenceTypeCode TransportPlanningDateTypeEnumeration 	
Removed data type and code list for SettlementAdjustmentReferenceTypeCode	1.1.0 (23-nov-2011)
<p>For Publication</p> <ul style="list-style-type: none"> Added Copyright R in GS1 Logo Changed Status to Approved Removed year reference in footer copyright statement Added Adherence to AG Principles Section Replaced code I with AND in AllowanceChargeTypeCode 	1.1.0 (3- Jan0-2012)

7.2. BMS Release 3.1

Changes	BMS Doc Version
<ul style="list-style-type: none"> Removed PaymentTermsTypeCode and AllowanceChargeTypeCode.data types and associated code lists. Added to Shared Common. BSD. Removed AllowanceOrChargeTypeEnumeration data type and associated code list. Added to Shared Common BSD. 	3.1 - Issue 1
<p>new classes:</p> <ul style="list-style-type: none"> AdministrativeUnit CarrierPickUpDropOffDetails 	3.1 - Issue 1

Changes	BMS Doc Version
<ul style="list-style-type: none"> ■ InventorySubLocation ■ InventoryDutyFeeTaxStatus <p>New data types and codelists:</p> <ul style="list-style-type: none"> ■ AdministrativeUnitTypeCode ■ CustomsWarehouseStatusCode ■ InventorySubLocationFunctionCode ■ InventorySubLocationTypeCode ■ PackagingConditionCode <p>Updated code lists:</p> <p>ErrorOrWarningCode:</p> <ul style="list-style-type: none"> ■ Added CONFIRMED_BUT_DELAY_EXPECTED <p>TransportServiceLevelCode:</p> <ul style="list-style-type: none"> ■ Added RETURN_SERVICE <p>Updated Code List InventoryMovementTypeCode, added:</p> <ul style="list-style-type: none"> ■ INCREASE, DECREASE <p>updated classes:</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>class LogisticUnit - maintenance view</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <div style="text-align: center; border-bottom: 1px solid black; padding-bottom: 5px;">LogisticUnit</div> <div style="padding: 5px 0;"> <ul style="list-style-type: none"> - grossWeight: Measurement [0..1] - packageLevelCode: PackageLevelCode [0..1] - packageTypeCode: PackageTypeCode [0..1] - tradeItemQuantity: Quantity [0..1] </div> <div style="text-align: center; border-top: 1px solid black; padding-top: 5px;"> maintenance Change: (Verified) 3.1 added association UnitMeasurement </div> </div> </div> <div style="border: 1px solid black; padding: 10px;"> <p>class LogisticUnits - maintenance view</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <div style="text-align: center; border-bottom: 1px solid black; padding-bottom: 5px;"> « » LogisticUnits </div> <div style="padding: 5px 0;"> <ul style="list-style-type: none"> + levelIdentification: positiveInteger [0..1] + parentLevelIdentification: positiveInteger [0..1] + packageTypeCode: PackageTypeCode [0..1] + childPackageTypeCode: PackageTypeCode [0..1] + quantityOfChildren: positiveInteger [0..1] </div> <div style="text-align: center; border-top: 1px solid black; padding-top: 5px;"> maintenance Change: (Verified) 3.1 added association to ReturnablePackaging (WR 12-199) </div> </div> </div>	

Changes

BMS Doc Version

class ReturnablePackaging - maintenance view

ReturnablePackaging

+ packagingQuantity: positiveInteger

+ currentHolderRegistration: Identifier [0..1]

+ newHolderRegistration: Identifier [0..1]

+ packagingConditionCode: PackagingConditionCode [0..1]

maintenance

Change: (Verified) 3.1 existing association to ReturnableAssetIdentification 1..1 ==> 0..1 (WR 12-199)

Change: (Verified) 3.1 added association +individualReturnableAssetIdentification (WR 12-199)

Change: (Verified) 3.1 added packagingConditionCode (BRAD WIO-ecom-2)

class TransactionalTradeltem - maintenance view

TransactionalTradeltem

+ tradeItemQuantity: Quantity [0..1]

+ tradeItemDescription: Description200 [0..1]

