Business Message Standard (BMS)

for

Common Library

BRG: All

BMS Release: 2.0

Document Version: 0.1.7

Release Date: 31.12.2004
(DD.MM.CCYY)

Change Request Reference

Refer to Change Request (CR) Number(s):	Not Applicable
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Date of CR Submission to GSMP:	Not Applicable

Business Requirements Document (BRAD) Reference

BRAD Title: ALL
BRAD Date:
BRAD Version:

Document Summary

Document Title:	BMS For Common Library
Document Version	0.1.7
Owner:	Global Business Process Modelling Team
Status:	(*Check one box*) ☐ DRAFT ☑ Approved
BMS Template Version:	1.0
Targeted BMS Publication Version	2.0

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
01.12.2004	0.1.0	Noel Yavo	Initial Version in BMS/BSD template	Migration of BRD to standard BMS/BSD for-mat	4781 //depot/EAN .UCC/CRs/ R2.0_Harm oniza-tion/EAN_U CC.mdl
07.12.2004	0.1.1	John Ryu	Maps to the GBM Struc-ture. Ready for 1st draft XMI De-velopment. Excludes Plan	Separated Common Library in chapter 3 (Common Components) and Chapter 4 (Process Common Components)	
09.12.2004	0.1.2	John Ryu	Updates	Summary of Changes	4948

				listed in section 1.10 Plan Common library section added in 4.7	
			Finished Plan Common Library		
13.12.2004	0.1.3.	John Ryu	Updated to common library	Reference section 1.10 changes	MDL P4CL : 5055
13.12.2004	0.1.4	John Ryu	Added Code Lists	Added code list into section 1.5.4 Updates identified in 1.10	MDL P4CL : 5094
16.12.2004	0.1.5	John Ryu	Updated to the Code List	Updates identified in 1.10	
17.12.2004	0.1.6	John Ryu	Update	Identified in 1.10	
24.04.2007	0.1.7	Giovanni Biffi	Editorial Changes	Minor Editorial Changes to the Document	

1 Business Solution Design

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

1.1.2 Objective

The objective to develop this common library is to enable the following.

- Contain and maintain all reusable data elements available in the EAN.UCC BMS Standards.
- Standardize the design and development process to produce consistent and quality products.
- Aids and protects the integrity of the GBM
- Gives visibility to internal development staff and external users to our available reusable components.

1.1.3 Audience

The primary audience for this document are individuals assigned as GS1 Business Process Analysts, Business Requirements Groups Managers, GDD Managers, and XML System Developers who are responsible for the completion and delivery of the Business Message Standards.

The secondary audience for this document are users involved in the GSMP activites with BRG, ITRG, PTRG.

1.1.4 Artefacts

Artefact name	State	Artefact / State description
Not Applicable		

1.1.5 References

Reference Name	Description
EAN.UCC Global Business Model (Process and Data), October 1999	
Simple eb(electronic business), March 2000	
GS1 Modeling Best Practices Version 0.6.0 for Publication 2.0	
Eb Methodology	

1.1.6 Acknowledgements

1.1.6.1 BRG Members

Function	Name	Company
None		

1.1.6.2 ITRG Members

Function	Name	Company / organisation
ITRG Chair	None	
ITRG Member		
ITRG Member		
ITRG Member		

1.1.6.3 Task/Project Group Participants (*where applicable*)

Function	Name	Company / organisation
Participant	None	
Participant		
Participant		

1.1.6.4 Design Team Members

Function	Name	Organisation
Modeller	John Ryu, Noel Yavo	GS1
XML Technical Designer		
EANCOM Technical Designer		
Peer Reviewer		

1.2 Business Context

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

1.3 Additional Technical Requirements Analysis

Not Applicable
1.3.1 Technical Requirements (optional)

(User Interface, Security, Performance, Quality, etc.))

Number	Statement	Rationale
	Not Applicable	

1.4   Business Transaction View

Not Applicable

1.4.1   Business Transaction Use Case Diagram

Not Applicable

1.4.1.1   Use Case Description

Not Applicable

Use Case ID	
Use Case Name	
Use Case Description	
Actors (Goal)	
Performance Goals	*Goals related to technical requirements* **None**
Preconditions	
Post conditions	
Scenario	**Begins when** **Continues with**... (see step table below) **Ends when**...
Alternative Scenario	(see activity table below)
Related Requirements	**None**

Scenario — Continues with:

Step #		
1		
2		
3		
4		

Alternative Scenario:

Step #	Actor	Activity Step

Related Rules	None

1.4.2   Business Transaction Activity Diagram(s)

Not Applicable

1.4.3   Business Transaction Sequence Diagram(s) (Optional)

Not Applicable

1.5   Information Model (including GDD Report)

1.5.1   Data Description:

No Data Description

1.5.2   GDD Report :

No GDD Report

1.5.3   Class Diagrams

Reference Chapter 3 for Common Components.
Reference Chapter 4 for Process Common Components.
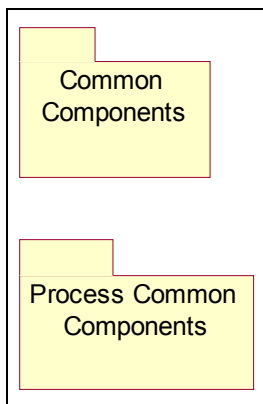
1.5.4 Code Lists

1.5.4.1 Account Number Type List

CodeName	CodeValue
01_TIME_DEPOSIT	N/A
03_CHECKING_ACCOUNT	N/A
10_BUSINESS_ACCOUNT	N/A

1.5.4.2 Activity Type Code List

CodeName	CodeValue
CANCELED_ORDERS	N/A
EMERGENCY_ORDERS	N/A
ON_HAND	N/A
ORDERS	N/A
RECEIPTS	N/A
SALES	N/A
SHIPMENTS	N/A

1.5.4.3 Additional Party Identification List

CodeName	Code-Value
BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY	N/A
DEA_ DRUG_ENFORCEMENT_AGENCY	N/A
DUNS	N/A
DUNS_PLUS_FOUR	N/A
HIN_CANADIAN_HEALTHCARE_IDENTIFICATION_NUMBER	N/A
SCAC	N/A
SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY	N/A
TD_LINK_TRADE_DIMENSIONS	N/A
UCC_COMMUNICATION_IDENTIFICATION	N/A
UN_LOCATION_CODE	N/A
USDA_ESTABLISHMENT_NUMBER	N/A

1.5.4.4 Additional Trade Item Identification List

CodeName	CodeValue
BUYER_ASSIGNED	N/A
INDUSTRY_ASSIGNE	N/A

D	
SUPPLIER_ASSIGNED	N/A

1.5.4.5 Allowance Charge List

CodeName	Code-Value
ALLOWANCE_GLOBAL	N/A
CHARGE_GLOBAL	N/A
CONSOLIDATED	N/A
FLAT_RATE	N/A
FREE_GOODS	N/A
FREIGHT_COSTS	N/A
INSURANCE_CHARGE	N/A
LUMP_SUM	N/A
MARKUP_FOR_SMALL_VOLUME_PURCHASES	N/A
PACKING_CHARGES	N/A

1.5.4.6 Allowance or Charge List

CodeName	CodeValue
ALLOWANCE	N/A
CHARGE	N/A

1.5.4.7 Bar Code Type List

CodeName	Code Value
COMPOSITE_COMPONENT_A	N/A
COMPOSITE_COMPONENT_B	N/A
COMPOSITE_COMPONENT_C	N/A
EAN_UCC_13_SYMBOL	N/A
EAN_UCC_14_SYMBOL	N/A
EAN_UCC_8_SYMBOL	N/A
ITF_14_SYMBOL	N/A
RSS_14	N/A
RSS_14_STACKED	N/A
RSS_14_STACKED_OMNIDIRECTIONAL	N/A
RSS_14_TRUNCATED	N/A
RSS_EXPANDED	N/A
RSS_EXPANDED_STACKED	N/A
RSS_LIMITED	N/A
UCC_EAN_128_SYMBOL	N/A
UPC_A_SYMBOL	N/A
UPC_E_SYMBOL	N/A

1.5.4.8 Billed Rate As Quantity Qualifier Type List

CodeName	CodeValue
100_POUNDS_OR_45.3_KILOGRAMS	N/A
CUBIC_FOOT_OR_CUBIC_METRE	N/A
EACH_OR_PIECE	N/A
FLAT_RATE	N/A
FOOT_OR_METRE	N/A
GALLON_OR_LITRE	N/A
LOAD	N/A
MILES_OR_KILOMETRES	N/A
POUND_OR_KILOGRAM	N/A
SHIPPING_UNIT_OR_DESPATCH_UNIT	N/A
SQUARE_YARDS_OR_SQUARE_METRES	N/A

1.5.4.9 Buying Party Identification List

CodeName	CodeValue
MANUFACTURER	N/A
RETAILER	N/A
WAREHOUSE	N/A
WHOLESALER	N/A

1.5.4.10 Collaboration Priority Code List

CodeName	CodeValue
HIGH	N/A
LOW	N/A
MEDIUM	N/A

1.5.4.11 Collect On Delivery Code List

CodeName	CodeValue
REGULAR_COLLECT_ON_DELIVERY	N/A
TAGLESS_COLLECT_ON_DELIVERY	N/A

1.5.4.12 Collect On Delivery Funds Code List

CodeName	Code-Value

ALL_SUPPORTED_FUNDS	N/A
CASHIERS_CHECK_MONEY_ORDER_ONLY	N/A
CHECK_CASHIERS_CHECK_MONEY_ORDER_ONLY	N/A

1.5.4.13 Commodity Code List

CodeName	Code-Value
NATIONAL_MOTOR_FREIGHT_CLASSIFICATION	N/A
OIL_INDUSTRY_COMMON_PRODUCT_CODE	N/A
RECEIVERS_COMMODITY_CODE	N/A
SENDERS_COMMODITY_CODE	N/A

1.5.4.14 Communication Channel Code List

CodeName	CodeValue
EMAIL	N/A
TELEFAX	N/A
TELEPHONE	N/A
WEBSITE	N/A

1.5.4.15 Company Identification Format List

CodeName	CodeValue
BUYER_ASSIGNED	N/A
DUNS	N/A
GLN	N/A
SELLER_ASSIGNED	N/A

1.5.4.16 Correction Indicator List

CodeName	CodeValue
BALANCE_DUE_BILLING	N/A
MISCELLANEOUS_BILLING	N/A
PAST_DUE_BILLING	N/A
REBILLING_IGNORE_PREVIOUS_BILL	N/A

1.5.4.17 Data Source Code List

CodeName	CodeValue
BUYER	N/A
SELLER	N/A

1.5.4.18 Date Format List

CodeName	CodeValue
CCYYMMDD	N/A
DDMMCCYY	N/A
DDMMMCCYY	N/A
MMDDCCYY	N/A
MMMDDCCYY	N/A
PERIOD_ID	N/A
XSD_DATE	N/A
XSD_DATE_TIME	N/A

1.5.4.19 Days of the Week List

CodeName	CodeValue
FRIDAY	N/A
MONDAY	N/A
SATURDAY	N/A
SUNDAY	N/A
THURSDAY	N/A
TUESDAY	N/A
WEDNESDAY	N/A

1.5.4.20 Debit Credit Indicator List

CodeName	CodeValue
CREDIT	N/A
DEBIT	N/A

1.5.4.21 Deliver Date Type List

CodeName	CodeValue
ACTUAL_DELIVERY_DATE	N/A
ACTUAL_PICKUP_DATE	N/A
CUSTOMS_RELEASE_DATE	N/A
NOTIFICATION_DATE	N/A
REQUESTED_PICKUP_DATE	N/A

SCHEDULED_DELIVERY_DATE	N/A

1.5.4.22 Deliver Party Role List

CodeName	Code-Value
BILL_TO_PARTY	N/A
CONSIGNEE	N/A
DESTINATION_TERMINAL	N/A
ORIGIN_TERMINAL	N/A
PARTY_TO_RECEIVE_FREIGHT_BILL	N/A
PARTY_WHO_SIGNED_DELIVERY_RECEIPT	N/A
SHIP_FROM	N/A
SHIP_TO	N/A
SHIPPER	N/A

1.5.4.23 Deliver Payment Method Code List

CodeName	CodeValue
COLLECT	N/A
CONSIGNEE_BILLING	N/A
PREPAID_BY_CONSIGNOR	N/A
THIRD_PARTY_PAY	N/A

1.5.4.24 Deliver Reference Code List

CodeName	CodeValue
ACCOUNTS_RECEIVABLE_CUSTOMER_ACCOUNT	N/A
AGENTS_SHIPMENT_NUMBER	N/A
APPOINTMENT_NUMBER	N/A
APPROPRIATION_NUMBER	N/A
BILL_OF_LADING_NUMBER	N/A
BOOKING_NUMBER	N/A
CANADIAN_SOCIAL_INSURANCE_NUMBER	N/A
CARRIER_ASSIGNED_PACKAGE_ID	N/A
CARRIERS_REFERENCE_NUMBER_PRO_OR_INVOICE_NUMBER	N/A
CONSIGNEE_INVOICE_NUMBER	N/A
CONSIGNEE_ORDER_NUMBER	N/A
CONSIGNEE_REFERENCE_NUMBER	N/A
COST_ALLOCATION_REFERENCE	N/A
CUSTOMER_ACCOUNT_NUMBER	N/A

CUSTOMER_ORDER_NUMBER	N/A
CUSTOMER_REFERENCE_NUMBER	N/A
DATA_RELIABILITY_CODE_NUMBER	N/A
DEALER_ORDER_NUMBER	N/A
DEPARTMENT_NUMBER	N/A
DESPATCH_ADVICE_NUMBER	N/A
EMPLOYERS_IDENTIFICATION_NUMBER	N/A
EQUIPMENT_NUMBER	N/A
FEDERAL_TAXPAYERS_IDENTIFICATION_NUMBER	N/A
FOOD_AND_DRUG_ADMINISTRATION_FDA_PRODUCT_CODE	N/A
FREE_ASTRAY_NUMBER	N/A
GOODS_AND_SERVICE_TAX_REGISTRATION_NUMBER	N/A
INVALID_ACCOUNT_REASON_CODE	N/A
LOAD_NUMBER	N/A
LOAD_PLANNING_NUMBER	N/A
LOCATION_NUMBER	N/A
MANIFEST_KEY_NUMBER	N/A
MASTER_BILL_OF_LADING	N/A
MUTUALLY_DEFINED	N/A
NEXT_AVAILABLE_FLIGHT_JOB_NUMBER	N/A
OFFER_IDENTIFIER_NUMBER	N/A
ORIGINAL_INVOICE_NUMBER	N/A
PACKAGE_NUMBER	N/A
PACKING_LIST_NUMBER	N/A
PART_NUMBER	N/A
PICKUP_REFERENCE_NUMBER	N/A
PORT_CODE	N/A
PRODUCTION_CODE	N/A
PURCHASE_ORDER_ITEM_NUMBER	N/A
PURCHASE_ORDER_NUMBER	N/A
PURCHASE_REQUISITION_NUMBER	N/A
RETURN_MATERIAL_AUTHORIZATION_NUMBER	N/A
RETURNED_GOODS_AUTHORIZATION_NUMBER	N/A
SALESPERSON	N/A
SELLER_INVOICE_NUMBER	N/A
SERIAL_NUMBER	N/A
SERVICE_CHARGE_NUMBER	N/A
SERVICE_REQUEST_NUMBER	N/A
SHIP_FROM_ACCOUNT_NUMBER	N/A
SHIP_NOTICE_MANIFEST_NUMBER	N/A

SHIPPER_IDENTIFYING_NUMBER_FOR_SHIPMENT	N/A
SHIPPERS_ACCOUNT_NUMBER	N/A
SHIPPERS_ORDER_INVOICE_NUMBER	N/A
SOCIAL_SECURITY_NUMBER	N/A
SOFTWARE_APPLICATION_NUMBER	N/A
SPECIAL_APPROVAL_NUMBER	N/A
SPLIT_SHIPMENT_NUMBER	N/A
SSCC-18	N/A
SSCC-18_AND_APPLICATION_NUMBER	N/A
STORE_NUMBER	N/A
TERMINAL_RELEASE_NUMBER	N/A
TRACER_ACTION_REQUEST_NUMBER	N/A
TRACKING_NUMBER	N/A
TRANSACTION_REFERENCE_NUMBER	N/A
TRANSPORTATION_CONTROL_NUMBER	N/A
VENDOR_IDENTIFICATION_NUMBER	N/A
WAYBILL_NUMBER	N/A

1.5.4.25 Document Status List

CodeName	CodeValue
COPY	N/A
ORIGINAL	N/A

1.5.4.26 Effective Date List

CodeName	CodeValue
EFFECTIVE_DATE	N/A
EXPIRATION_DATE	N/A
FIRST_ARRIVAL_DATE	N/A
FIRST_ORDER_DATE	N/A
FIRST_SHIP_DATE	N/A
LAST_ARRIVAL_DATE	N/A
LAST_ORDER_DATE	N/A
LAST_SHIP_DATE	N/A

1.5.4.27 Entity Identifier Code List

CodeName	CodeValue
ACTUAL_CONSIGNEE	N/A
INTENDED_CONSIGNEE	N/A

UPDATED_CONSIGNEE	N/A

1.5.4.28 Entity Type List

CodeName	CodeValue
1_BUYER_RECONCILIATION_OF_REQUEST_FOR_PAYMENT	N/A
2_CARRIER_ROUTING_INSTRUCTION	N/A
3_CATALOGUE_ITEM_CONFIRMATION	N/A
4_CATALOGUE_ITEM_LINK	N/A
5_CATALOGUE_ITEM_NOTIFICATION	N/A
6_CATALOGUE_ITEM_PUBLICATION	N/A
7_CATALOGUE_ITEM_REGISTRATION_RESPONSE	N/A
8_CATALOGUE_ITEM_SUBSCRIPTION	N/A
9_CONFIGURE_TO_ORDER	N/A
10_CONFIRMATION_OF_SETTLEMENT_INSTRUCTIONS	N/A
11_CONTROL_TOTAL	N/A
12_DATA_SYNCHRONISATION_DATA_POOL_PROFILE	N/A
13_DATA_SYNCHRONISATION_ERROR	N/A
14_DEBIT_CREDIT_ADVICE	N/A
15_DESPATCH_ADVICE	N/A
16_EANUCC_RESPONSE	N/A
17_EVENT	N/A
18_EXCEPTION_CRITERIA	N/A
19_EXCEPTION_NOTIFICATION	N/A
20_FINANCIAL_INSTITUTION_CONTROL_TOTAL	N/A
21_FORECAST	N/A
22_FORECAST_BULK_DATA	N/A
23_FORECAST_REVISION	N/A
24_FTL_LOAD_TENDER_RESPONSE	N/A
25_FTL_LTL_SHIPMENT_STATUS	N/A
26_FTL_LTL_SHIPMENT_STATUS_INQUIRY	N/A
27_FULL_TRUCKLOAD_FREIGHT_INVOICE	N/A
28_FULL_TRUCKLOAD_LOAD_TENDER	N/A
29_GDSN_EXCEPTION	N/A
30_INVENTORY_ACTIVITY_OR_INVENTORY_STATUS	N/A
31_LESS_THAN_TRUCKLOAD_FREIGHT_INVOICE	N/A
32_LTL_CARRIER_BILL_OF_LADING	N/A
33_MOTOR_FUEL_CARRIER_BILL_OF_LADING	N/A
34_MULTI_SHIP_TO_ORDER	N/A
35_ORDER	N/A
36_ORDER_RESPONSE	N/A
37_PARTY_CONFIRMATION	N/A
38_PARTY_DOCUMENT	N/A

39_PARTY_NOTIFICATION	N/A
40_PARTY_PUBLICATION	N/A
41_PARTY_REGISTRATION	N/A
42_PARTY_REGISTRATION_RESPONSE	N/A
43_PARTY_SUBSCRIPTION	N/A
44_PERFORMANCE_HISTORY	N/A
45_PICKUP_NOTIFICATION_LTL	N/A
46_PRICE_BRACKET_DOCUMENT	N/A
47_PRICE_DOCUMENT	N/A
48_PRODUCT_ACTIVITY	N/A
49_PRODUCT_ACTIVITY_BULK_DATA	N/A
50_RECEIVING_ADVICE	N/A
51_REGISTRY_CATALOGUE_ITEM	N/A
52_REPLENISHMENT_PROPOSAL	N/A
53_REPLENISHMENT_REQUEST	N/A
54_REQUEST_FOR_CATALOGUE_ITEM_NOTIFICATION	N/A
55_REQUEST_FOR_PARTY_NOTIFICATION	N/A
56_REQUEST_FOR_PAYMENT	N/A
57_RETAIL_EVENT	N/A
58_SEARCH_REQUEST	N/A
59_SEARCH_RESULT	N/A
60_SETTLEMENT	N/A
61_SIMPLE_INVOICE	N/A
62_SMALL_PACKAGE_CARRIER_FREIGHT_INVOICE	N/A
63_SMALL_PACKAGE_PICKUP_MANIFEST	N/A
64_SPC_SHIPMENT_STATUS	N/A
65_SPC_SHIPMENT_STATUS_INQUIRY	N/A
66_TRADE_ITEM_DOCUMENT	N/A
67_TRADE_ITEM_INFORMATION_REQUEST	N/A
68_TRADE_ITEM_LOCATION_PROFILE	N/A
69_WAREHOUSE_SHIPPING_ORDER	N/A

1.5.4.29 Equipment Type Code List

CodeName	CodeValue
CHASIS	N/A
CONTAINER	N/A
CONTROLLED_TEMPERATURE_TRAILER_REEFER	N/A
DOUBLE_DROP_TRAILER	N/A
FIXED_RACK_DOUBLE_DROP_TRAILER	N/A
FIXED_RACK_FLAT_BED_TRAILER	N/A
FIXED_RACK_SINGLE_DROP_TRAILER_REEFER	N/A
FLAT_BED_TRAILER	N/A