+ productVariantIdentifier: string [0..1] = {1..80}

maintenance

Change: (Verified) 3.1 added productVariant (BRAD WIO-ecom-3)

class LogisticService - Maintenance View

LogisticService

+ logisticServiceRequirementCode: LogisticServiceRequirementCode

+ cashOnDeliveryAmount: Amount [0..1]

+ insuranceValue: Amount [0..1]

+ logisticServiceChargeAmount: Amount [0..1]

maintenance

Change: (Verified) 3.1 / Post POC1: added cashOnDeliveryPayer and cashOnDeliveryBillTo

class InventorySubLocation - Maintenance

InventorySubLocation

+ gln: GLN [0..1]

+ glnExtension: string [0..1] = {1..20}

+ additionalPartyIdentification: AdditionalPartyIdentification [0..*]

+ inventorySubLocationTypeCode: InventorySubLocationTypeCode [0..1]

+ inventorySubLocationFunctionCode: InventorySubLocationFunctionCode [0..*]

maintenance

Change: (Verified) 3.1 new class (BRAD WIO and WIM)

Defect: (Verified) post POC: renamed SubLocationIdentification into glnExtension, made length 20.

Defect: (Verified) post POC1: changed sequence of attributes, made typeCode optional

Changes	BMS Doc Version
<div> <div>class ShipmentTransportationInformation - maintenance view</div> <div> <div>« »</div> <div>ShipmentTransportationInformation</div> <div> + handlingInstructionCode: HandlingInstructionCode [0..*] + transportMeansType: TransportMeansTypeCode [0..1] + transportServiceCategoryType: TransportServiceCategoryCode [0..1] + transportServiceLevelCode : TransportServiceLevelCode [0..1] </div> <div> <div>maintenance</div> <div>Change: (New) 3.1: added freightForwarder (BRAD WIO)</div> </div> </div> </div>	

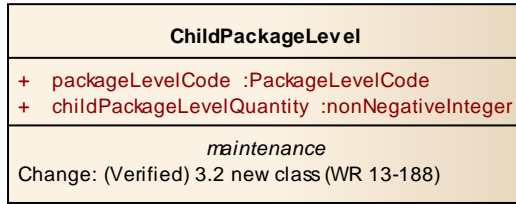
7.3. BMS Release 3.2

Change	Associated WR
<p>New class created to add to warehousing messages Carrier Track And Trace Information with:</p> <ul style="list-style-type: none"> ■ Package tracking number ■ Carrier track and trace URL <div> <div>class CarrierTrackAndTraceInformation - Maintenance</div> <div> <div>CarrierTrackAndTraceInformation</div> <div> + carrierTrackAndTraceURL :anyURI [0..1] = {1..2000} + packageTrackingNumber :String [0..1] = {1..70} </div> <div> <div>maintenance</div> <div>Change: (Verified) 3.2 new class (WR 13-106)</div> </div> </div> </div> <p>The new class Carrier Track And Trace Information is associated to Logistic Units class</p> <div> <div>class LogisticUnits - maintenance view</div> <div> <div>« »</div> <div>LogisticUnits</div> <div> + levelIdentification :positiveInteger [0..1] + parentLevelIdentification :positiveInteger [0..1] + packageTypeCode :PackageTypeCode [0..1] + quantityOfLogisticUnits :positiveInteger [0..1] + childPackageTypeCode :PackageTypeCode [0..1] + quantityOfChildren :positiveInteger [0..1] «association» + avpList :Ecom_AttributeValuePairList [0..1] </div> <div> <div>maintenance</div> <div> Change: (Complete) 3.1 added association to ReturnablePackaging (WR 12-199) Change: (Verified) 3.2 added +avpList (WR 14-110) Change: (Verified) 3.2 added +quantityOfLogisticUnits (WR 14-084) Change: (Verified) 3.2 added association to CarrierTrackAndTraceInformation (WR 13-106) Change: (Verified) 3.2 added association to IndividualAssetIdentification (WR 13-204) </div> </div> </div> <div> <div>0..1</div> <div>GS1 Identification:: LogisticUnitIdentification</div> <div>0..1</div> <div>« »</div> <div>LogisticUnitMeasurement</div> <div>0..1</div> <div>ReturnablePackaging</div> <div> <div>maintenance</div> <div> Change: (Complete) 3.1 added association +individualReturnableAssetIdentification (WR 12-199) Change: (Complete) 3.1 added packagingConditionCode (BRAD WIO-ecom-2) Change: (Complete) 3.1 existing association to ReturnableAssetIdentification 1..1 to 0..1 (WR 12-199) </div> </div> <div>0..1</div> <div>GS1 Identification:: IndividualAssetIdentification</div> <div>0..1</div> <div>CarrierTrackAndTraceInformation</div> <div> <div>maintenance</div> <div>Change: (Verified) 3.2 new class (WR 13-106)</div> </div> </div> </div>	13-000106