HIGH_CUBE_TRAILER	N/A
OPEN_TOP_VAN	N/A
REMOVABLE_SIDE_TRAILER	N/A
SINGLE_DROP_TRAILER	N/A
TRAILER_DRY_FREIGHT	N/A
TRAILER_ELECTRIC_HEAT	N/A
TRAILER_HEATED_INSULATED_VENTILATED	N/A
TRAILER_INSULATED	N/A
TRAILER_NOT_OTHERWISE_SPECIFIED	N/A
TRAILER_PNEUMATIC	N/A
TRAILER_TANK_CHEMICALS	N/A
TRAILER_TANK_FOOD_GRADE_LIQUIDS	N/A
TRAILER_TANK_GAS	N/A
TRUCK_VAN	N/A

1.5.4.30 Exception Status Type Code List

CodeName	Code-Value
EXCEPTION_REASON_ONLY	N/A
EXCEPTION_REASON_WITH_RESOLUTION	N/A
EXCEPTION_REASON_WITH_STATUS	N/A

1.5.4.31 Forecast Purpose Code List

CodeName	CodeValue
ORDER_FORECAST	N/A
SALES_FORECAST	N/A

1.5.4.32 Forecast Type Code List

CodeName	CodeValue
BASE	N/A
PROMOTIONAL	N/A
SEASONAL	N/A
TOTAL	N/A

1.5.4.33 Freight Invoice Payment Method Code List

CodeName	Code-

	Value
BANK_ACCOUNT_DEBIT	N/A
COLLECT	N/A
COLLECT_ON_DELIVERY	N/A
CONSIGNEE_BILLING	N/A
CREDIT_CARD	N/A
DEFINED_BY_BUYER_AND_SELLER	N/A
MIXED	N/A
PREPAID_BY_SELLER_OR_CONSIGNOR	N/A
SERVICE_FREIGHT_NO_CHARGE	N/A
THIRD_PARTY_PAY	N/A

1.5.4.34 Location Identification Format List

CodeName	CodeValue
BUYER_ASSIGNED	N/A
DUNS_PLUS_FOUR	N/A
GLN	N/A
SELLER_ASSIGNED	N/A

1.5.4.35 Master Handling Unit of Measure Code List

CodeName	CodeValue
BUNDLE	N/A
CARTON	N/A
PALLET	N/A
PIECES	N/A
SKID	N/A
SLIP_SHEET	N/A

1.5.4.36 Message Reason List

CodeName	CodeValue
01_PRICING_ERROR	N/A
02_ALLOWANCE_CHARGE_ERROR	N/A
03_EXTENSION_ERROR	N/A
04_ITEM_NOT_ACCEPTED_DAMAGED	N/A
05_ITEM_NOT_ACCEPTED_QUALITY	N/A
07_INCORRECT_PRODUCT	N/A
08_SUBSTITUTE_PRODUCT	N/A
09_TERMS_OF_SALE_ERROR	N/A
10_PALLET_CONTAINER_CHARGE_ERROR	N/A

11_RETURNS_DAMAGE	N/A
12_RETURNS_QUALITY	N/A
13_RETURNS_DATING	N/A
14_RETURNS_PROMOTION	N/A
15_RETURNS_RECALL	N/A
18_NOT_COMPANY_BILL	N/A
19_DUPLICATE_BILLING	N/A
20_BALANCE_DUE_DECLINED	N/A
21_SHIPMENT_METHOD_OF_PAYMENT_INCORRECT	N/A
22_WEIGHT_ERROR	N/A
24_DISCOUNT	N/A
25_ITEMS_NOT_ACCEPTED	N/A
26_INVOICE_CANCELLED	N/A
27_PRODUCT_TRANSFERS_SUBJECT_TO_CHARGEBACK	N/A
29_FEE_INCORRECT	N/A
30_DELIVERY_CHARGE_INCORRECT	N/A
31_PICKUP_CHARGE_INCORRECT	N/A
32_OVERSIZE_PREMIUM_INVALID	N/A
33_CURRENCY_EXCHANGE_INCORRECT	N/A
34_DECLARED_VALUE_INCORRECT	N/A
35_COMMODITY_CODE_INCORRECT	N/A
36_SCALE_NUMBER_INCORRECT	N/A
37_DIMENSIONS_INCORRECT	N/A
38_SERVICE_INCORRECT	N/A
39_SHIPPER_OR_CONSIGNEE_REFERENCE_NUMBER_MISSING	N/A
40_ADDRESS_INCORRECT	N/A
44_REQUIRED_DOCUMENTS_MISSING	N/A
45_STALE_BILL_OVER_180_DAYS_OLD	N/A
46_TRANSPORTATION_CHARGE_INCORRECT	N/A
47_ADVANCE_CHARGE_INCORRECT	N/A
48_SERVICE_CHARGE	N/A
49_PROCESSING_CHARGE	N/A
50_LATE_CHARGE	N/A
52_CREDIT_FOR_OVERPAYMENT	N/A
53_REMITTANCE_FOR_PREVIOUS_UNDERPAYMENT	N/A
54_FREIGHT_DEDUCTED	N/A
59_ITEM_NOT_RECEIVED	N/A
60_NO_OPEN_ITEM_ON_FILE	N/A
61_NO_OPEN_ORDER_ON_FILE	N/A

62_MATERIAL_OR_ITEM_DESCRIPTION_ERROR	N/A
64_SALE_OF_PROPERTY	N/A
70_ADVANCED_SHIP_NOTICE_NOT_RECEIVED	N/A
71_ADVERTISING_ALLOWANCE	N/A
72_AUTHORIZED_RETURN	N/A
73_BILL_OF_LADING_NOT_RECEIVED	N/A
74_CANCEL_OR_ADJUST_PRIOR_CREDIT_OR_DEBIT_ADJUSTME	N/A
75_TOTAL_ORDER_NOT_RECEIVED	N/A
76_CASH_DISCOUNT	N/A
78_COMPETITIVE_PRICE	N/A
79_COOPERATIVE_ADVERTISING	N/A
81_CREDIT_AS_AGREED	N/A
82_DEFECTIVE_ALLOWANCE	N/A
83_EVALUATED_RECEIPT_SETTLEMENT_(ERS)_DELIVERY_CHARGE	N/A
85_DISTRIBUTION_DISCOUNT_ALLOWANCE	N/A
86_DUPLICATE_PAYMENT	N/A
87_DUPLICATE_SHIPMENT	N/A
88_DUTY_CHARGE_VARIANCE	N/A
89_EARLY_BUY_ALLOWANCE	N/A
91_ENGRAVING_CHARGE	N/A
92_MERCHANDISE_NOT_ORDERED	N/A
93_FIELD_DESTROY	N/A
94_FIXTURES_CHARGE	N/A
95_FLOOR_STOCK_PROTECTION	N/A
96_GOODS_TO_FOLLOW	N/A
97_HANDLING_CHARGE	N/A
98_LABOR_CHARGES	N/A
99_LATE_SHIPMENT_OF_GOODS	N/A
A1_LAYOUT_OR_DESIGN_CHARGE	N/A
A3_NEW_STORE_ALLOWANCE	N/A
A4_NON_RECEIPT_OF_GOODS	N/A
A5_OVERAGE	N/A
A7_PAYMENT_ON_ACCOUNT	N/A
A8_PROMOTIONAL_ALLOWANCE	N/A
A9_PROOF_OF_DELIVERY_NOT_RECEIVED	N/A
AH_ORIGINATION_FEE	N/A
AQ_RETURNS_OVERSTOCK	N/A
AS_RETURNS_DISCONTINUED	N/A
AT_ACCOUNT_LOCATION_CLOSED	N/A

B1_PROOF_OF_SHIPMENT_NOT_RECEIVED	N/A
B2_REBATE	N/A
B4_REFURBISHING_CHARGE	N/A
B5_REPAIR_OF_GOODS	N/A
B6_REPAY_DISCOUNT	N/A
B7_RESTOCKING_CHARGE	N/A
B8_ROUTING_VIOLATION	N/A
B9_SAMPLES_NOT_RECEIVED	N/A
BA_CANADIAN_GOODS_AND_SERVICES_TAX	N/A
BB_QUEBEC_GOODS_AND_SERVICES_TAX	N/A
BC_CANADIAN_HARMONIZED_GOODS_AND_SERVICES_TAX	N/A
BE_FIXTURE_ALLOWANCE	N/A
BF_RETURN_ALLOWANCE	N/A
BG_BAG_CHARGE	N/A
BH_OPPORTUNITY_BUY	N/A
BI_HANGER_CHARGE	N/A
BJ_INSURANCE_CHARGE	N/A
BK_POSTAGE_CHARGE	N/A
BL_NET_CHECK_RETURNED	N/A
BM_NET_COLLECTION_EXPENSE_(FACTOR)	N/A
BP_NET_CHARGEBACK_OF_CLIENT_RISK_(FACTOR)	N/A
BS_PAID_DURING_PERIOD	N/A
C1_SETTLEMENT_OF_ACCOUNT	N/A
C3_SPECIAL_FINISH	N/A
C4_STOCK_BALANCE	N/A
C6_TESTING_CHARGE	N/A
C8_TICKETING_ERROR	N/A
C9_TICKETING_SERVICE	N/A
CM_COVERED_BY_CREDIT_MEMO	N/A
CU_CHARGE_FOR_UNREQUESTED_SERVICE	N/A
D1_TRANSFER_BETWEEN_ACCOUNTS	N/A
D2_TRANSPORTATION_DIRECT_BILLING	N/A
D3_UNAUTHORIZED_DEDUCTION	N/A
D4_UNAUTHORIZED_PRODUCT	N/A
D5_VOLUME_DISCOUNT	N/A
D8_COUNT_AND_RECOUNT_ALLOWANCE	N/A

D9_STORE_STOCK_PRICE_PROTECTION	N/A
E1_RECOUPMENT	N/A
E2_COVERED_BY_DEBIT_MEMO	N/A
E4_WAREHOUSE_STOCK_PRICE_PROTECTION	N/A
E5_INVOICE_PRICE_PROTECTION	N/A
E6_GOODS_AND_SERVICES_TAX_0%_RATE_INTERNATIONAL_DOCUMENTATION_WILL_FOLLOW	N/A
E7_GOODS_AND_SERVICES_TAX_DECREASED_DUE_TO_BILLING_ERROR	N/A
E8_GOODS_AND_SERVICES_TAX_INCREASED_DUE_TO_BILLING_ERROR	N/A
E9_ORDER_CANCELLED	N/A
F1_DEFECTIVE	N/A
FA_ANTICIPATION_TAKEN	N/A
GA_FREE_GOODS	N/A
GB_COUPON_RELATED	N/A
GC_MARKET_DEVELOPMENT_FUND_DEDUCTION	N/A
GD_SAMPLES	N/A
GE_SLOTTING_CHARGE	N/A
GF_INVALID	N/A
GG_UNSALABLE_MERCHANDISE	N/A
GH_BILLBACK_ALLOWANCE_DEDUCTION	N/A
GJ_UNSALABLE_PAYMENTS_DEDUCTION	N/A
GK_SPLIT_COMMISSION_DEDUCTION_BASIS_AMOUNT	N/A
GL_UNRESOLVED_CUSTOMER_DEDUCTION	N/A
GM_SPLIT_COMMISSION_DEDUCTION_COMMISSION_AMOUNT	N/A
GN_GENERAL_ADVANCE	N/A
GR_GUARANTEE	N/A
H1_INFORMATION_FORTHCOMING	N/A
H2_PAYMENT_PREVIOUSLY_SENT	N/A
H3_LOAN_PAID_IN_FULL	N/A
H6_PARTIAL_PAYMENT_REMITTED	N/A
H7_PAYMENT_FORTHCOMING	N/A
H8_BILL_MORTGAGEE	N/A
HD_EXPENSE_PAYMENT	N/A
IA_INVOICE_AMOUNT_DOES_NOT_MATCH_ACCOUNT_ANALYSIS_STATEMENT	N/A

J3_PROMISED_ADJUSTMENT_NOT_RECEIVED	N/A
J8_UNABLE_TO_PROCESS	N/A
L1_AUDIT	N/A
L3_PENALTY	N/A
L4_ADMINISTRATIVE_FEES	N/A
L7_MISCELLANEOUS_DEDUCTIONS	N/A
L8_MISCELLANEOUS_CREDITS	N/A
L9_MILITARY_DISTRIBUTION_ADJUSTMENT	N/A
LF_LAWYER_OR_CLAIMANT_ATTORNEY_FEES	N/A
LO_LEDGER_OVERDRAFT_CHARGE	N/A
M2_COMMISSIONS_DEDUCTIONS	N/A
M3_GIFT_CERTIFICATES	N/A
M4_SALARY_DEDUCTION	N/A
MA_MARKETING_ALLOWANCES	N/A
MB_PICKUP_ALLOWANCE	N/A
MD_INCORRECT_PURCHASE_ORDER_NUMBER_ON_BILL_OF_LADING	N/A
ME_PURCHASE_ORDER_NUMBER_NOT_ON_BILL_OF_LADING	N/A
MF_MULTIPLE_PURCHASE_ORDER_NUMBERS_ON_INVOICE	N/A
MG_PURCHASE_ORDER_NUMBER_INCORRECT_ON_INVOICE	N/A
MH_PURCHASE_ORDER_NUMBER_NOT_ON_INVOICE	N/A
MI_TRANSFER_OR_DEBIT_BALANCE	N/A
MJ_TRUCKLOAD_ALLOWANCE	N/A
MK_WAREHOUSE_ALLOWANCE	N/A
MM_INCORRECT_PRODUCT_ID_ON_CARTONS	N/A
MN_INCORRECT_PURCHASE_ORDER_NUMBER_ON_CARTON	N/A
MO_NO_PRODUCT_ID_ON_CARTONS	N/A
MP_NO_PURCHASE_ORDER_NUMBER_ON_CARTON	N/A
MQ_STORAGE_CHARGES	N/A
OL_COURT_ORDERED_LIEN	N/A
PP_QUEBEC_PENSION_PLAN	N/A
PT_PAYMENT	N/A
RB_AGREED_FREIGHT_ALLOWANCE	N/A
RC_AUTHORIZED_AIR_SHIPMENT	N/A
RF_COMMISSION_DISCREPANCY	N/A

RG_DIFFERENC_ON_RETURNS	N/A
RH_EARLY_SHIPMENT_OF_GOODS	N/A
RI_EXCESSIVE_PACKAGING_MATERIALS	N/A
RJ_FAILURE_TO_CONSOLIDATE	N/A
RK_FREIGHT_ON_RETURNS_INBOUND_INCORRECT	N/A
RL_FREIGHT_ON_RETURNS_OUTBOUND_INCORRECT	N/A
RM_RETURNED_MATERIAL	N/A
RN_HANDLING_CHARGE_FOR_ITEM_NOT_RECEIVED	N/A
RO_HANDLING_RECEIPT_FOR_NON_RECEIPT_OF_GOODS	N/A
RP_HANDLING_CHARGE_FOR_LATE_ADVANCE_SHIP_NOTICE	N/A
RQ_HANDLING_CHARGE_FOR_SAMPLES_NOT_RECEIVED	N/A
RR_HANDLING_CHARGE_FOR_UNREADABLE_ADVANCE_SHIP_NOT	N/A
RS_INCORRECT_PACKING_ASSORTMENT	N/A
RT_IN_STORE_DECORATION_ALLOWANCE	N/A
RU_INTEREST	N/A
RV_LABEL_PLACEMENT	N/A
RW_MARGIN_CONTRIBUTION	N/A
RX_MARK_DOWN_ALLOWANCE	N/A
RY_MULTIPLE_SHIPMENT_PENALTY	N/A
RZ_OPENING_ORDER_ALLOWANCE	N/A
SA_PAPER_INVOICE_MISSING	N/A
SC_SERVICE_CANCELLED	N/A
SE_PAPER_PACKING_SLIP_MISSING	N/A
SG_PICKUP_CHARGE_OR_ADVANCED_CHARGES	N/A
SH_PRESENTATION_OF_MERCHANDISE_NOT_AS_SPECIFIED	N/A
SI_PURCHASER_SUPPLIED_RAW_MATERIAL	N/A
SJ_RETURNS_FREIGHT_DISCREPANCY	N/A
SK_SALARY_DISCREPANCY	N/A
SM_SHIPPED_PAST_PURCHASE_ORDER_CANCELLATION_DATE	N/A
SN_SHOULD_BE_SHIPPED_COLLECT_BUT_WAS_SHIPPED_PREPAID	N/A

SO_SHOULD_BE_SHIPPED_PREPAID_BUT_WAS_SHIPPED_COLLECT	N/A
SR_STORE_CONTEST_ALLOWANCE	N/A
SS_TRADE_DISCOUNT	N/A
ST_UNAUTHORIZED_AIR_SHIPMENT_CHARGEBACK_IS_THE_DIFFERENCE _BETWEEN *AIR*_AND_GROUND	N/A
SU_UNAUTHORIZED_AIR_SHIPMENT_PARTIAL_FREIGHT_CHARGEBACK	N/A
SW_UNAUTHORIZED_OR_INCORRECT_CARRIER	N/A
SX_VOLUME_BREAK_CHARGEBACK	N/A
SY_WEIGHT_BREAK_CHARGEBACK	N/A
UB_UNCOLLECTED_BALANCE_CHARGE_REVERSED	N/A
W6_SAFETY_VIOLATIONS	N/A

1.5.4.37 Metric Type Code List

CodeName	CodeValue
FILL_RATE	N/A
FORECAST_ACCURACY	N/A
GROSS_MARGIN	N/A
IN_STOCK	N/A
ON_TIME_DELIVERY	N/A
SUPPLY	N/A

1.5.4.38 Package Status Activity Type Code List

CodeName	CodeValue
DELIVERY	N/A
EXCEPTION	N/A
INTERMEDIATE	N/A
PICKUP	N/A

1.5.4.39 Payment Format List

CodeName	CodeValue
CCD	N/A
CCP	N/A
CTX	N/A
PPD	N/A
PPP	N/A

1.5.4.40 Payment Method List

CodeName	CodeValue
BANK_CHEQUE	N/A
BANK_GIRO	N/A
BANKERS_DRAFT	N/A
BOOKENTRY_CREDIT	N/A
BOOKENTRY_DEBIT	N/A
BOP	N/A
CASH	N/A
CERTIFIED_CHEQUE	N/A
CHEQUE	N/A
CREDIT_CARD	N/A
DEBIT_CARD	N/A
ELECTRONIC_CREDIT_ACH	N/A
ELECTRONIC_DEBIT_ACH	N/A
FED_WIRE_NON_REPETITIVE	N/A
FED_WIRE_REPETITIVE	N/A
INTERNATIONAL_WIRE	N/A
LETTER_OF_CREDIT	N/A
POSTGIRO	N/A
WIRE_TRANSFER_CREDIT	N/A
WIRE_TRANSFER_DEBIT	N/A

1.5.4.41 Payment Terms Event List

CodeName	CodeValue
AFTER_DATE_OF_DELIVERY	N/A
ANTICIPATED_DELIVERY_DATE	N/A
DATE_INVOICE_RECEIVED	N/A
DATE_OF_DELIVERY_TO_SITE	N/A
DATE_OF_INVOICE	N/A
DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS	N/A
EFFECTIVE_DATE	N/A
INVOICE_TRANSMISSION_DATE	N/A
RECEIPT_OF_GOODS	N/A

1.5.4.42 Payment Terms Type List

CodeName	CodeValue
BASIC_NET	N/A
BASIC_DISCOUNT_OFFERED	N/A
DEFERRED	N/A

DISCOUNT	N/A
DISCOUNT_AFTER_DEDUCTING_FREIGHT	N/A
DISCOUNT_NOT_APPLICABLE	N/A
ELECTIVE	N/A
END_OF_MONTH	N/A
EXTENDED	N/A
FIXED_DATE	N/A
INSTANT	N/A
MIXED	N/A
NO_CHARGE	N/A
PAYMENT_BY_INSTALLMENT	N/A
PREVIOUSLY_AGREED_UPON	N/A
PROXIMO	N/A
VALUTA	N/A

1.5.4.43 Price Date Type List

CodeName	CodeValue
ARRIVAL_DATE	N/A
ORDER_DATE	N/A
SHIP_DATE	N/A

1.5.4.44 Quantity Identification List

CodeName	CodeValue
IN_TRANSIT	N/A
ON_HAND	N/A
ON_HOLD	N/A
TO_BE_DELIVERED	N/A
TO_BE_DESPATCHED	N/A
TO_BE_PRODUCED	N/A

1.5.4.45 Rate Qualifier Type List

CodeName	CodeValue
EACH_OR_PER_PIECE	N/A
FLAT_RATE	N/A
MINIMUM	N/A
PER_CUBIC_FOOT_OR_PER_CUBIC_METRE	N/A
PER_DESPATCH_UNIT	N/A
PER_GALLON_OR_PER_LITRE	N/A
PER_HUNDRED_OF_BASIC_UNIT	N/A