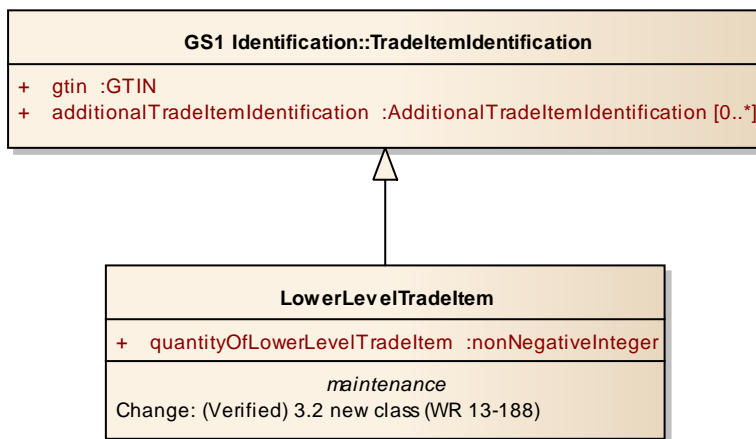
Created new classes to make the Item Data Notification message suitable to support new transport planning, transport execution and warehousing messages:

- Child package level
- Lower level Trade Item

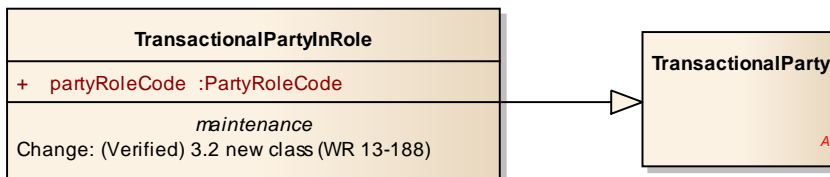
class ChildPackageLevel - maintenance view



class LowerLevelTradeItem - maintenance view

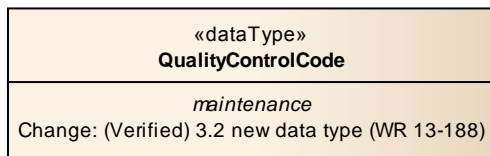


class TransactionalPartyInRole - maintenance view



- Created code list: [QualityControlCode](#)

class Code Q-Z - maintenance view



13-000188

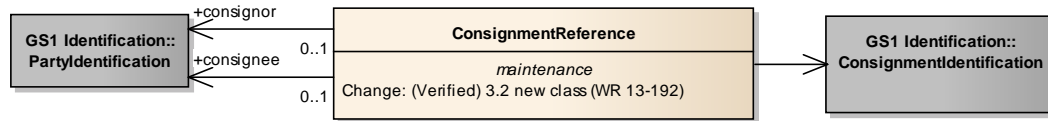
<p>■ Created code list: WarehouseABCClassificationCode</p> <div><div>class Code Q-Z - maintenance view</div><div><div><div>GS1Code</div><div>«dataType» WarehouseABCClassificationCode</div><div><i>maintenance</i> Change: (Verified) 3.2 new data type (WR 13-188)</div></div></div></div>	13-000188
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Created new classes to make the Invoice message suitable to support Transport and Logistic processes:

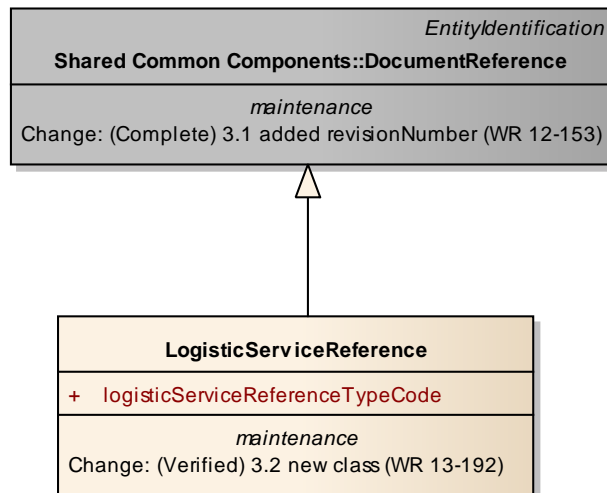
- Consignment Reference
- LogisticServiceReference
- ShipmentReference

13-000192

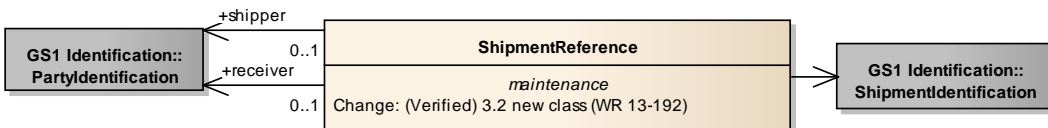
class ConsignmentReference - Maintenance view



class LogisticServiceReference - Maintenance view

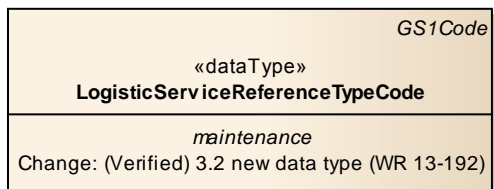


class ShipmentReference - Maintenance view



- Created code list: [LogisticServiceReferenceTypeCode](#)

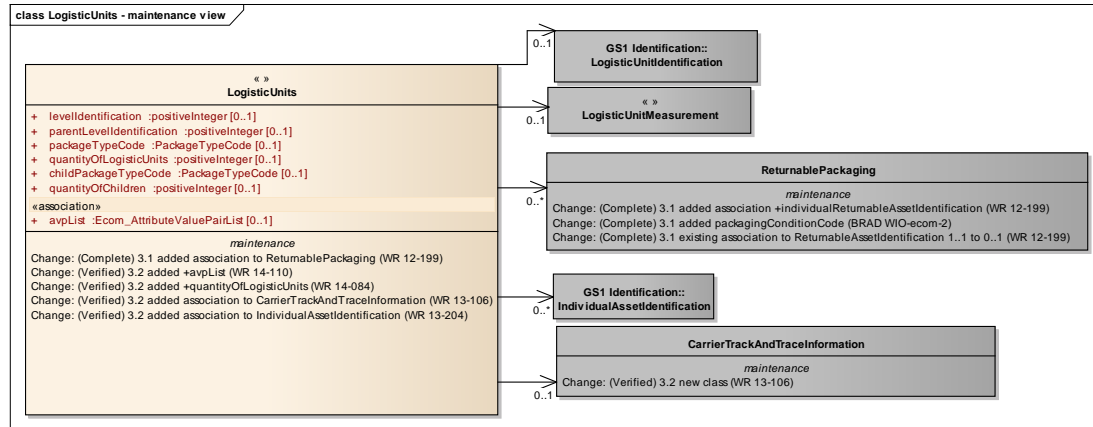
class Code J-P - maintenance view



<p>■ Created code list: MarginSchemeCode to meet requirements of COUNCIL DIRECTIVE 2010/45/EU</p> <div data-bbox="175 268 745 558"> <p>class Code A-I - maintenance view</p> <div data-bbox="217 331 704 516"> <p>GS1Code</p> <p>«dataType» MarginSchemeCode</p> <p><i>maintenance</i></p> <p>Change: (Verified) 3.2 new data type (WR 13-194)</p> </div> </div>
--