PER_LOAD	N/A
PER_MILE_OR_PER_KILOMETRE	N/A
PER_SHIPMENT	N/A
PER_SQUARE_YARD_OR_PER_SQUARE_METRE	N/A

1.5.4.46 Residential Code List

CodeName	CodeValue
BUSINESS_DELIVERY	N/A
RESIDENTIAL_DELIVERY	N/A

1.5.4.47 Response Status List

CodeName	CodeValue
ACCEPTED	N/A
MODIFIED	N/A
REJECTED	N/A

1.5.4.48 Routing Number Type List

CodeName	CodeValue
01_ABA_TRANSIT_ROUTING_NUMBER	N/A
02_SWIFT_IDENTIFICATION	N/A
03_CHIPS	N/A
04_CANADIAN_BANK	N/A

1.5.4.49 Scan Activity Code List

CodeName	CodeValue
AGENT_SCAN	N/A
AIR_TRANSIT_SCAN	N/A
ARRIVAL	N/A
CANCEL_UNLOAD	N/A
CANCELLED_ARRIVAL	N/A
CANCELLED_DEPARTURE	N/A
DELETED_EXCEPTION	N/A
DELIVERY_INTERNATIONAL	N/A
DELIVERY_LEFT_AT_CUSTOMERS_LOCATION	N/A
DELIVERY_PACKAGE_DRIVER_RELEASED	N/A

DELIVERY_PACKAGE_RELEASE_NUMBER	N/A
DELIVERY_PACKAGE_REPORTED_PICKED_UP	N/A
DELIVERY_SIGNATURE_OBTAINED	N/A
DELIVERY_SIGNED_DELIVERY_NOTICE	N/A
DEPARTURE_SCAN	N/A
DESTINATION_SCAN	N/A
DRIVER_LOAD	N/A
EXCEPTION	N/A
EXPORT_SCAN	N/A
HUB_SCAN	N/A
IMPORT_SCAN	N/A
LOCATION_SCAN_OR_ORIGIN_SCAN	N/A
PICKUP_SCAN	N/A
UNLOAD_SCAN	N/A
UPDATED_ARRIVAL	N/A
UPDATED_DEPARTURE	N/A
UPDATED_EXCEPTION	N/A
WAREHOUSE_SCAN	N/A

1.5.4.50 Service Level Code List

CodeName	CodeValue
AUTHORIZED_RETURN_SERVICE	N/A
CONSIGNEE_BILLING_SERVICE	N/A
DELIVERY_CONFIRMATION	N/A
EXPEDITED_SERVICE	N/A
EXPEDITIED_SERVICE_WORLDWIDE	N/A
EXPRESS_SERVICE	N/A
EXPRESS_SERVICE_PLUS	N/A
GROUND	N/A
GROUND_CX_EXPRESS_SERVICE	N/A
MULTIWEIGHT	N/A
MUTUALLY_DEFINED	N/A
NEXT_DAY_AIR	N/A
NEXT_DAY_PM	N/A
NEXT_MORNING	N/A
PRIMARY_SERVICE_AREA_NEXT_DAY_BY_10:30_AM	N/A
PRIMARY_SERVICE_AREA_NEXT_DAY_BY_5:00_PM	N/A
SAME_DAY	N/A
SATURDAY	N/A

SATURDAY_PICKUP	N/A
SECOND_DAY_AIR	N/A
SECOND_MORNING	N/A
STANDARD_GROUND_HUNDRED_WEIGHT	N/A
STANDARD_SERVICE	N/A
THREE_DAY_SERVICE	N/A

1.5.4.51 Settlement List

CodeName	CodeValue
BILL_BACK	N/A
CHARGE_TO_BE_PAID_BY_CUSTOMER	N/A
CHARGE_TO_BE_PAID_BY_VENDOR	N/A
CREDIT_CUSTOMER_ACCOUNT	N/A
ITEM_ACCRUALS	N/A
OFF_INVOICE	N/A
VENDOR_ACCRUALS	N/A
VENDOR_CHECK	N/A

1.5.4.52 Shipment Exception Code List

CodeName	CodeValue
ALL_SHORT	N/A
DAMAGED	N/A
ENTIRE_SHIPMENT_REFUSED	N/A
LOST_OR_STOLEN	N/A
OVERAGE	N/A
PARTIAL_SHIPMENT	N/A
WRONG_PRODUCT	N/A

1.5.4.53 Shipment Special Handling Code List

CodeName	CodeValue
AM_DELIVERY_REQUIREMENT	N/A
BLIND_SHIPMENT	N/A
DEFERRED_DELIVERY	N/A
DISPOSE_OF_RESIDUE_HEEL	N/A
DO_NOT_BREAK_DOWN	N/A
DO_NOT_FREEZE	N/A
DO_NOT_SPLIT_SHIPMENT	N/A
DO_NOT_STACK	N/A

DROP_OFF_DELIVERY	N/A
DROP_YARD	N/A
EXCLUSIVE_USE_OF_VEHICLE	N/A
EXPEDITED_SERVICE	N/A
EXTRA_DRIVER	N/A
FRAGILE_HANDLE_WITH_CARE	N/A
GUARANTEED	N/A
HEAT	N/A
HEAT_IN_TRANSIT	N/A
HEAT_SPECIAL	N/A
HEAT_WITH_STEAM	N/A
INSIDE_PICKUP	N/A
KEEP_MATERIAL_DRY	N/A
LOAD_ON_TOP_OF_RESIDUE_HEEL	N/A
LOADED_TO_FULL_VISIBLE_CAPACITY	N/A
NEXT_DAY_DELIVERY	N/A
NOTIFY_CONSIGNEE_BEFORE_DELIVERY	N/A
PERISHABLE	N/A
PM_DELIVERY_REQUIRED	N/A
PROTECT_FROM_HEAT	N/A
REFRIGERATED	N/A
RESIDENTIAL_DELIVERY	N/A
ROUND_TRIP_SERVICE	N/A
SECOND_DAY_DELIVERY	N/A
SECURITY_SIGNATURE_SERVICE	N/A
SINGLE_SHIPMENT	N/A
TEMPERATURE_CONTROL	N/A
TOP_FREIGHT_ONLY	N/A

1.5.4.54 Shipment Status Code List

CodeName	CodeValue
ARRIVED_AT_CUSTOMS	N/A
ARRIVED_AT_DELIVERY_LOCATION	N/A
ARRIVED_AT_DELIVERY_LOCATION_LOADING_DOCK	N/A
ARRIVED_AT_PICKUP_LOCATION	N/A
ARRIVED_AT_PICKUP_LOCATION_LOADING_DOCK	N/A
ARRIVED_AT_TERMINAL_LOCATION	N/A
ATTEMPTED_DELIVERY	N/A
AVAILABLE_FOR_DELIVERY	N/A

CARRIER_DEPARTED_DELIVERY_LOCATION	N/A
CARRIER_DEPARTED_PICKUP_LOCATION_WITH_SHIPMENT	N/A
COMPLETED_LOADING_AT_PICKUP_LOCATION	N/A
COMPLETED_SHIPMENT	N/A
COMPLETED_UNLOADING_AT_DELIVERY_LOCATION	N/A
CONNECTING_LINE_OR_CARTAGE_PICKUP	N/A
DELIVER_NO_EARLIER_THAN_DATE_AND_OR_TIME	N/A
DELIVER_NO_LATER_THAN_DATE_AND_OR_TIME	N/A
DELIVERED_TO_CONNECTING_LINE	N/A
DELIVERY_APPOINTMENT_DATE_AND_OR_TIME	N/A
DELIVERY_APPOINTMENT_SECURED_ON_THIS_DATE_OR_TIME	N/A
DELIVERY_NOT_COMPLETED	N/A
DEPARTED_TERMINAL_LOCATION	N/A
DIVERTED_TO_AIR_CARRIER	N/A
EN_ROUTE_TO_DELIVERY_LOCATION	N/A
ESTIMATED_DATE_AND_OR_TIME_OF_ARRIVAL_AT CONSIGNEE	N/A
ESTIMATED_DELIVERY	N/A
ESTIMATED_DELIVERY_APPOINTMENT_DATE_AND_OR_TIME	N/A
ESTIMATED_TO_ARRIVE_AT_CARRIER_TERMINAL	N/A
ESTIMATED_TO_DEPART_TERMINAL_LOCATION	N/A
FINAL_PART_OF_PARTIAL_SHIPMENT_DELIVERED_TO_CUSTOM	N/A
IN_GATE	N/A
LOADED_ON_TRUCK	N/A
LOADING	N/A
ONLY_A_PORTION_OF_HANDLING_UNITS_FOR_SHIPMENT_DELI	N/A
OUT_GATE	N/A
PAPERWORK_RECEIVED_DID_NOT_RECEIVE_SHIPMENT_OR_EQU	N/A
PARTIAL_SHIPMENT	N/A
PICKUP_APPOINTMENT_DATE_AND_OR_TIME	N/A

PICKUP_APPOINTMENT_SECURED_ON_DATE_AND_OR_TIME	N/A
PICKUP_NO_EARLIER_THAN_DATE_AND_OR_TIME	N/A
PICKUP_NO_LATER_THAN_DATE_AND_OR_TIME	N/A
RAIL_ARRIVAL_AT_DESTINATION_INTERMODAL_RAMP	N/A
RAIL_DEPARTURE_FROM_ORIGIN_INTERMODAL_RAMP	N/A
RECEIVED_FROM_PRIOR_CARRIER	N/A
REFUSED_BY_CONSIGNEE	N/A
SHIPMENT_ACKNOWLEDGED	N/A
SHIPMENT_CANCELLED	N/A
SHIPMENT_DAMAGED	N/A
SHIPMENT_DELAYED	N/A
SHIPMENT_HAS_BEEN_RECONSIGNED	N/A
SHIPMENT_RETURNED_TO_SHIPPER	N/A
STORAGE_IN_TRANSIT	N/A
TENDERED_FOR_DELIVERY	N/A
TRAILER_CLOSED_OUT	N/A
TRAILER_SPOTTED_AT_CONSIGNEES_LOCATION	N/A
US_CUSTOMS_HOLD_AT_IN_BOND_LOCATION	N/A

1.5.4.55 Shipment Status Reason Code List

CodeName	CodeValue
ACCIDENT	N/A
ADDRESS_CORRECTED_DELIVERY_ATTEMPTED	N/A
ALTERNATE_CARRIER_DELIVERED	N/A
AWAITING_EXPORT	N/A
BORDER_CLEARANCE	N/A
CARRIER_DISPATCH_ERROR	N/A
CARRIER_KEYING_ERROR	N/A
CARTAGE_AGENT	N/A
CASH_NOT_AVAILABLE_FROM_CONSIGNEE	N/A
CIVIL_EVENT_RELATED_DELAY	N/A
COLLECT_ON_DELIVERY_REQUIRED	N/A
CONSIGNEE_CLOSED	N/A
CONSIGNEE_RELATED	N/A

CREDIT_HOLD	N/A
CUSTOMER_REQUESTED_FUTURE_DELIVERY	N/A
CUSTOMER_STRIKE	N/A
CUSTOMER_VACATION	N/A
CUSTOMER_WANTED_EARLIER_DELIVERY	N/A
CUSTOMS_IMPORT_OR_EXPORT	N/A
DAMAGED_REWRAPPED_IN_HUB	N/A
DELIVERY_SHORTAGE	N/A
DRIVER_NOT_AVAILABLE	N/A
DRIVER_RELATED	N/A
EXCEEDS_SERVICE_LIMITATIONS	N/A
FAILED_TO_RELEASE_BILLING	N/A
FLAT_CAR_SHORTAGE	N/A
HELD_FOR_CONSIGNEE	N/A
HELD_FOR_FULL_CARRIER_LOAD	N/A
HELD_FOR_PAYMENT	N/A
HELD_FOR_PROTECTIVE_SERVICE	N/A
HELD_PENDING_APPOINTMENT	N/A
HELD_PER_SHIPPER	N/A
HOLD_DUE_TO_CUSTOMS_DOCUMENTATION_PROBLEMS	N/A
HOLIDAY_CLOSED	N/A
IMPROPER_INTERNATIONAL_PAPERWORK	N/A
IMPROPER_UNLOADING_FACILITY_OR_EQUIPMENT	N/A
INCORRECT_ADDRESS	N/A
INDIRECT_DELIVERY	N/A
INSUFFICIENT_DELIVERY_TIME	N/A
INSUFFICIENT_PICKUP_TIME	N/A
INSUFFICIENT_TIME_TO_COMPLETE_DELIVERY	N/A
INTERNATIONAL_NON_CARRIER_DELAY	N/A
LOAD_SHIFTED	N/A
MECHANICAL_BREAKDOWN	N/A
MIS_SORT	N/A
MISSED_DELIVERY	N/A
MISSED_PICKUP	N/A
MISSING_DOCUMENTS	N/A
NO_REQUESTED_ARRIVAL_DATE_PROVIDE_BY_SHIPPER	N/A

NO_REQUESTED_ARRIVAL_TIME_PROVIDED_BY_SHIPPER	N/A
NON_EXPRESS_CLEARANCE_DELAY	N/A
NORMAL_APPOINTMENT	N/A
NORMAL_STATUS	N/A
OTHER	N/A
OTHER_CARRIER_RELATED	N/A
PAST_CUTOFF_TIME	N/A
PRE_ARRANGED_APPOINTMENT	N/A
PREVIOUS_STOP	N/A
PROCESSING_DELAY	N/A
PRODUCTION_FALLDOWN	N/A
RAILROAD_FAILED_TO_MEET_SCHEDULE	N/A
RECEIVING_TIME_RESTRICTED	N/A
RECIPIENT_UNAVAILABLE_DELIVERY_DELAYED	N/A
RECONSIGNED	N/A
REFUSED_BY_CUSTOMER	N/A
RESTRICTED_ARTICLES_UNACCEPTABLE	N/A
RETURNED_TO_SHIPPER	N/A
ROAD_CONDITIONS	N/A
SHIPMENT_OVERWEIGHT	N/A
SHIPPER_RELATED	N/A
SUSPENDED_AT_CUSTOMER_REQUEST	N/A
TRACTOR_CONVENTIONAL_NOT_AVAILABLE	N/A
TRACTOR_WITH_SLEEPER_CAR_NOT_AVAILABLE	N/A
TRAILER_CLASS_NOT_AVAILABLE	N/A
TRAILER_NOT_AVAILABLE	N/A
TRAILER_NOT_USABLE_DUE_TO_PRIOR_PRODUCT	N/A
TRAILER_VOLUME_NOT_AVAILABLE	N/A
TRAIN_DERAILMENT	N/A
TRAP_FOR_CUSTOMER	N/A
UNABLE_TO_CONTACT_RECIPIENT_FOR_BROKER_INFORMATION	N/A
UNABLE_TO_LOCATE	N/A
WAITING_FOR_CUSTOMER_PICKUP	N/A
WAITING_FOR_CUSTOMER_SPECIFIED_CARRIER	N/A
WAITING_INSPECTION	N/A

WAITING_SHIPPING_INSTRUCTIONS	N/A
WEATHER_OR_NATURAL_DISASTER_RELATED	N/A

1.5.4.56 Source Code List

CodeName	CodeValue
EANCOM	N/A
EANUCC	N/A
X12	N/A

1.5.4.57 Supplying Party Identification List

CodeName	CodeValue
MANUFACTURER	N/A
MATERIAL_SUPPLIER	N/A
WAREHOUSE	N/A
WHOLESALER	N/A

1.5.4.58 Time Format List

CodeName	CodeValue
DAYS	N/A
MONTHS	N/A
WEEKS	N/A

1.5.4.59 Transportation Method Type Code List

CodeName	CodeValue
AIR	N/A
AIR_CHARTER	N/A
AIR_EXPRESS	N/A
AIR_FREIGHT	N/A
BEST_WAY_SHIPPERS_OPTION	N/A
BOOK_POSTAL	N/A
BUS	N/A
CAB	N/A
CONSOLIDATION	N/A
CONTRACT_CARRIER	N/A
CUSTOMER_PICKUP	N/A
CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE	N/A
EXPEDITED_TRUCK	N/A

GEOGRAPHIC_RECEIVING	N/A
GEOGRAPHIC_RECEIVING_SHIPPING	N/A
GEOGRAPHIC_SHIPPING	N/A
INLAND_WATERWAY	N/A
INTERMODAL_PIGGYBACK	N/A
LESS_THAN_TRUCK_LOAD	N/A
MOTOR	N/A
MOTOR_COMMON_CARRIER	N/A
MOTOR_FLATBED	N/A
MOTOR_PACKAGE_CARRIER	N/A
MOTOR_TRUCKLOAD	N/A
MOTOR_VAN	N/A
MUTUALLY_DEFINED	N/A
OCEAN	N/A
PARCEL_POST	N/A
PIPELINE	N/A
POOL_TO_POOL	N/A
POOLED_AIR	N/A
POOLED_PIGGYBACK	N/A
POOLED_RAIL	N/A
POOLED_TRUCK	N/A
PRIVATE_CARRIER	N/A
PRIVATE_PARCEL_SERVICE	N/A
PRIVATE_VESSEL	N/A
RAIL	N/A
ROADRAILER	N/A
SEA_AIR	N/A
STEAM_SHIP	N/A
SUPPLIER_TRUCK	N/A

1.5.4.60 Truckload Special Service Code List

CodeName	CodeValue
CANADIAN_CUSTOMS_SELF_ASSESSMENT	N/A
CARRIER_LOAD_AND_COUNT	N/A
CARRIER_UNLOAD	N/A
CONSIGNEE_UNLOAD	N/A
DELIVERY	N/A
DRIVER_ASSISTED_UNLOADING	N/A
DROP_AND_HOOK_RECEIVING	N/A
DROP_DOCK	N/A
DROP_YARD	N/A
EXPEDITED_SERVICE	N/A

INSIDE_DELIVERY	N/A
INSIDE_PICKUP	N/A
LIFT_GATE	N/A
LOADING_SERVICE	N/A
PALLETIZING	N/A
RESIDENTIAL_DELIVERY	
SHIPPER_LOAD_AND_COUNT	N/A
SHIPPER_LOAD_CARRIER_COUNT	N/A
SHIPPER_LOAD_CONSIGNEE_UNLOAD	N/A
SLIP_SHEET_TRUCK	N/A
TANK_WASH_REQUIRED	N/A
TEMPERATURE_PROTECTION	N/A
THIRD_PARTY_PALLETS	N/A

1.5.4.61 Weight Type List

CodeName	CodeValue
ACTUAL_NET_WEIGHT	N/A
BILLED_WEIGHT	N/A
DEFICIT_WEIGHT	N/A
DIMENSIONAL_WEIGHT	N/A
GROSS_WEIGHT	N/A
MINIMUM_WEIGHT	N/A
MUTUALLY_DEFINED_WEIGHT	N/A
PALLET_WEIGHT	N/A
SHIPPERS_WEIGHT	N/A
STATE_WEIGHT	N/A
TARE_WEIGHT	N/A
THEORETICAL_WEIGHT	N/A

1.6   Business Document Example

Not Applicable

1.7   Implementation Considerations

Not Applicable

1.8 Testing

Not Applicable

1.8.1 Pass / Fail Criteria

Not Applicable

Nu mb er	Test Criteria	Related Re- quirement	Design Element	Pass Criteria	Fail Criteria
1					
2					
3					

1.8.2 Test Data

Not Applicable

1.9 Appendices

Class Diagrams are referenced in Chapter 3 and Chapter 4

1.10 Summary of Changes

(Details changes to BMS for each version by BMS Section)

Change	BMS Version	Associated CR Number
Section 3.5.3 Trade Item Identification Renamed Class • FROM:CommonAdditionalTradeItemIdentification • TO : AdditionalTradeItemIdentification Deleted role name +additionalTradeItemIdentification as the revised class name defaults to the same name.	0.1.2	For consistency to Party Identification structure.
Section 3.4.1 Extended Data Type Renamed Attributes in Class Character • Attribute FROM: character • Attribute TO : characterString Class TimeZone • Attribute FROM: timeZone • Attribute TO : timeZoneDesignator Class Version • Attribute FROM: version • Attribute TO : versionIdentification	0.1.2	To differentiate the class name and attribute name. Helps to avoid the duplicate data element names in our standards.
Removed Section 4.1 and 4.1.1 Application Receipt Acknowledgment	0.1.2	Removed as ARA is a message and is contained in it's own BRD P4CL: 4844 BRD Ver: 0.41.2
Finished Plan Common section 4.7 to 4.7.6	0.1.2	Finished the remaining balance of 2.0 publication common library
Section 3.2.1. Amount Renamed Attribute in Class Character and corrected dataType Typo Attribute FROM: currencyISOCode : ISO4217Code Attribute TO: currencyCode : ISO4217_Code	0.1.3	Avoid duplicate element name in message.