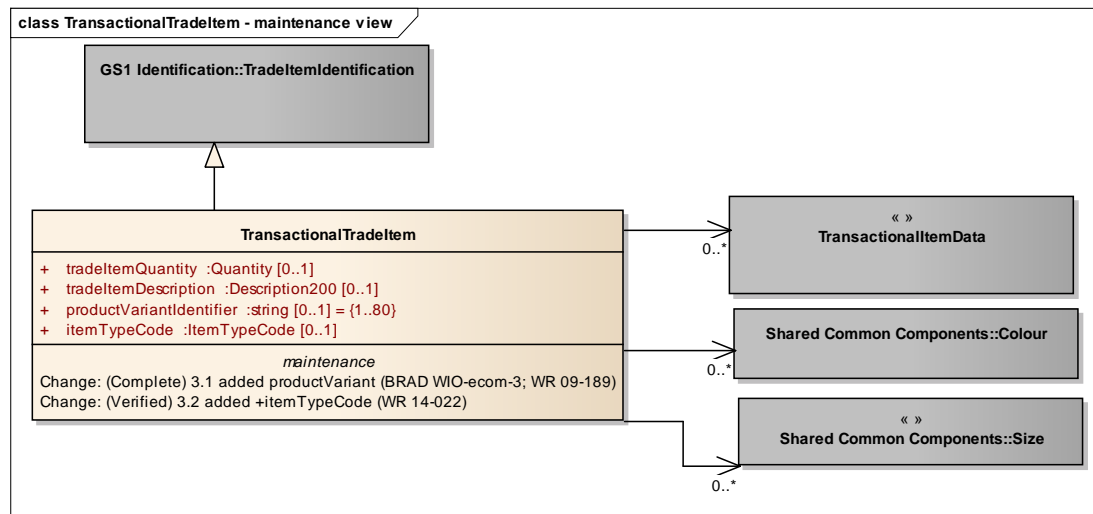
Added association to IndividualAssetIdentification class into the LogisticUnits class in order to include it in the Despatch Advice Logistic Unit

13-000204

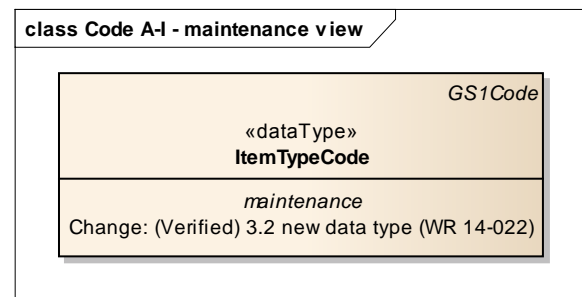


Added itemTypeCode attribute to the TransactionalTradeltem class to enable identification of different types of Lineltems

14-000022



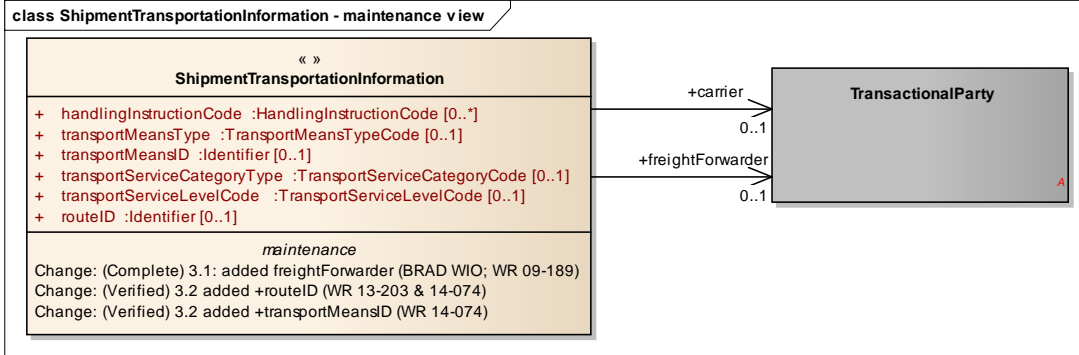
- Created code list: [ItemTypeCode](#)



Added two attributes to the ShipmentTransportationInformation class, in order to include them into the Warehouse Outbound Instruction message