Change	BMS Version	Associated CR Number
Corrected dataType Typo in following classes and section Class: Description (3.2.3.) Class: LongDescription (3.2.4) Attribute FROM: language : ISO639Code Attribute TO : language : ISO639_Code:	0.1.3	
Renamed class BinarySignature (4.2.3.) FROM: BinarySignature TO : BinarySignatureInformation	0.1.3	Avoid duplicate element name in message.
Change in role name to match BRD. Order Logistical Information (4.4.1) OrderLogisticalDateGroup associated to Logisti-calDate Role FROM: requestedDeliveryDateUltimateConsignee Role TO : requestedDeliveryDateAtUltimateConsignee	0.1.3	Consistency and matches the BRD requirements.
Section 4.9.2 Name And Address Renamed Attribute in Class NameAndAddress Attribute FROM: currencyISOCode : ISO4217_Code Attribute TO : currencyCode : ISO4217_Code	0.1.3	Avoid duplicate element name in message.
Section 4.11.1 Allowance Charge Change in role name AllowanceCharge associated to MultiDescription Role FROM: description Role TO : allowanceChargeDescription	0.1.3	Avoid duplicate element name in message.
Section 3.5.2 Party Identification Change attribute name in AdditionalPartyIdentifica-tion Attribute FROM: additionalPartyIdentification Attirubte TO : additionalPartyIdentificationValue	0.1.4	Avoid duplicate element name
Added code list to common library in section 1.5.4.	0.1.4	Added code list

Change	BMS Version	Associated CR Number
Updated Deliver Reference Code List added following additional code values ACCOUNTS_RECEIVABLE_CUSTOMER_ACCOUNT AGENTS_SHIPMENT_NUMBER APPROPRIATION_NUMBER DEALER_ORDER_NUMBER EMPLOYERS_IDENTIFICATION_NUMBER FEDERAL_TAXPAYERS_IDENTIFICATION_NUMBER FOOD_AND_DRUG_ADMINISTRATION_FDA_PRODUCT_CODE INVALID_ACCOUNT_REASON_CODE LOCATION_NUMBER MANIFEST_KEY_NUMBER NEXT_AVAILABLE_FLIGHT_JOB_NUMBER PACKAGE_NUMBER PART_NUMBER PORT_CODE PRODUCTION_CODE PURCHASE_ORDER_ITEM_NUMBER PURCHASE_REQUISITION_NUMBER SALESPERSON SERIAL_NUMBER SERVICE_REQUEST_NUMBER SOCIAL_SECURITY_NUMBER SOFTWARE_APPLICATION_NUMBER VENDOR_IDENTIFICATION_NUMBER	0.1.5	Updated Code List
Replaced existing Exception Status Type Code List with the following values EXCEPTION_REASON_ONLY EXCEPTION_REASON_WITH_RESOLUTION EXCEPTION_REASON_WITH_STATUS	0.1.5	Updated Code List
Document Class: 3.1.2. For Datatype replaced Version=2.0 to	0.1.6.	Update

2 XML Technical Solution ITRG Packet

The Technical Representation of the Business process is documented in a Technical Solution ITRG Packet containing all supplemental XML artefacts and is used by the Information Requirements Group (ITRG) to evaluate the solution. Upon approval from the Information Technical Requirements Group (ITRG), the Technical Solution ITRG Packet is updated to the Technical Solution Implementers Packet and published with the Business

Message Standard at:
http://www.ean-ucc.org/global_smp/ean.ucc_standards.htm.

Technical Solution ITRG Packet Content:
- Business Message Standard (BMS)
- ITRG Review Packet
  - Style Sheet: This HTML has been created using a Style Sheet that is a visual representation of the data. It is not an actual Style Sheet, but an example of what a Style Sheet may look like.
  - Instance File: The Instance File is an example of what the schema may look like when it includes live data. This can be used as comparison to a completed schema and can serve as a point of reference for development.
  - Technical Level GDD Report

Technical Solution Implementers Packet Content:
Contains all the message specific.XSD files required to implement
Example:
- AS2Envelope
- Command.xsd
- DocumentCommand.xsd
- Proxy.xsd
- ComponentLibrary.xsd

Both the Business Message Standard and the Implementers Packet are available during the ITRG Review Period in the working documents section of the ITRG eRoom:

http://eroom.uc-council.org/eRoom/facility/InformationTechnicalAssessmentGroupITAG/0_14f7
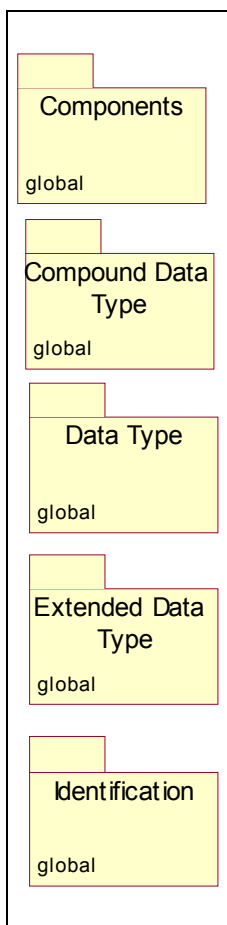
All documents for review will be in this folder listed by name of the Change Request and Change Request Number. The Business Message Standard is not open for review, but offered as the basis for determining the suitability of the technical solutions.

This eRoom may be accessed by using the following User Name and Password:

User Name: guest
Password: guest

3 Common Library Common Components

```
┌────────────────────────┐
│  ┌──────┐              │
│  │ Components          │
│  │                     │
│  │ global              │
│  └────────────┘        │
│  ┌──────┐              │
│  │ Compound Data       │
│  │    Type             │
│  │ global              │
│  └────────────┘        │
│  ┌──────┐              │
│  │ Data Type           │
│  │                     │
│  │ global              │
│  └────────────┘        │
│  ┌──────┐              │
│  │ Extended Data       │
│  │    Type             │
│  │ global              │
│  └────────────┘        │
│  ┌──────┐              │
│  │ Identification      │
│  │                     │
│  │ global              │
│  └────────────┘        │
└────────────────────────┘
```

3.1 Package Overview: Components

```
┌──────────────────────────────────────────────────────────┐
│  ┌──────┐        ┌──────┐        ┌──────┐                │
│  │ Date and Time  │ Document       │ Range              │
│  │                │                │                    │
│  │ global         │ global         │ global             │
│  └────────────┘   └────────────┘   └────────────┘       │
└──────────────────────────────────────────────────────────┘
```
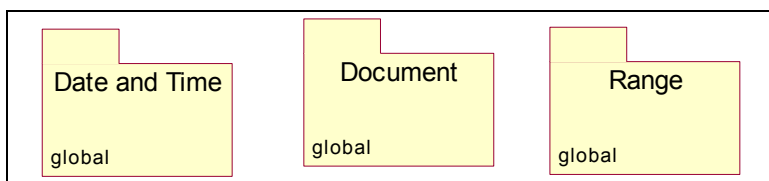
3.1.1 Class Diagram: Date and Time

Common Components: Components: Date and Time

```
┌──────────────────────┐     ┌──────────────────────────────┐
│     TimePeriod        │     │       DateTimePeriod          │
├──────────────────────┤     ├──────────────────────────────┤
│ beginDate : Date      │     │ beginDateTime : DateTime      │
│ endDate : Date        │     │ endDateTime : DateTime        │
└──────────────────────┘     └──────────────────────────────┘
```
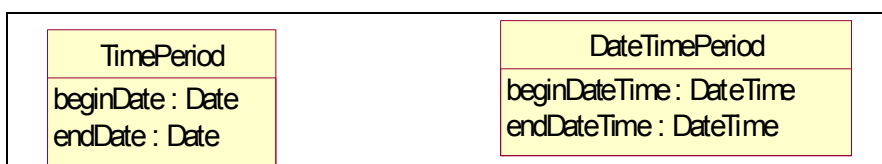
3.1.2 Class Diagram: Document

Common Components: Components: Document

```
                <<abstract>>
                 Document
creationDateTime : DateTime
documentStatus : DocumentStatusList
contentVersion[0..1] : Version
documentStructureVersion[0..1] : Version
lastUpdateDate[0..1] : Date
```

```
                              LineItem
                     lineItemNumber : Integer



     Reference
referenceDateTime : DateTime    <    DetailLevelReference
referenceIdentification : String
                            1
```
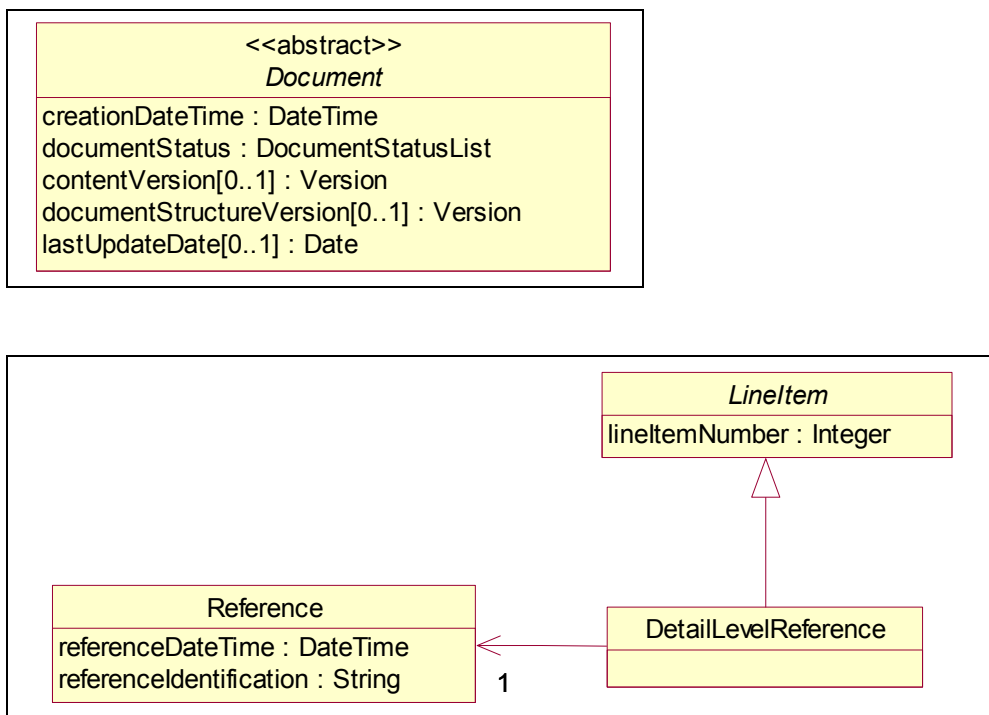
3.1.3 Class Diagram: Range

Common Components: Components: Range

```
  AmountRange                      MeasurementRange
maximum : Amount          maximum : MeasurementValue
minimum : Amount          minimum : MeasurementValue


          Range
      maximum : Float
      maximumType : String
      minimum : Float
      minimumType : String
```
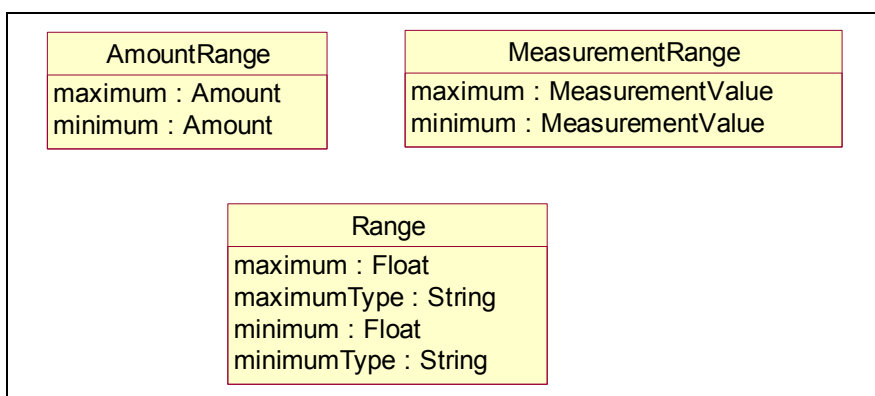
3.2 Package Overview: Compound Data Type
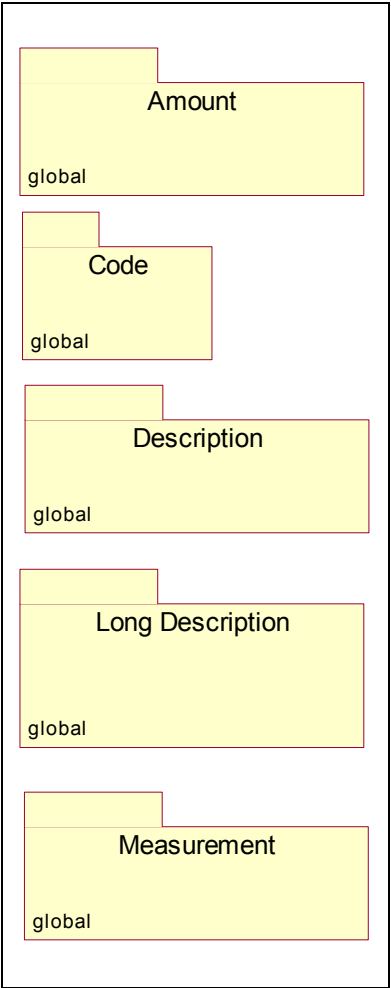
3.2.1 Class Diagram: Amount

Common Components: Compound Data Type: Amount

3.2.2 Class Diagram: Code

Common Components: Compound Data Type: Code

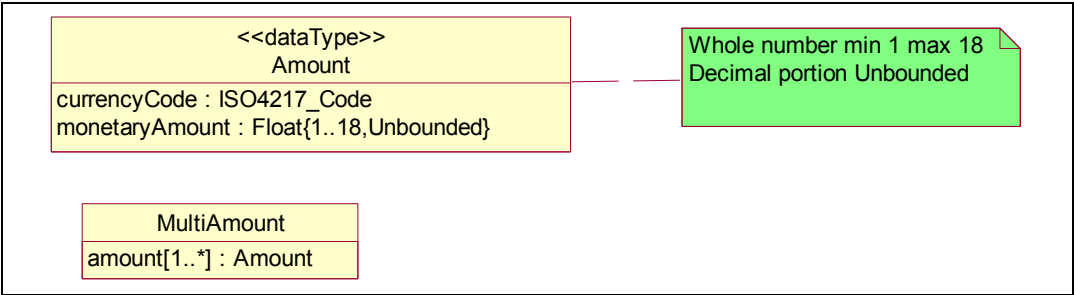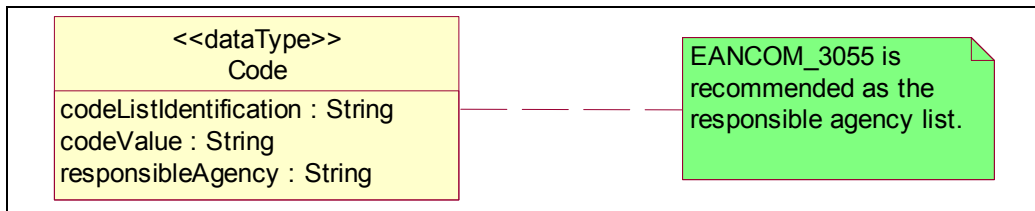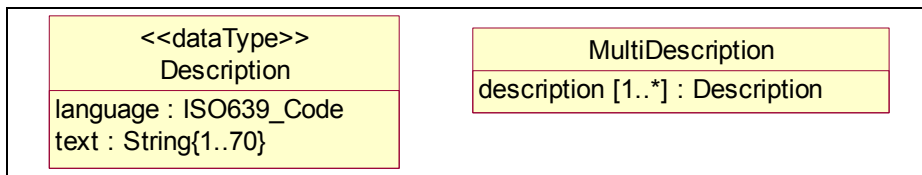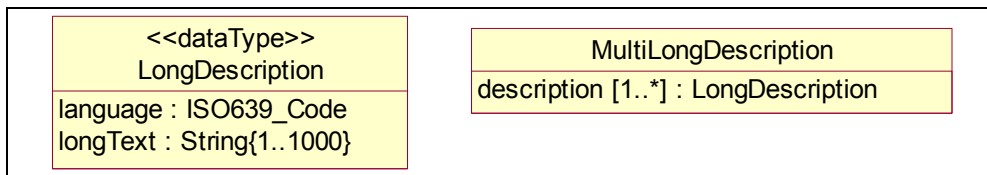```
<<dataType>>
Code
codeListIdentification : String
codeValue : String
responsibleAgency : String
```

EANCOM_3055 is recommended as the responsible agency list.

### 3.2.3  Class Diagram: Description

Common Components: Compound Data Type: Description

```
<<dataType>>
Description
language : ISO639_Code
text : String{1..70}
```

```
MultiDescription
description [1..*] : Description
```

3.2.4 Class Diagram: Long Description

Common Components: Compound Data Type: Long Description

```
<<dataType>>
LongDescription
language : ISO639_Code
longText : String{1..1000}
```

```
MultiLongDescription
description [1..*] : LongDescription
```

3.2.5 Class Diagram: Measurement

Common Components: Compound Data Type: Measurement

UN/ECE Recommendation 20 is referenced as possible values for unit of measure.

```
<<dataType>>
MeasurementValue
unitOfMeasure : String
value : Float{1..15, Unbounded}
```

Whole number min 1 max 15 Decimal portion Unbounded

```
MultiMeasurementValue
measurementValue [1..*] : MeasurementValue
```
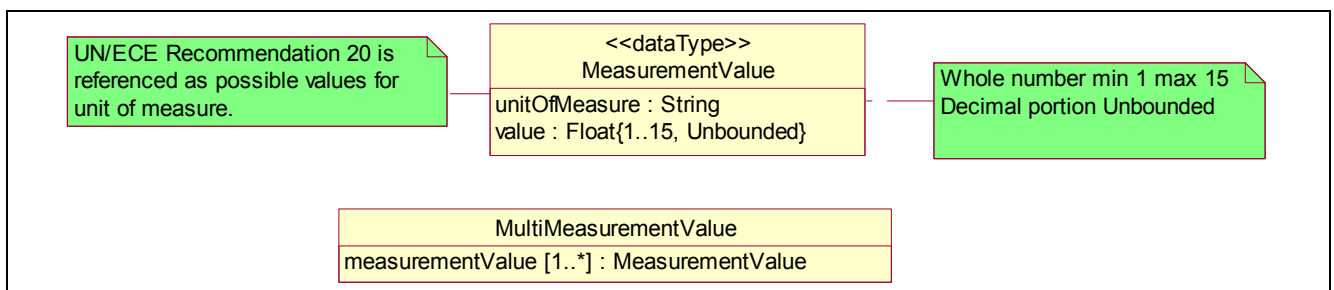
3.3 Package Overview: Data Type
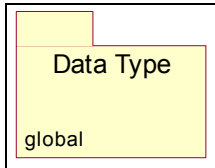
3.3.1 Class Diagram: Data Type

Common Components: Data Type

3.4   Package Overview: Extended Data Type

```
Extended Data
    Type

global
```
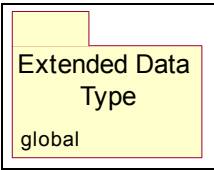
3.4.1   Class Diagram: Extended Data Type

Common Components: Extended Data Type

<<dataType>>	<<dataType>>
ISO639_Code	**Character**
languageISOCode : String	characterString : String{1..1}

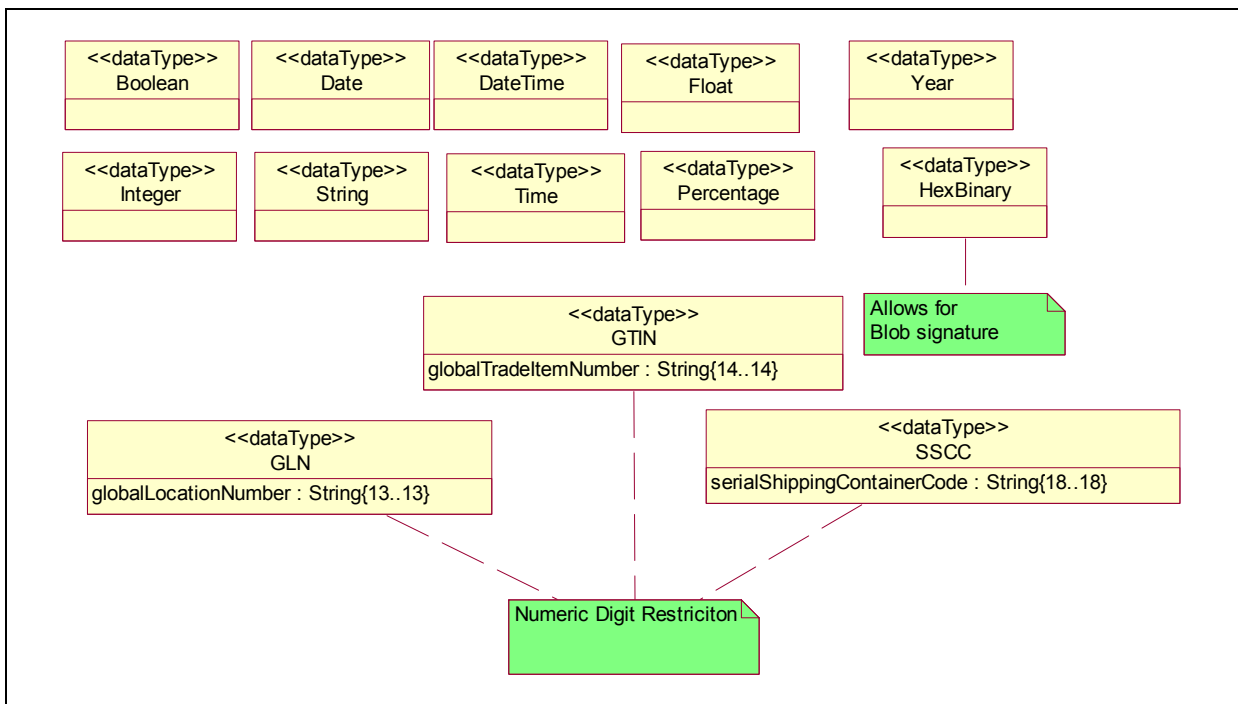| <<dataType>>	<<dataType>>
ISO4217_Code	**TimeZone**
currencyISOCode : String	timeZoneDesignator : String

<<dataType>>	<<dataType>>
ISO3166_1Code	**Version**
countryISOCode : String	versionIdentification : String

<<dataType>>	<<dataType>>
ISO3166_2Code	**Integer_32Bit**
countrySubDivisionISOCode : String	
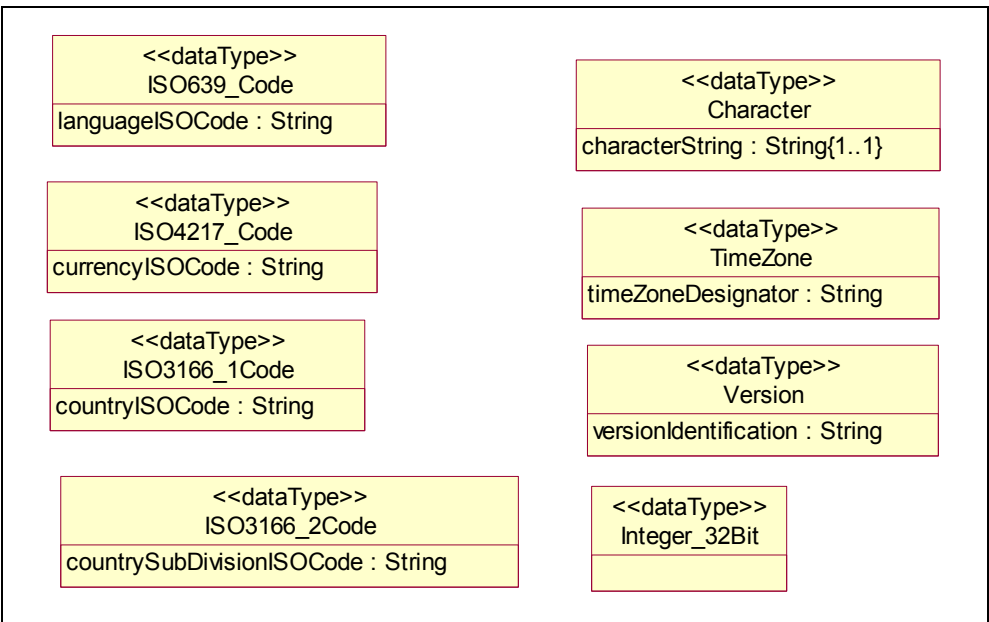
3.5 Package Overview: Identification
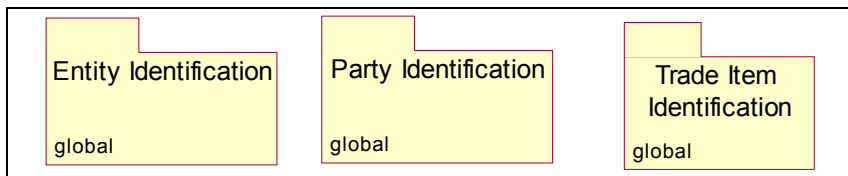
3.5.1 Class Diagram Identification: Entity Identification

Common Components: Identification: Entity Identification

3.5.2 Class Diagram: Identification: Party Identification

Common Components: Identification: Party Identification

```
┌──────────────────────────────────────────────────────────────────────┐
│                    ┌─────────────────────────────────┐                 │
│                    │        PartyIdentification      │                 │
│                    ├─────────────────────────────────┤                 │
│                    │  globalLocationNumber : GLN      │                 │
│                    └─────────────────────────────────┘                 │
│                                      │                                 │
│                                      │                                 │
│                                      │  0..*                          │
│                                      ▼                                 │
│       ┌──────────────────────────────────────────────────────┐        │
│       │              AdditionalPartyIdentification             │        │
│       ├──────────────────────────────────────────────────────┤        │
│       │ additionalPartyIdentificationType : AdditionalPartyIdentificationList │
│       │ additionalPartyIdentificationValue : String            │        │
│       └──────────────────────────────────────────────────────┘        │
└──────────────────────────────────────────────────────────────────────┘
```
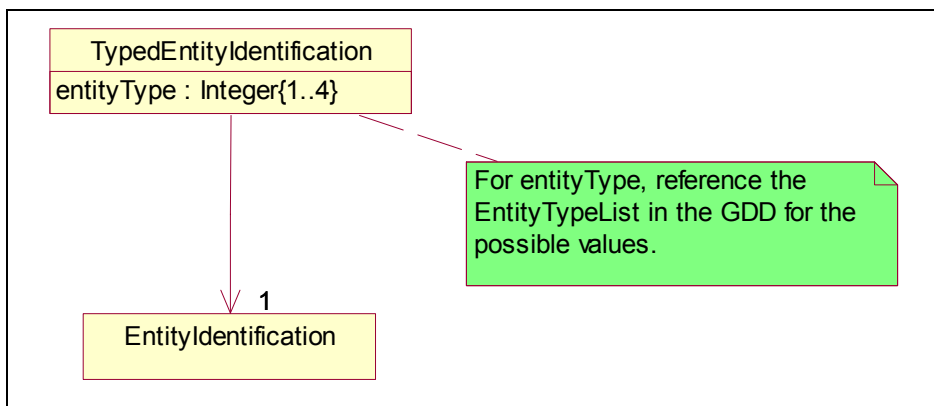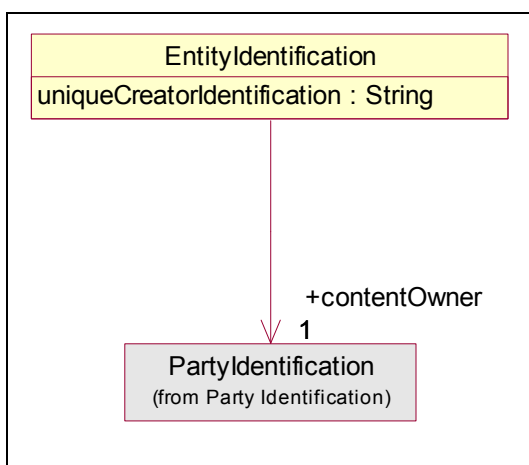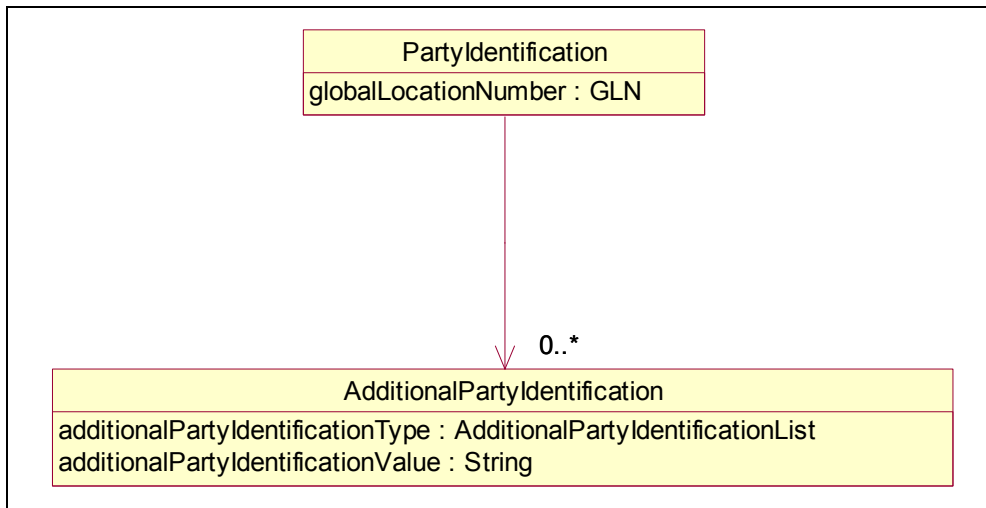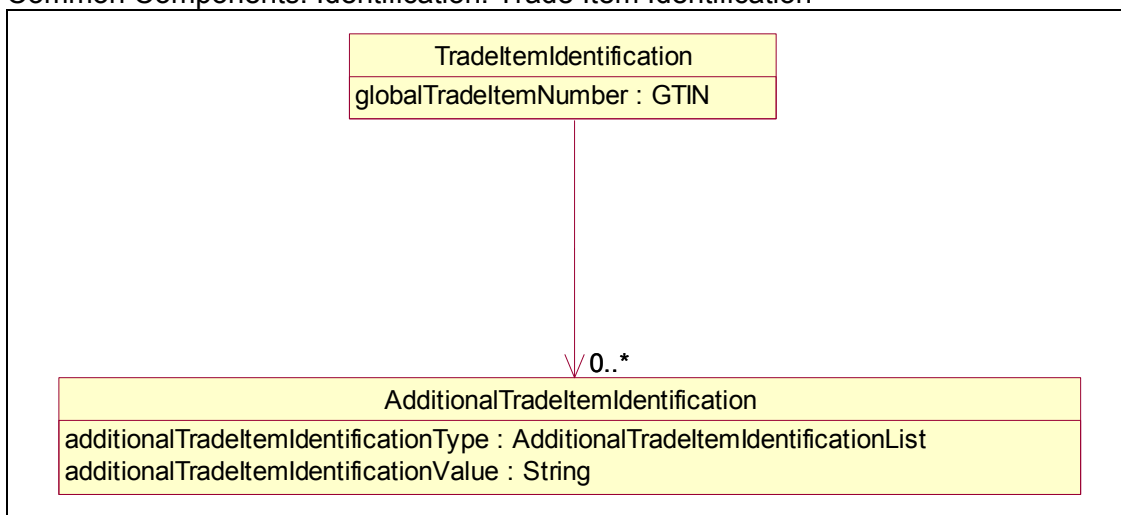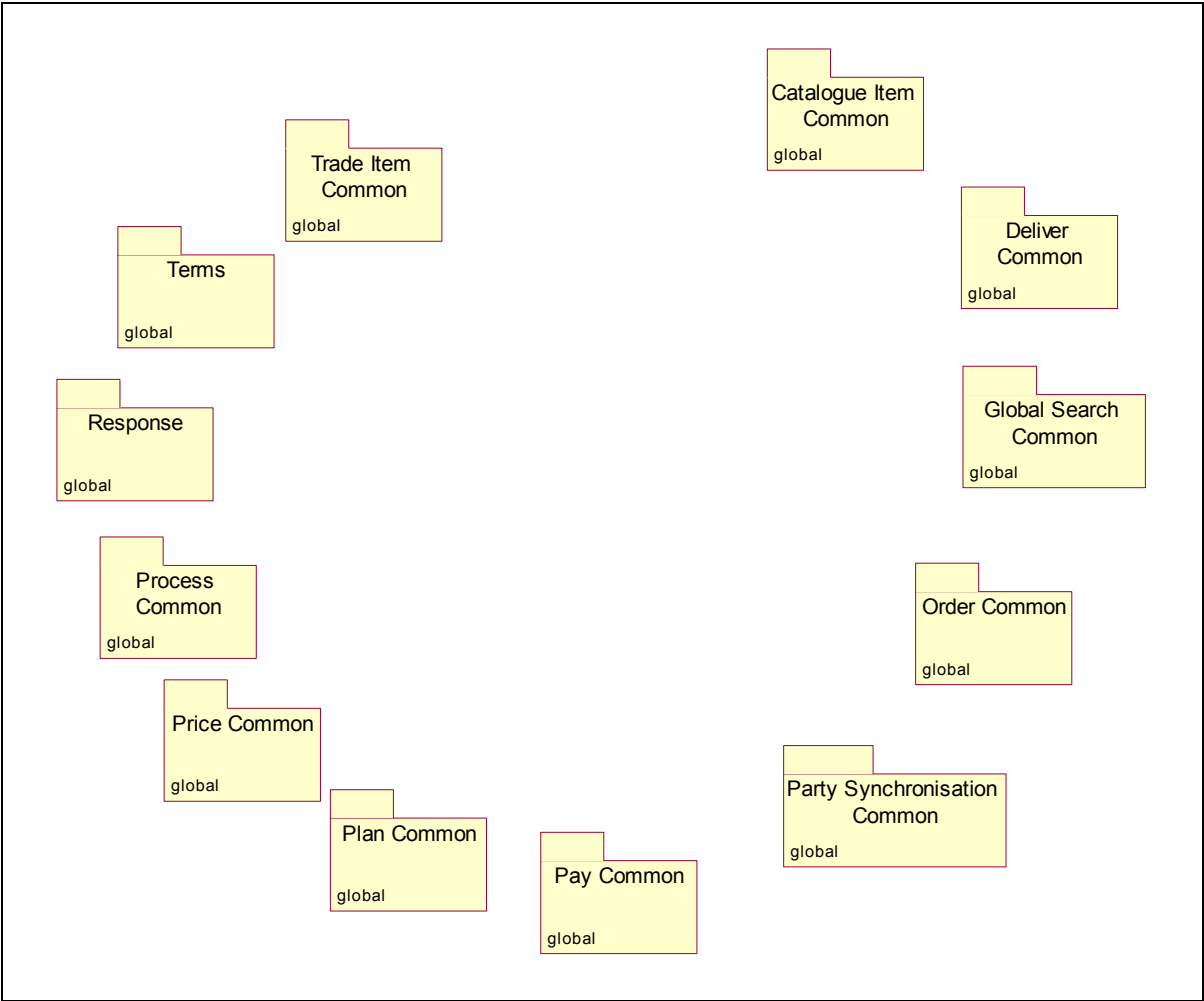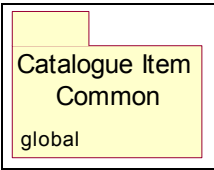
3.5.3   Class Diagram: Identification: Trade Item Identification

Common Components: Identification: Trade Item Identification

```
┌──────────────────────────────────────────────────────────────────────┐
│                    ┌─────────────────────────────────┐                 │
│                    │        TradeItemIdentification   │                 │
│                    ├─────────────────────────────────┤                 │
│                    │  globalTradeItemNumber : GTIN    │                 │
│                    └─────────────────────────────────┘                 │
│                                      │                                 │
│                                      │                                 │
│                                      │  0..*                          │
│                                      ▼                                 │
│  ┌──────────────────────────────────────────────────────────────┐    │
│  │              AdditionalTradeItemIdentification                  │    │
│  ├──────────────────────────────────────────────────────────────┤    │
│  │ additionalTradeItemIdentificationType : AdditionalTradeItemIdentificationList │
│  │ additionalTradeItemIdentificationValue : String                │    │
│  └──────────────────────────────────────────────────────────────┘    │
└──────────────────────────────────────────────────────────────────────┘
```

4 Package Overview : Process Common Components

Trade Item Common
global

Catalogue Item Common
global

Terms
global

Deliver Common
global

Response
global

Global Search Common
global

Process Common
global

Order Common
global

Price Common
global

Party Synchronisation Common
global

Plan Common
global

Pay Common
global

4.1   Package Overview: Catalogue Item Common

Catalogue Item
Common

global

4.1.1   Class Diagram: Catalogue Item Common

Process Common Components: Catalogue Item Common

CatalogueItemReference

dataSource : GLN
gTIN : GTIN

1

TargetMarket

targetMarketCountryCode : ISO3166_1Code
targetMarketSubdivisionCode[0..1] : ISO3166_2Code

CatalogueItemClassification

classificationCategoryCode : String
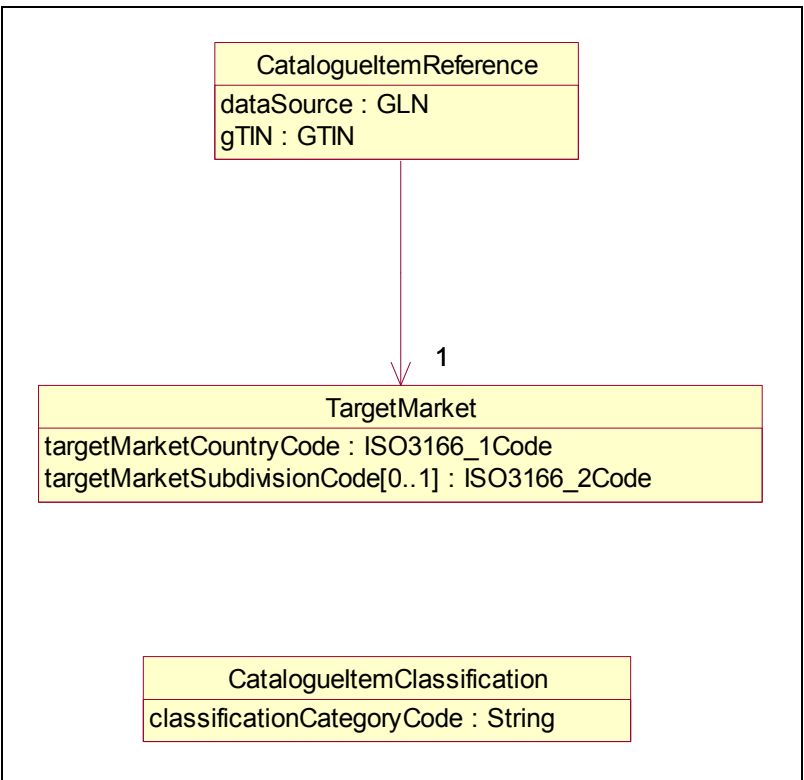
4.2   Package Overview: Deliver Common
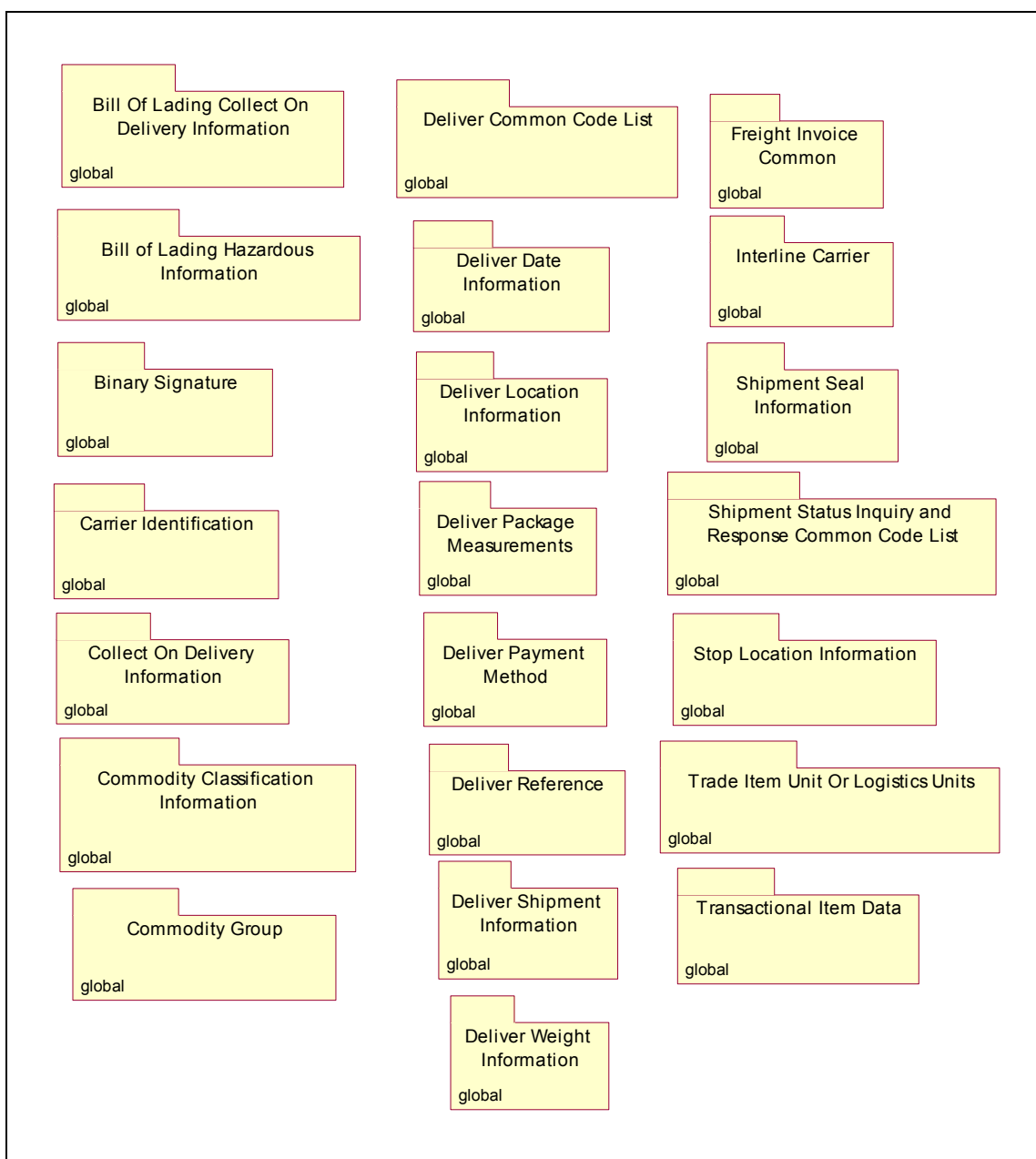
4.2.1   Class Diagram: Bill of Lading Collect On Delivery Information

Process Common Components: Deliver Common: Bill Of Lading Collect On Delivery Information