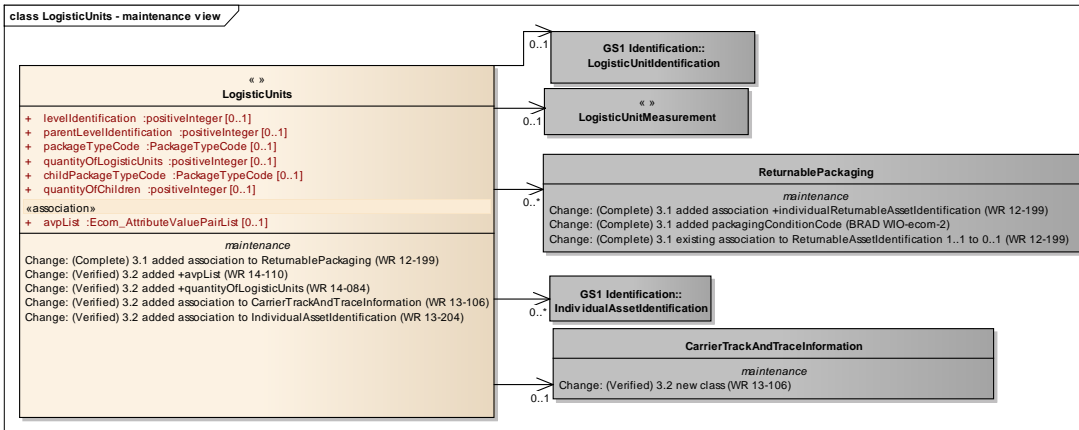
14-000074

- routeID
- transportMeansID (truck ID)



Added attribute quantityOfLogisticUnits to the LogisticUnits class to enable identification the package quantity in GS1 XML Receiving Advice message

14-000084

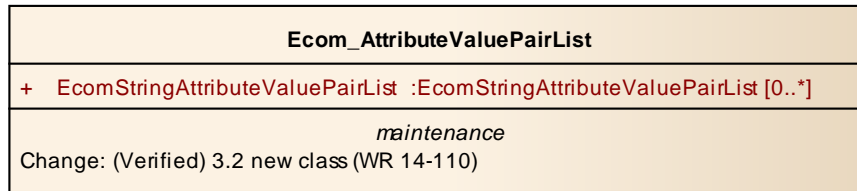


Created the following classes

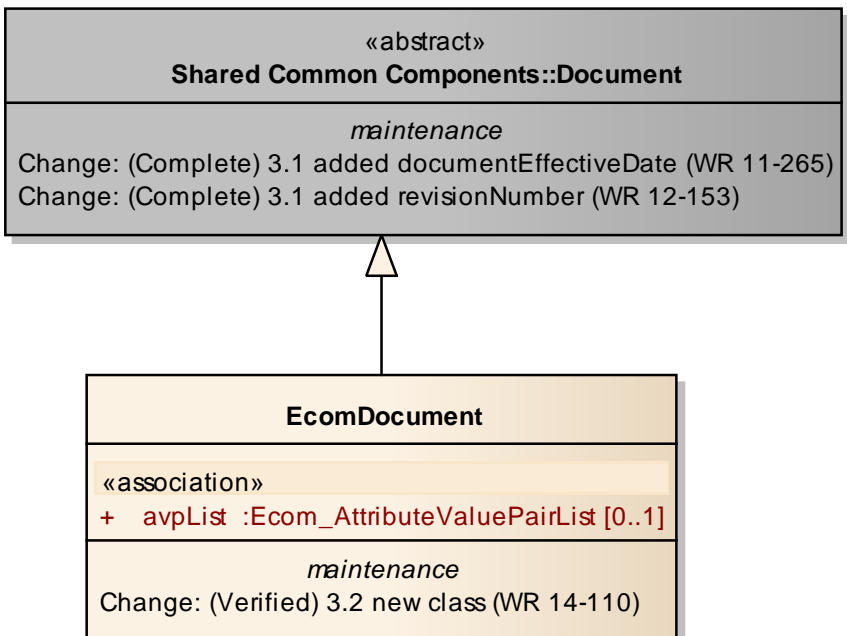
- Ecom_AttributeValuePairList
- EcomStringAttributeValuePairList
- EcomDocument