```
BillOfLadingCollectOnDeliveryInformation
isCustomerCheckAcceptable : Boolean
cODAmount [0..1] : Amount
cODTermsOfPayment [0..1] : DeliverPaymentMethodCodeList
```
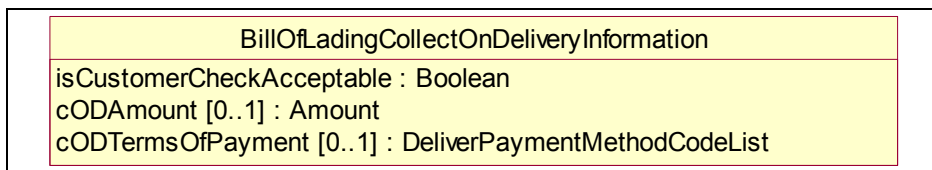
4.2.2   Class Diagram: Bill of Lading Hazardous Information

Process Common Components: Deliver Common: Bill of Lading Hazardous Information
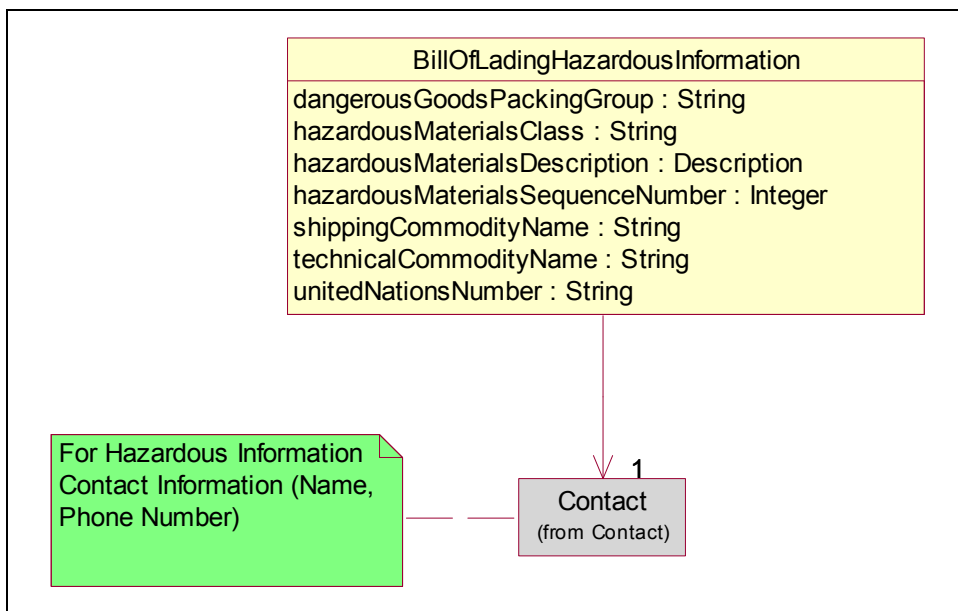
4.2.3   Class Diagram: Binary Signature

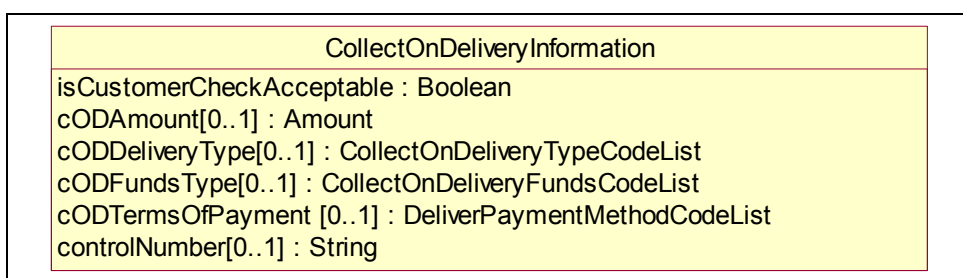Process Common Components: Deliver Common: Binary Signature Information

```
BinarySignatureInformation
binarySignature : HexBinary
```
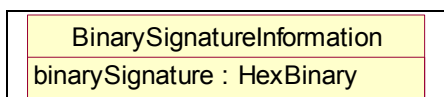
4.2.4   Class Diagram: Carrier Identification

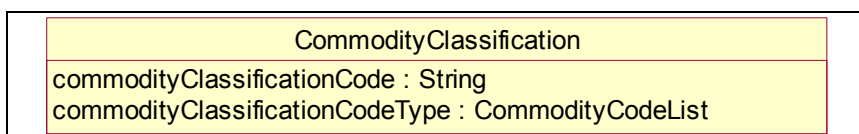Process Common Components: Deliver Common: Carrier Identification

The diagram shows:

- **CarrierIdentification** — carrierPROIdentification[0..1] : String — with association +carrierIdentification (1) to **PartyIdentification** (from Party Identification)
- Note (green): Standard Carrier Alpha Code is mandated in the North American community as the additional identifier for the carrier.
- **CarrierPROIdentificationInformation** — carrierPROIdentification : String — with association +carrierIdentification (1) to **PartyIdentification** (from Party Identification)

4.2.5   Class Diagram: Collect on Delivery Information

Process Common Components: Deliver Common: Collect on Delivery Information

CollectOnDeliveryInformation
isCustomerCheckAcceptable : Boolean
cODAmount[0..1] : Amount
cODDeliveryType[0..1] : CollectOnDeliveryTypeCodeList
cODFundsType[0..1] : CollectOnDeliveryFundsCodeList
cODTermsOfPayment [0..1] : DeliverPaymentMethodCodeList
controlNumber[0..1] : String

4.2.6   Class Diagram: Commodity Classification Information

Process Common Components: Deliver Common: Commodity Classification Information
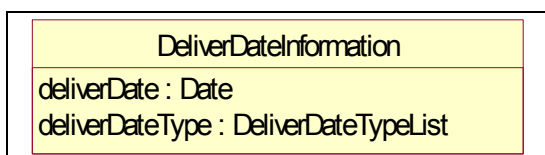
CommodityClassification
commodityClassificationCode : String
commodityClassificationCodeType : CommodityCodeList

4.2.7   Class Diagram: Commodity Group
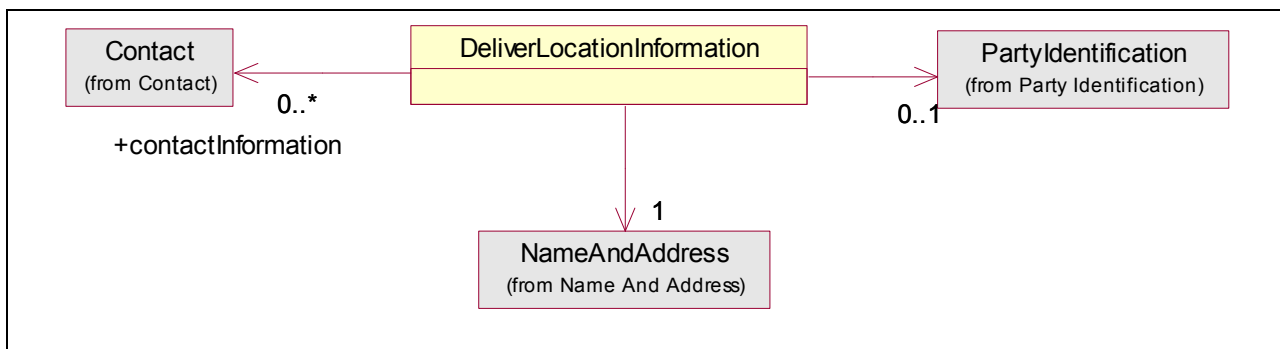
Process Common Components: Deliver Common: Commodity Group

```
┌─────────────────────────────────────────────┐
│              CommodityGroup                   │
├─────────────────────────────────────────────┤
│ commodityCode : CommodityCodeList             │
│ commodityDescription : Description            │
│ commodityQuantity : Integer                   │
│ commodityWeight : MeasurementValue            │
└─────────────────────────────────────────────┘
```
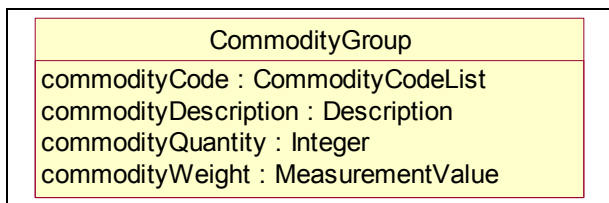
4.2.8   Class Diagram: Deliver Date Information

Process Common Components: Deliver Common: Deliver Date Information

```
┌──────────────────────────────────────┐
│          DeliverDateInformation        │
├──────────────────────────────────────┤
│ deliverDate : Date                     │
│ deliverDateType : DeliverDateTypeList  │
└──────────────────────────────────────┘
```

4.2.9   Class Diagram: Deliver Location Information

Process Common Components: Deliver Common: Deliver Location Information

4.2.10 Class Diagram: Deliver Package Measurements

Process Common Components: Deliver Common: Deliver Package Measurements

PackageDimension with +packageLength, +packageHeight, +packageWidth (each 1) to MultiMeasurementValue (from Measurement)