to add Attribute Value Pair at the root, line item and sub line item levels

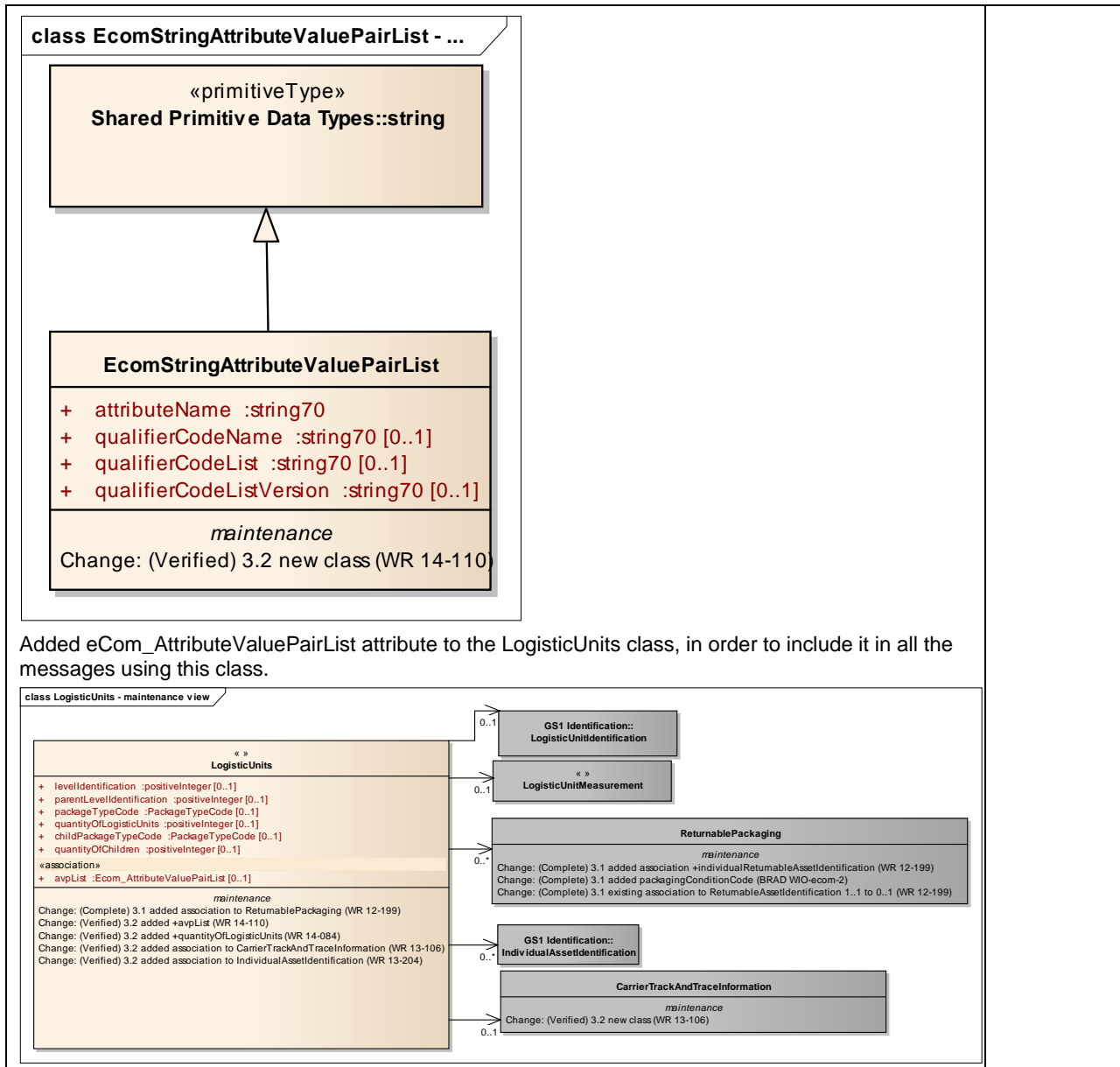
class Ecom_AttributeValuePairList - maintenance view



class EcomDocument - maintenance view



14-000110



8. Appendices

Not applicable

9. Acknowledgements

The following is a list of individuals (and their companies) who participated in the creation, review and approval of this BMS.

9.1.1. Work Group

Function	Name	Company / organisation
Co-chair	Rossner (Pottier), Natascha	GS1 France
Co-chair	Schmidt, Tom Eric	August Storck KG
Member	Bemrose, Jonathan	R&R Ice Cream
Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
Member	Boikanyo, Rebone	GS1 South Africa / Consumer Goods Council of South Africa
Member	Canada, ON	M3B 3L1
Member	Carlson, Jim	General Mills, Inc.
Member	Chresta, Richard	GS1 Switzerland
Member	Cook, Don	Wal-Mart Stores, Inc.
Member	Cox, Marc	Philips Electronics N.V.
Member	Darnell, David	Systrends
Member	De Flou, Nele	GS1 Belgium & Luxembourg
Member	Dicks, Arne	GS1 Germany
Member	Duvinger, Karina	GS1 Sweden
Member	Foerderer, Klaus	GS1 Germany
Member	Gathmann, Stefan	GS1 Ireland
Member	Grangard, Anders	GS1 Global Office
Member	Harpell, Eileen	GS1 Community Room Staff
Member	Herregodts, Kurt	GS1 Belgium & Luxembourg
Member	Kempkes, Fred	Unilever N.V.
Member	Kernan, Brendan	GS1 Ireland
Member	Kidd, Robin	Nestle
Member	Krid, Anne-Claire	GS1 France
Member	Lanoue, Tom	General Mills, Inc.
Member	Laur, Rita	GS1 Canada
Member	Lenman, Mia	GS1 Sweden
Member	Lerch, Hanjoerg	METRO Group
Member	Moberg, Dale	Axway
Member	Montes de Oca, Alejandra	GS1 Mexico
Member	Ng, Ella	GS1 Australia
Member	Peelen, Esther	GS1 Netherlands
Member	Pelekies, Andreas	GS1 Germany
Member	Perrier, Patricia	GS1 France
Member	Przybilla, Christian	GS1 Germany
Member	Pujol, Xavier	GS1 Spain

Function	Name	Company / organisation
Member	Racek, Greg	Wal-Mart Stores, Inc.
Member	Repetto, Mirko	GS1 Italy
Member	Robba, Steven	1WorldSync Holdings, Inc.
Member	Rosell, Pere	GS1 Spain
Member	Rosenberg, Steven	GS1 US
Member	Schmid, Sue	GS1 Australia
Member	Schneider, Christian	GS1 Switzerland
Member	Sehorz, Eugen	GS1 Austria
Member	Sharma, Vishal	General Mills, Inc.
Member	Shimazaki, Ayako	GS1 Japan
Member	Sion, Emilie	GS1 France
Member	Souza, Nadia	GS1 Brasil
Member	Strand, Roman	GS1 Germany
Member	Tan, Milton	GS1 Malaysia
Member	Tompsett, Simon	Waitrose
Member	Trelle, Ute	1WorldSync Holdings, Inc.
Member	Tse, Steve	GS1 Hong Kong
Member	Tyson, Betty	Knouse Foods Cooperative, Inc
Member	Van den Bergh, Senne	GS1 Belgium & Luxembourg
Member	Van der Eijk, Pim	OASIS - Sonnenglanz Consulting BV
Member	Veldhuis, Saskia	Procter & Gamble Co.
Member	Welch, Shan	GS1 UK
Member	Westerkamp, Jan	GS1 Netherlands
Member	Wilson, Mary	GS1 US
Member	Windsperger, Bekki	Best Buy Co., Inc.
Member	Yang, Shaopeng	GS1 China
Member	Yusdiar, Dani	GS1 Indonesia
Member	Zwanziger, Greg	SUPERVALU

9.1.2. Development Team Members

Function	Name	Organisation
GSMP Process Lead	Jean-Luc Champion	GS1 Global Office
Standards Content Lead	Coen Janssen, Ewa Iwicka	GS1 Global Office
Technical Development Lead	Ewa Iwicka	GS1 Global Office
Peer Review	Eric Kauz	GS1 Global Office