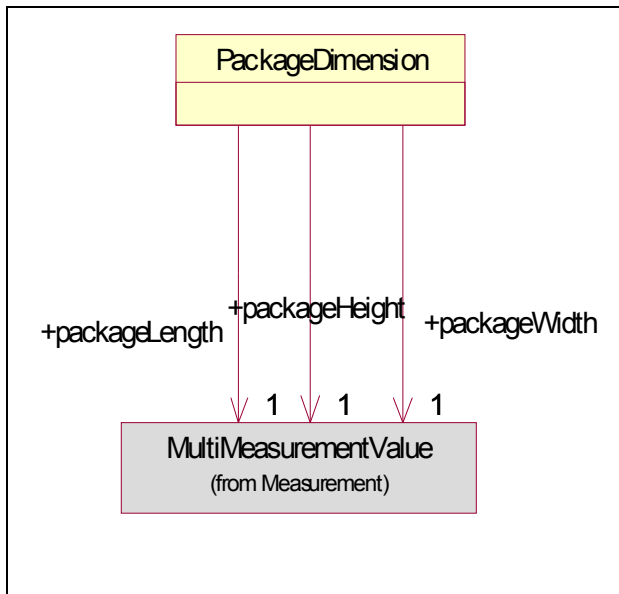
4.2.11 Class Diagram: Deliver Payment Method

Process Common Components : Deliver Common : Deliver Payment Method

| DeliverPaymentMethod |
| --- |
| deliverPaymentMethodType : DeliverPaymentMethodCodeList
accountNumber[0..1] : String |
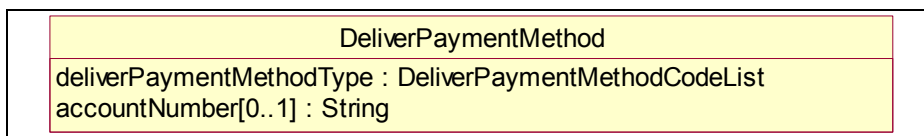
4.2.12 Class Diagram: Deliver Reference

Process Common Components: Deliver Common : Deliver Reference

DeliverReference
deliverReferenceIdentification : String deliverReferenceType : DeliverReferenceCodeLIst
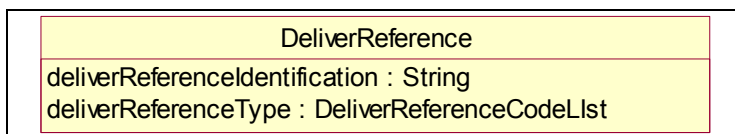
4.2.13 Class Diagram: Deliver Shipment Information

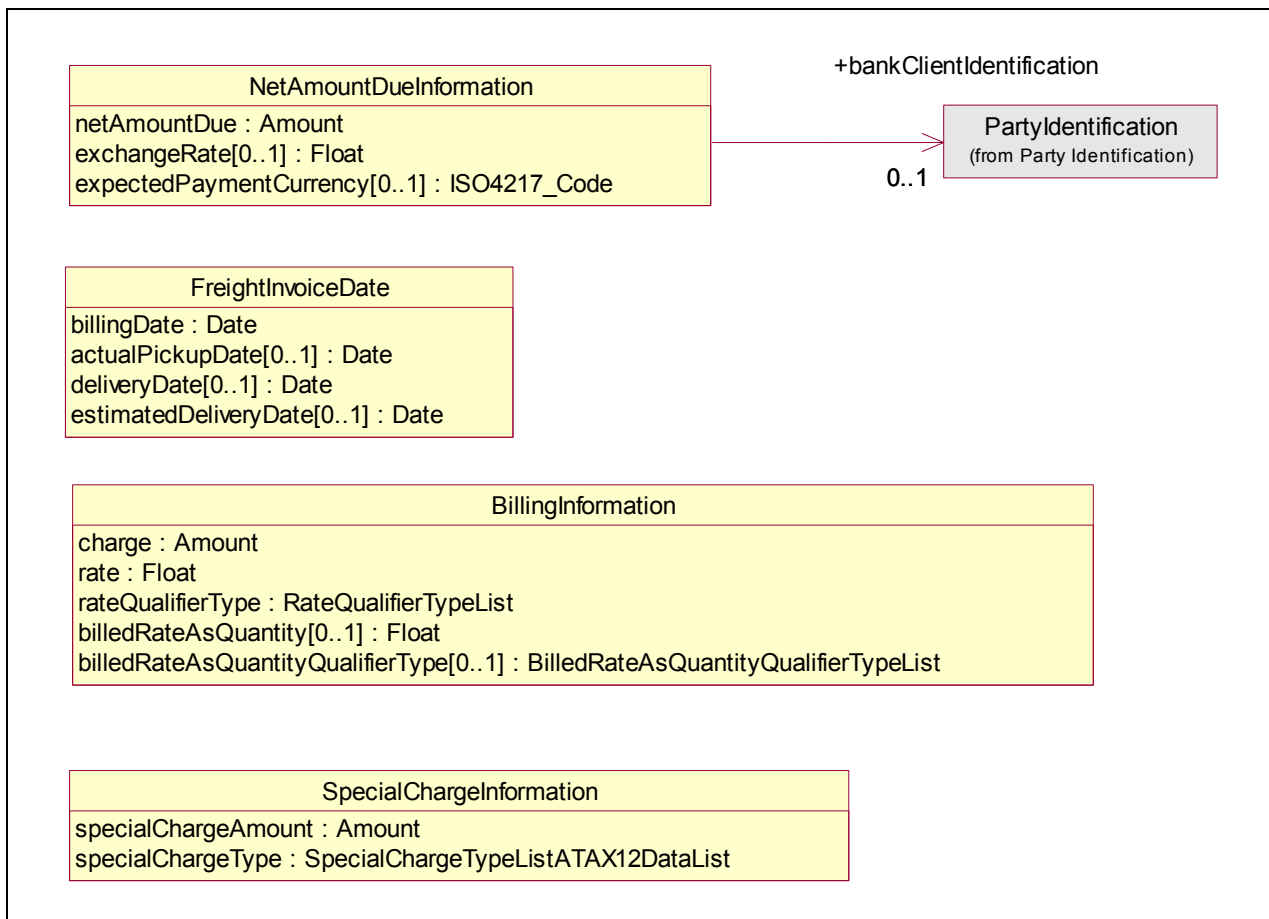Process Common Components: Deliver Common : Deliver Shipment Information
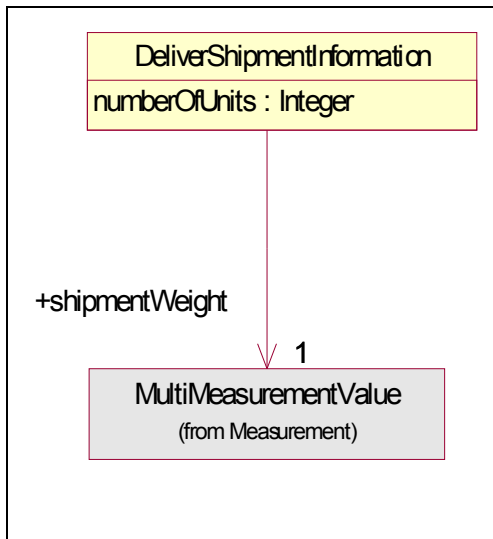
4.2.14 Class Diagram: Deliver Weight Information

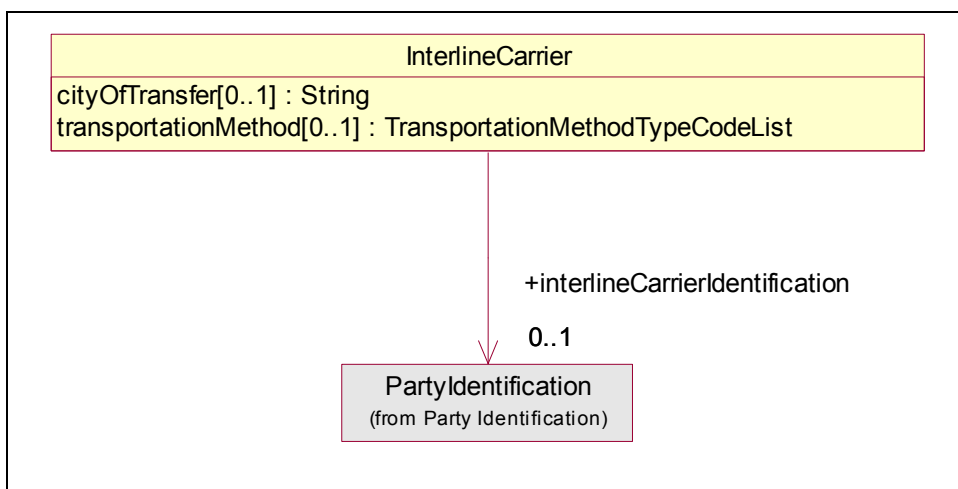Process Common Components: Deliver Common: Deliver Weight Information
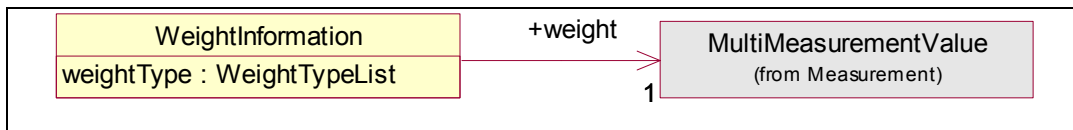
4.2.15 Class Diagram: Freight Invoice Common

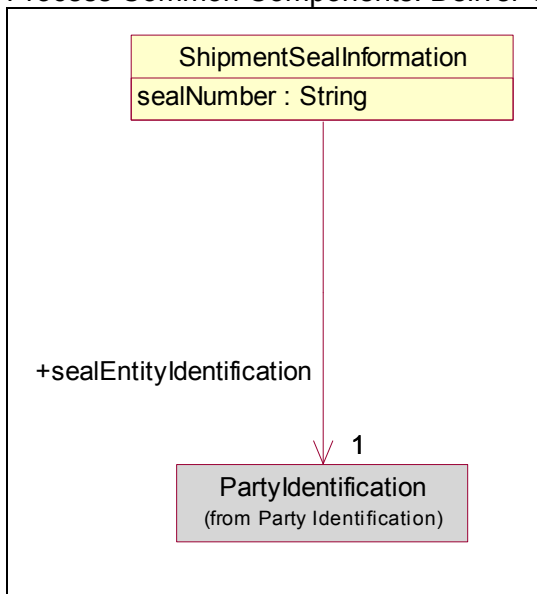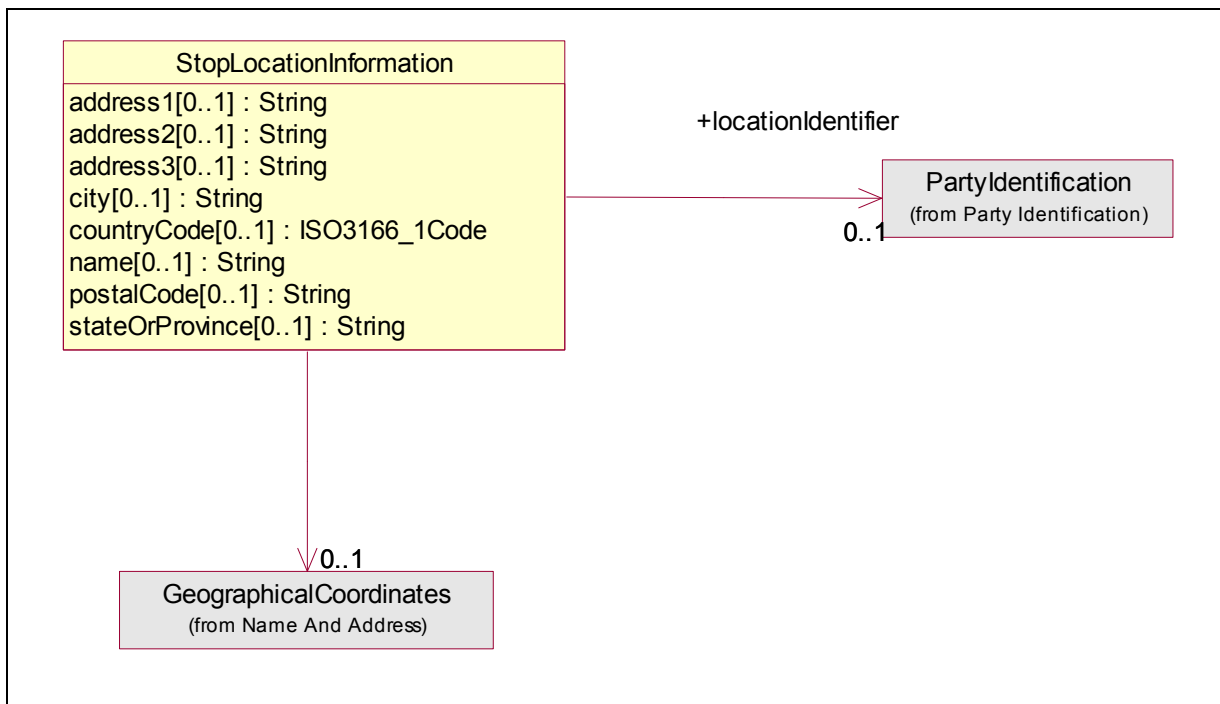Process Common Components: Deliver Common: Freight Invoice Common

NetAmountDueInformation

netAmountDue : Amount
exchangeRate[0..1] : Float
expectedPaymentCurrency[0..1] : ISO4217_Code

+bankClientIdentification

PartyIdentification
(from Party Identification)

0..1

FreightInvoiceDate

billingDate : Date
actualPickupDate[0..1] : Date
deliveryDate[0..1] : Date
estimatedDeliveryDate[0..1] : Date

BillingInformation

charge : Amount
rate : Float
rateQualifierType : RateQualifierTypeList
billedRateAsQuantity[0..1] : Float
billedRateAsQuantityQualifierType[0..1] : BilledRateAsQuantityQualifierTypeList

SpecialChargeInformation

specialChargeAmount : Amount
specialChargeType : SpecialChargeTypeListATAX12DataList

4.2.16 Class Diagram: Interline Carrier

Process Common Components: Deliver Common: Interline Carrier

InterlineCarrier

cityOfTransfer[0..1] : String
transportationMethod[0..1] : TransportationMethodTypeCodeList

+interlineCarrierIdentification

0..1

PartyIdentification
(from Party Identification)

4.2.17 Class Diagram: Shipment Seal Information

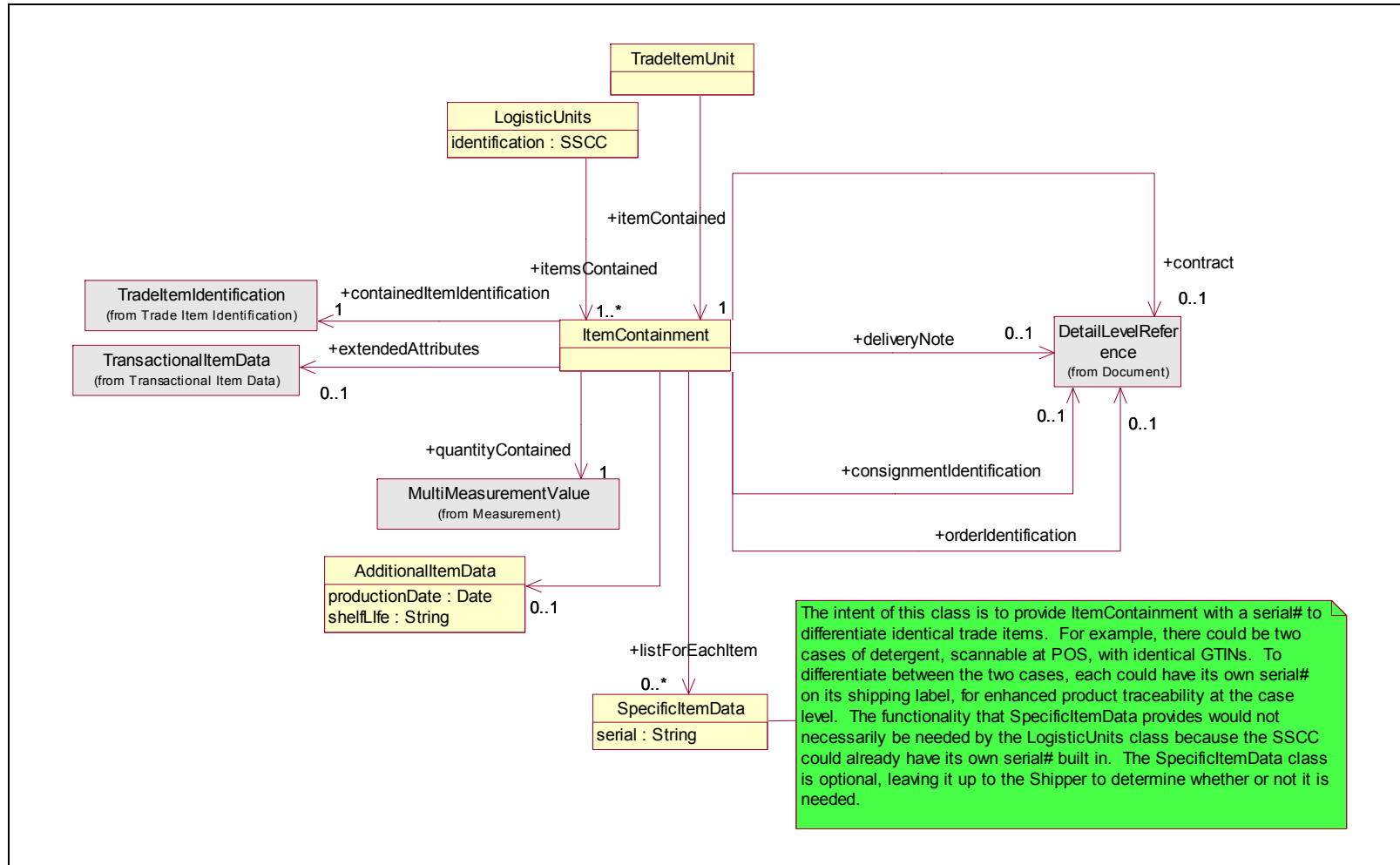Process Common Components: Deliver Common: Shipment Seal Information

4.2.18 Class Diagram: Stop Location Information

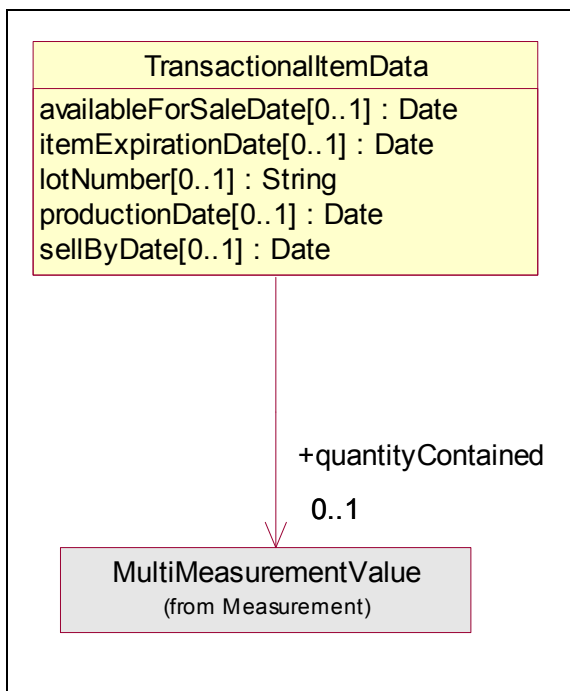Process Common Components: Deliver Common : Stop Location Information

4.2.19 Class Diagram: Trade Item Unit Or Logistics Units

Process Common Components: Deliver Common: Trade Item Unit Or Logistics Units
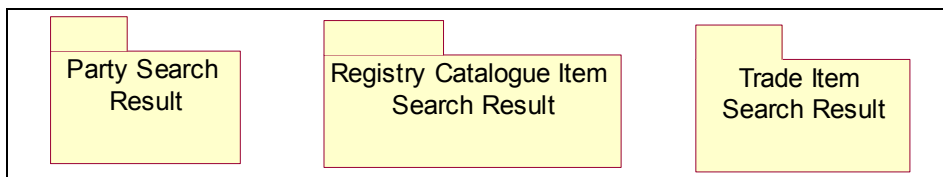
4.2.20 Class Diagram: Transactional Item Data

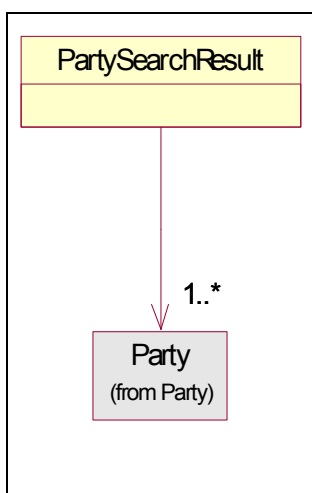Process Common Components: Deliver Common: Transactional Item Data

4.3   Package Overview: Global Search Common

Process Common Components: Global Search Common
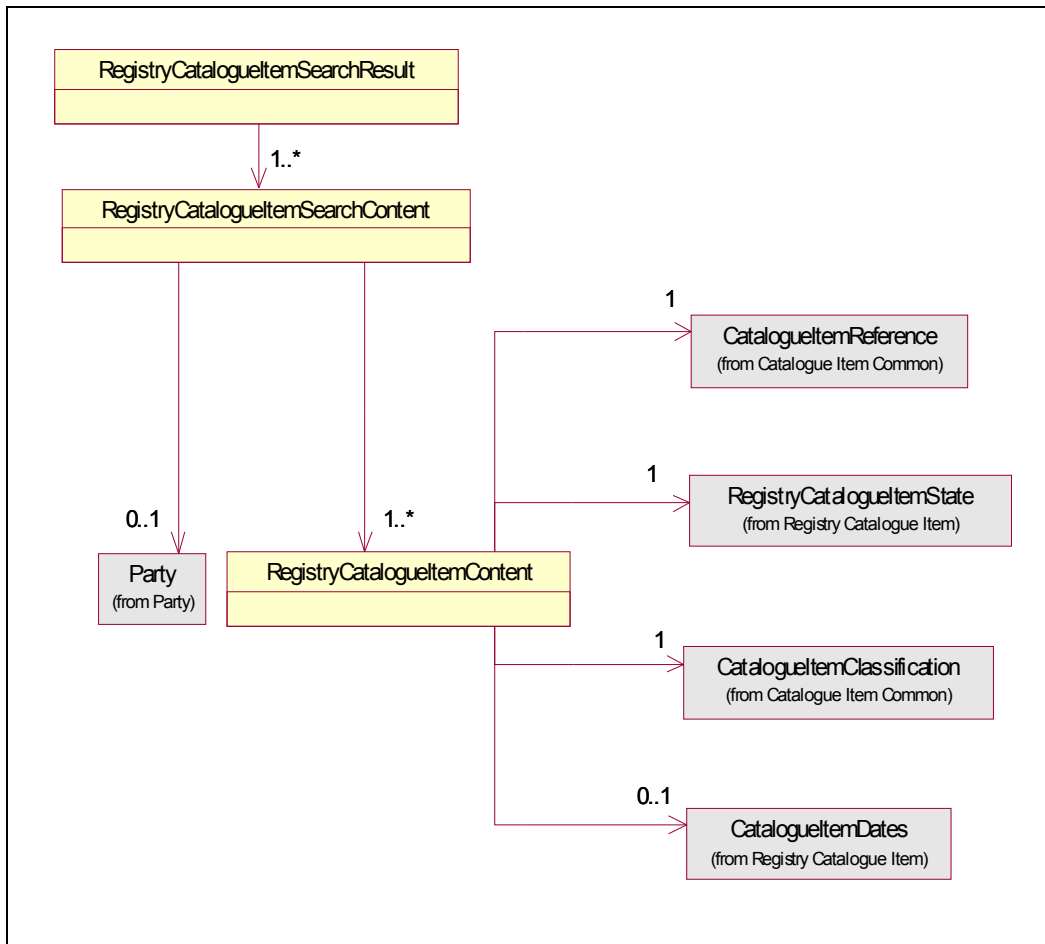

4.3.1   Class Diagram: Party Search Result

Process Common Components: Global Search Common: Party Search Result

4.3.2   Class Diagram: Registry Catalogue Item Search Result
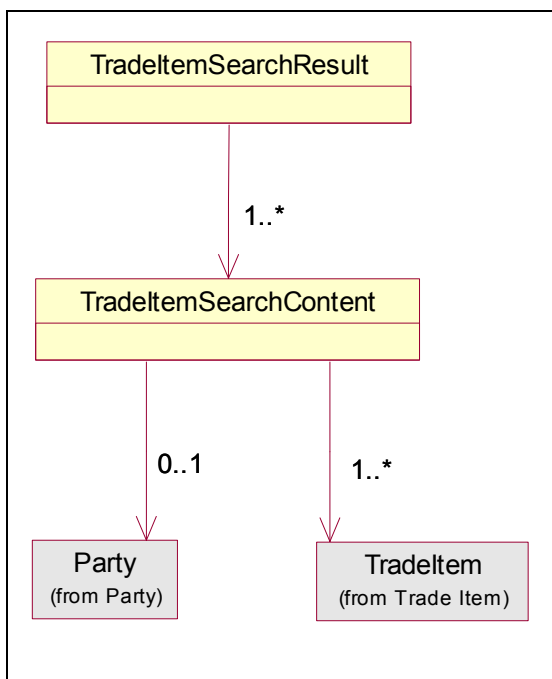
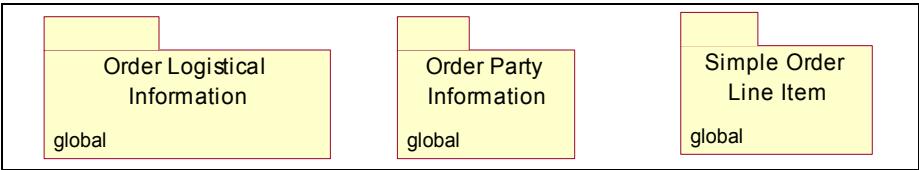Process Common Components: Global Search Common: Registry Catalogue Item Search Result

4.3.3 Class Diagram: Trade Item Search Result

Process Common Components: Global Search Common: Trade Item Search Result

```
┌─────────────────────────────────────────────────┐
│   ┌─────────────────────────────────┐            │
│   │ TradeItemSearchResult           │            │
│   ├─────────────────────────────────┤            │
│   │                                 │            │
│   └─────────────────────────────────┘            │
│              │                                    │
│              │ 1..*                               │
│              ▼                                    │
│   ┌─────────────────────────────────┐            │
│   │ TradeItemSearchContent          │            │
│   ├─────────────────────────────────┤            │
│   │                                 │            │
│   └─────────────────────────────────┘            │
│         │              │                          │
│         │ 0..1         │ 1..*                     │
│         ▼              ▼                          │
│   ┌──────────┐   ┌──────────────────┐            │
│   │ Party    │   │ TradeItem        │            │
│   │(from     │   │(from Trade Item) │            │
│   │ Party)   │   │                  │            │
│   └──────────┘   └──────────────────┘            │
└─────────────────────────────────────────────────┘
```

4.4 Package Overview: Order Common

Process Common Components: Order Common: Order Common

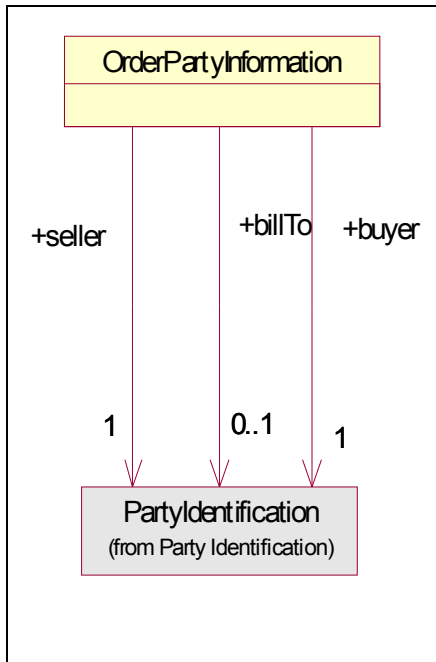| Order Logistical Information	Order Party Information	Simple Order Line Item
global	global	global

4.4.1 Class Diagram: Order Logistical Information

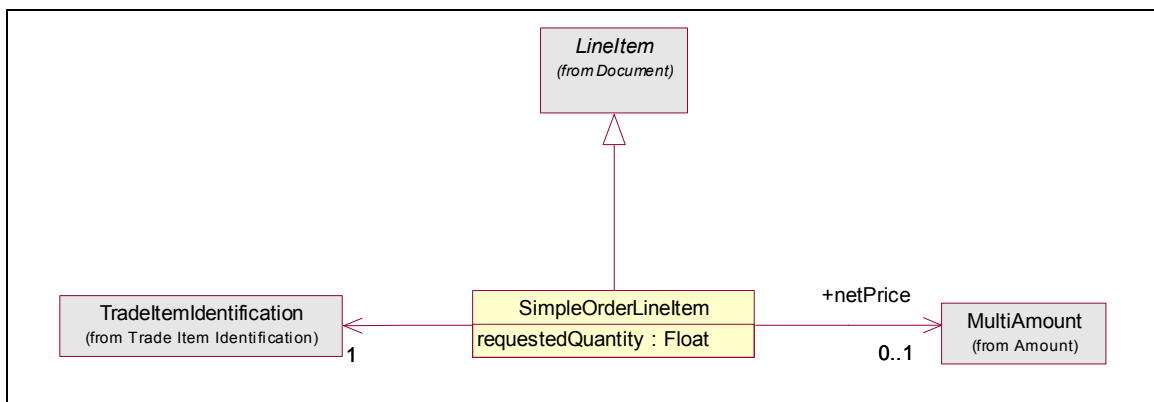Process Common Components: Order Common: Order Logistical Information
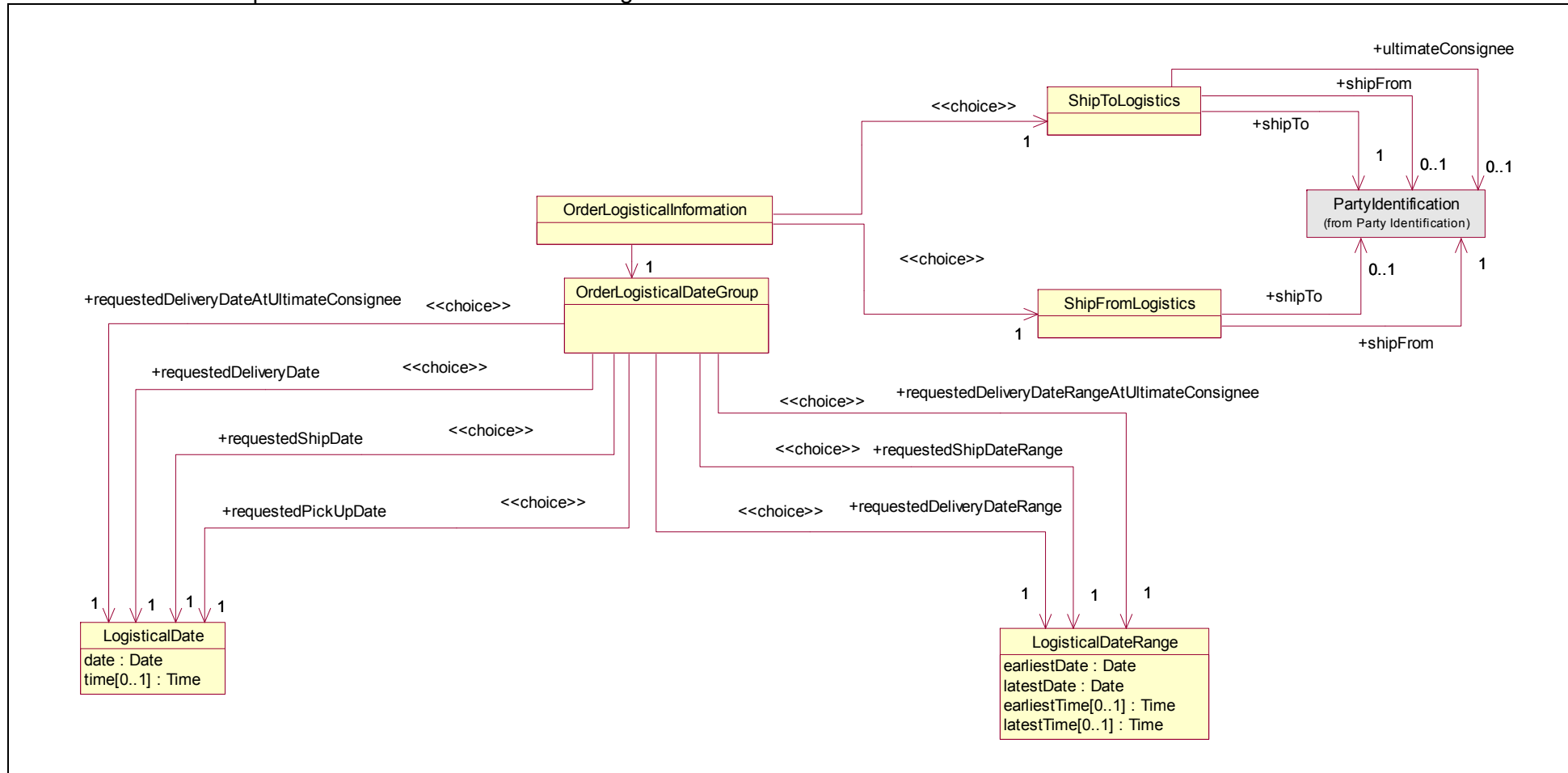
4.4.2   Class Diagram: Order Party Information

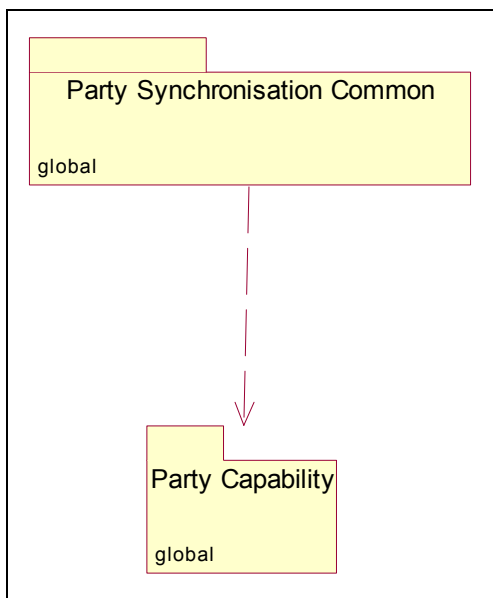Process Common Components: Order Common : Order Party Information

4.4.3   Class Diagram: Simple Order Line Item

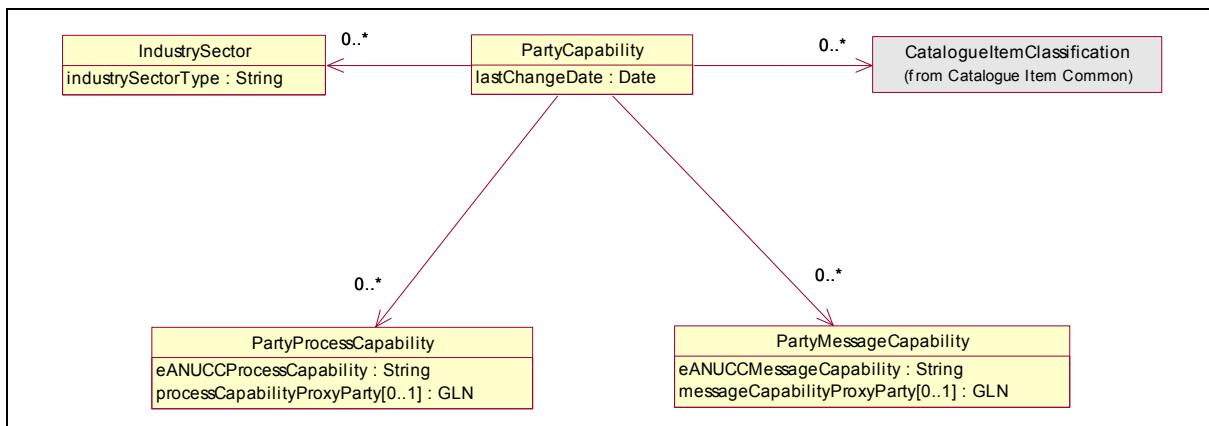Process Common Components: Order Common : Simple Order Line Item

4.5   Package Overview: Party Synchronisation Common

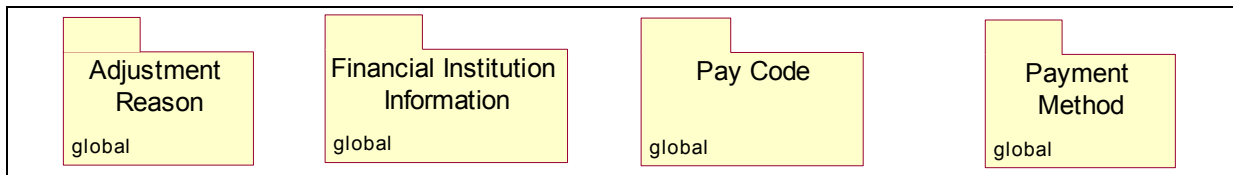Process Common Components: Order Common: Party Synchronisation Common

4.5.1   Class Diagram: Party Capability

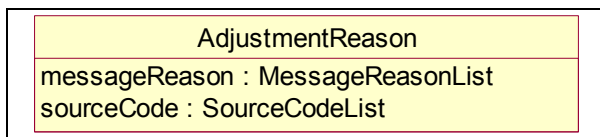Process Common Components: Party Synchronisation Common : Party Capability

4.6   Package Overview: Pay Common
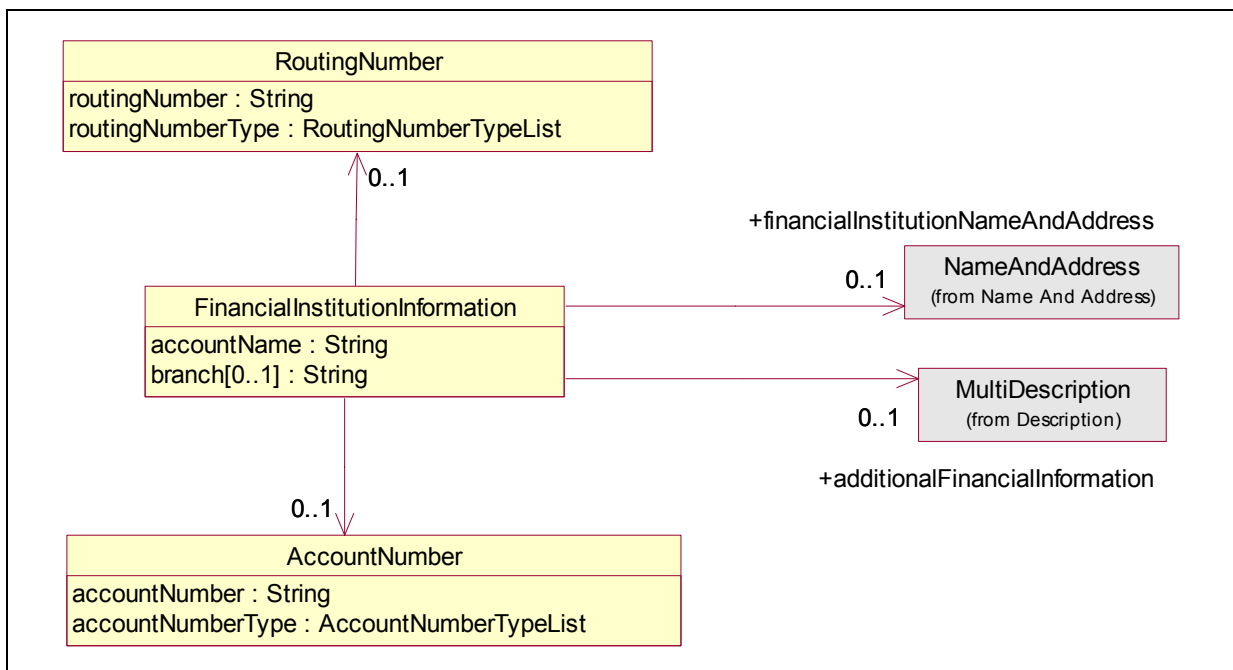
Process Common Components: Pay Common

4.6.1   Class Diagram: Adjustment Reason

Process Common Components: Pay Common: Adjustment Reason
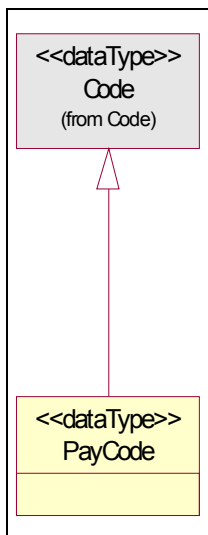

4.6.2   Class Diagram: Financial Institution Information

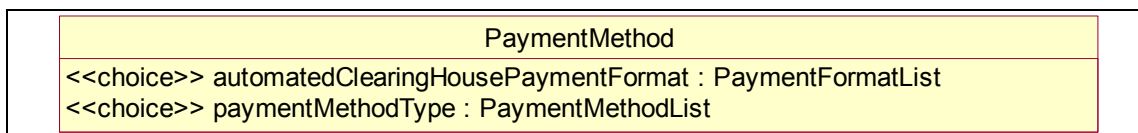Process Common Components: Pay Common: Financial Institution Information

4.6.3   Class Diagram: Pay Code

Process Common Components: Pay Common: Pay Code

4.6.4   Class Diagram: Payment Method

Process Common Components: Pay Common: Payment Method

PaymentMethod
<<choice>> automatedClearingHousePaymentFormat : PaymentFormatList <<choice>> paymentMethodType : PaymentMethodList

4.7 Package Overview: Plan Common

Process Common Components: Plan Common
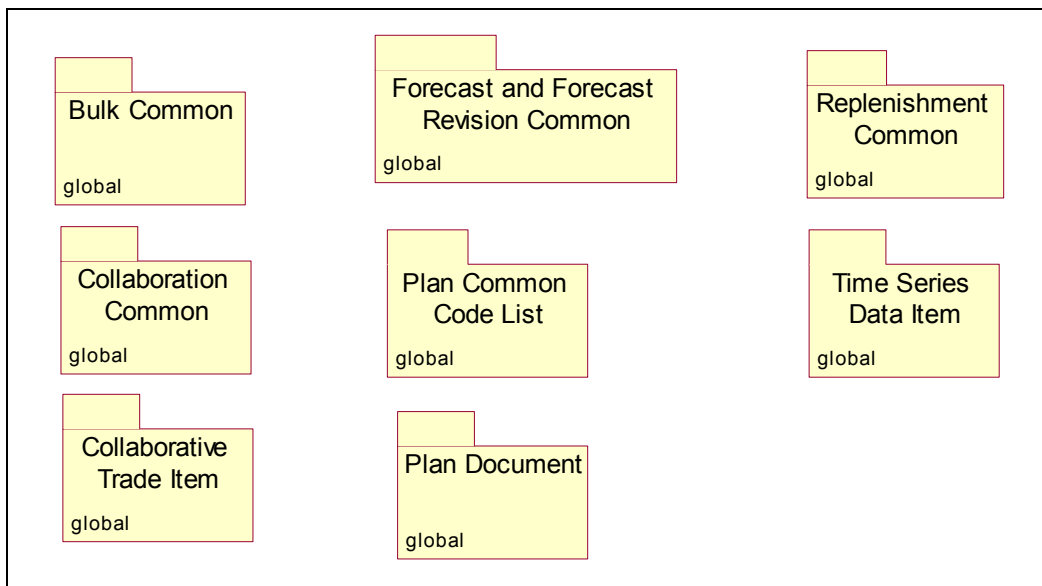
4.7.1 Class Diagram: Bulk Common

Process Common Components: Plan Common: Bulk Common
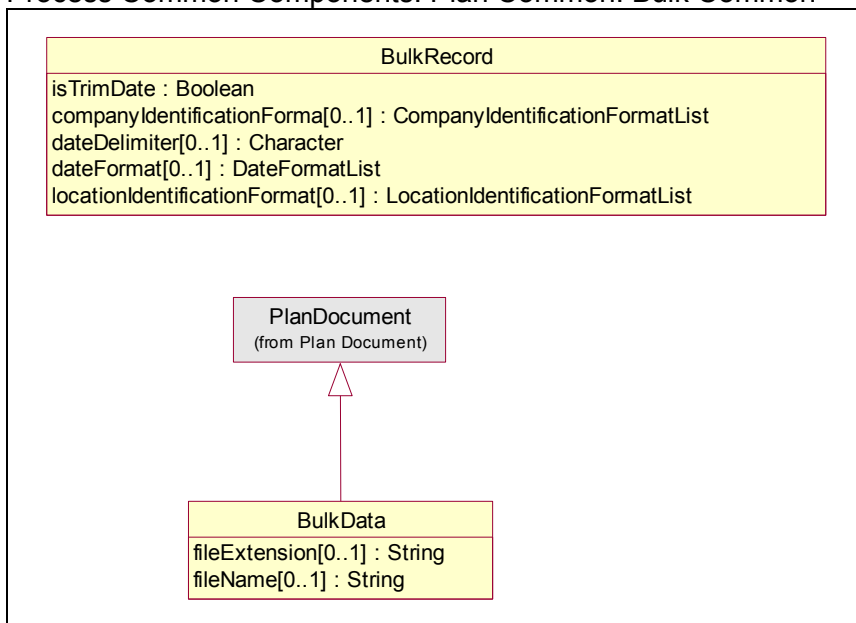
4.7.2 Class Diagram: Collaborative Trade Item

Process Common Components: Plan Common: Collaborative Trade Item
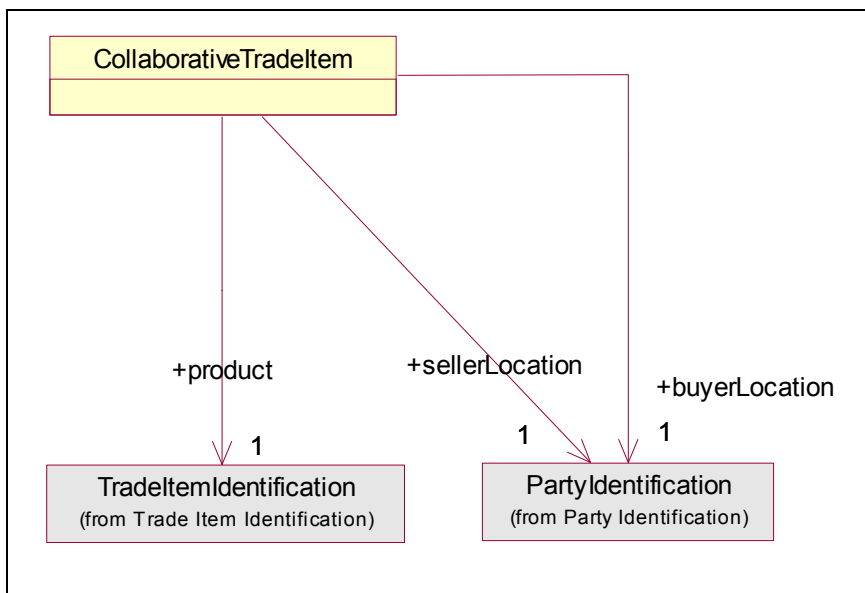
4.7.3 Class Diagram: Forecast and Forecast Revision Common

Process Common Components: Plan Common: Forecast and Forecast Revision Common
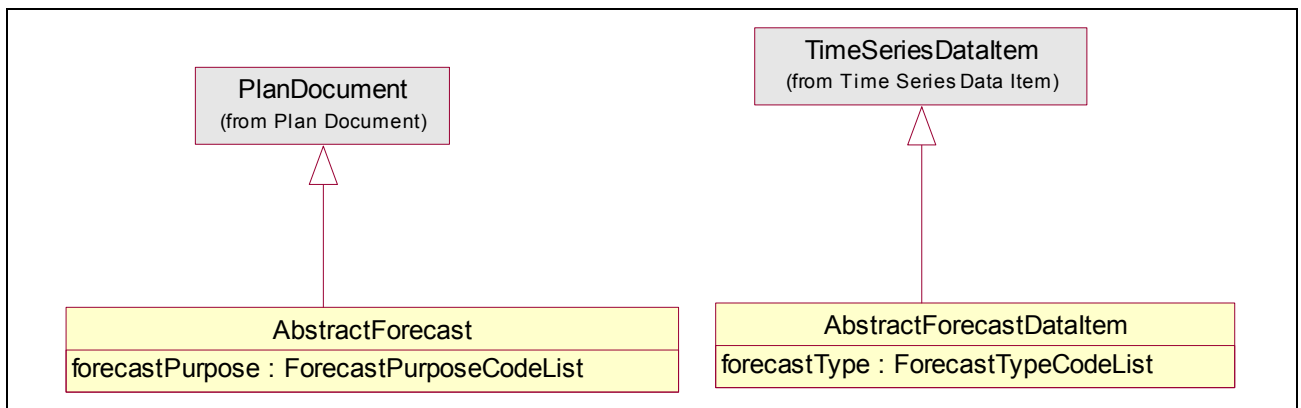
4.7.4 Class Diagram: Plan Document

Process Common Components: Plan Common: Plan Document
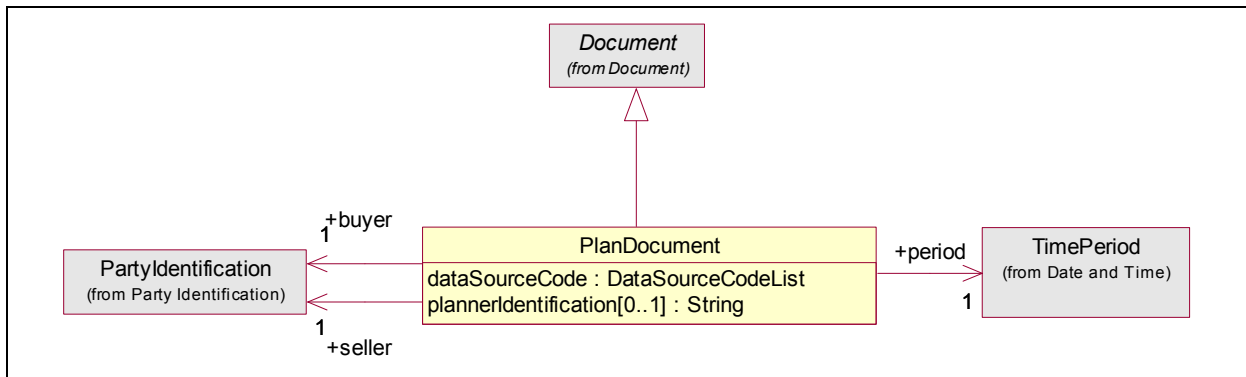
4.7.5   Class Diagram: Replenishment Common

Process Common Components: Plan Common: Replenishment Common
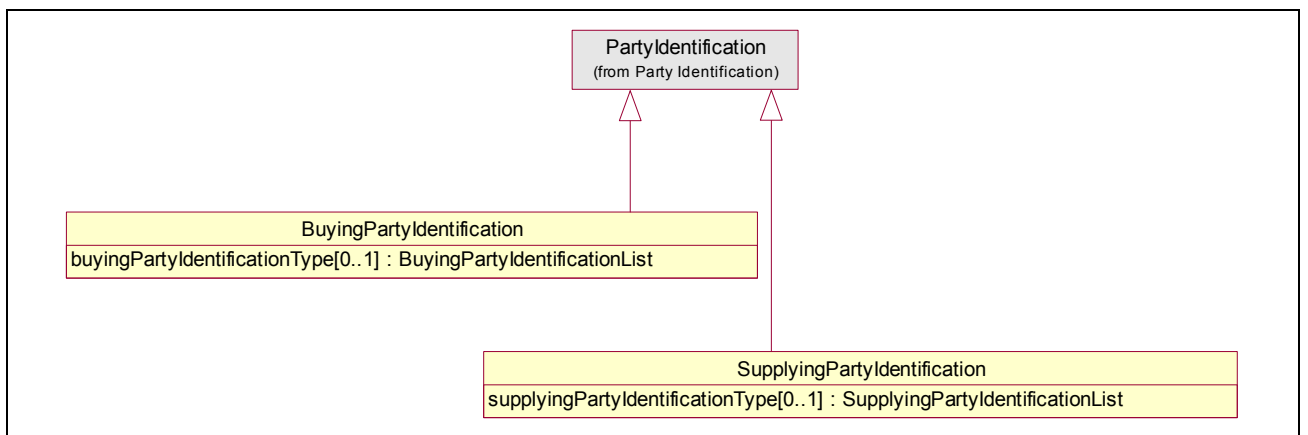
4.7.6   Class Diagram: Time Series Data Item

Process Common Components: Plan Common: Time Series Data Item

TimeSeriesDataItem

+period

1

TimePeriod
(from Date and Time)

1

CollaborativeTradeItem
(from Collaborative Trade Item)

+quantity

1

MultiMeasurementValue
(from Measurement)
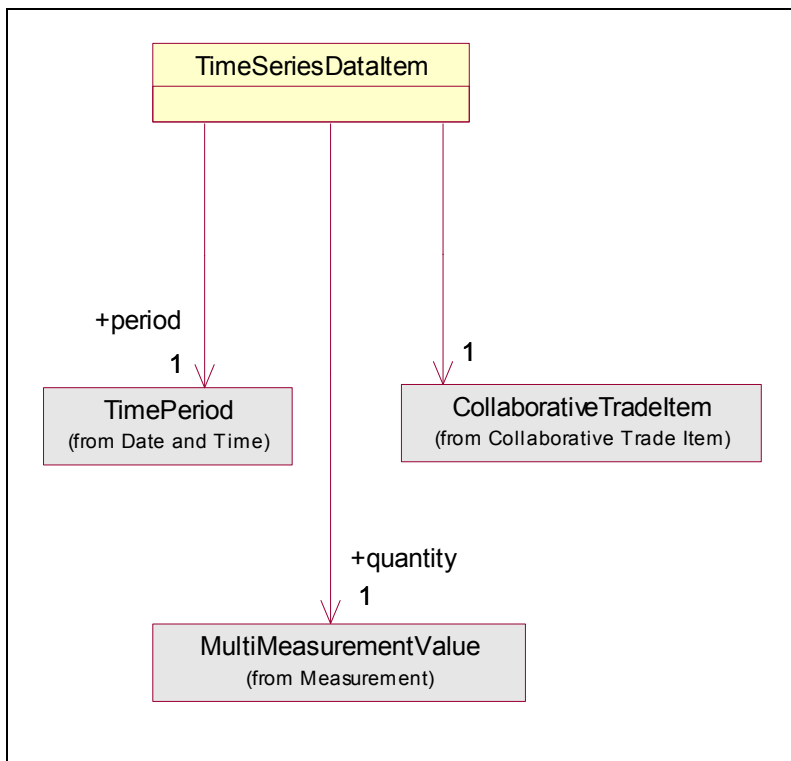
4.8   Package Overview: Price Common

Process Common Components: Price Common
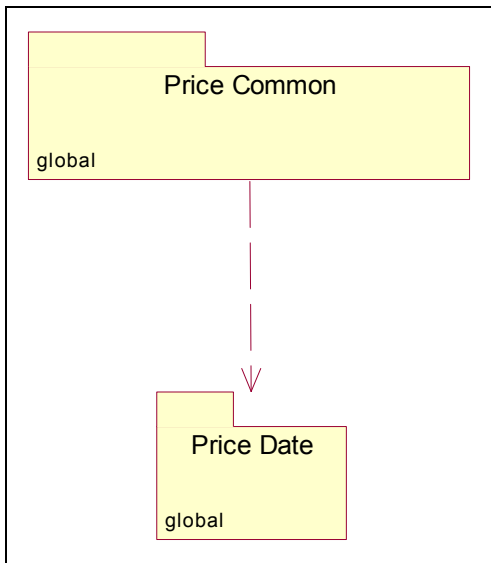
4.8.1   Class Diagram: Price Date

Process Common Components: Price Common : Price Date
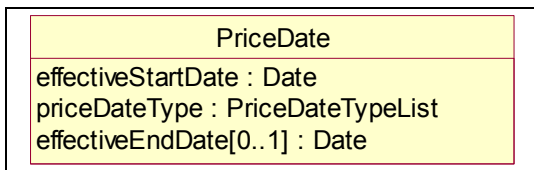
4.9   Package Overview: Process Common

Process Common Components: Process Common

Contact	Name And Address	Trade Item Hazardous Information
global	global	global
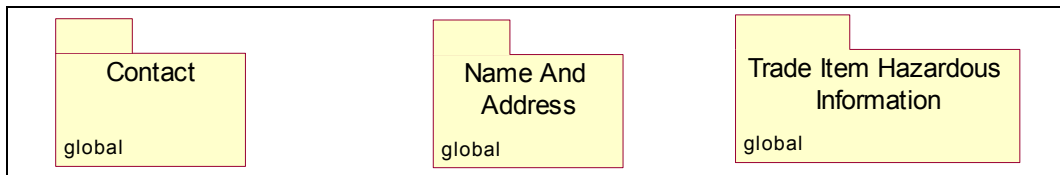
4.9.1   Class Diagram: Contact

Process Common Components: Process Common: Contact
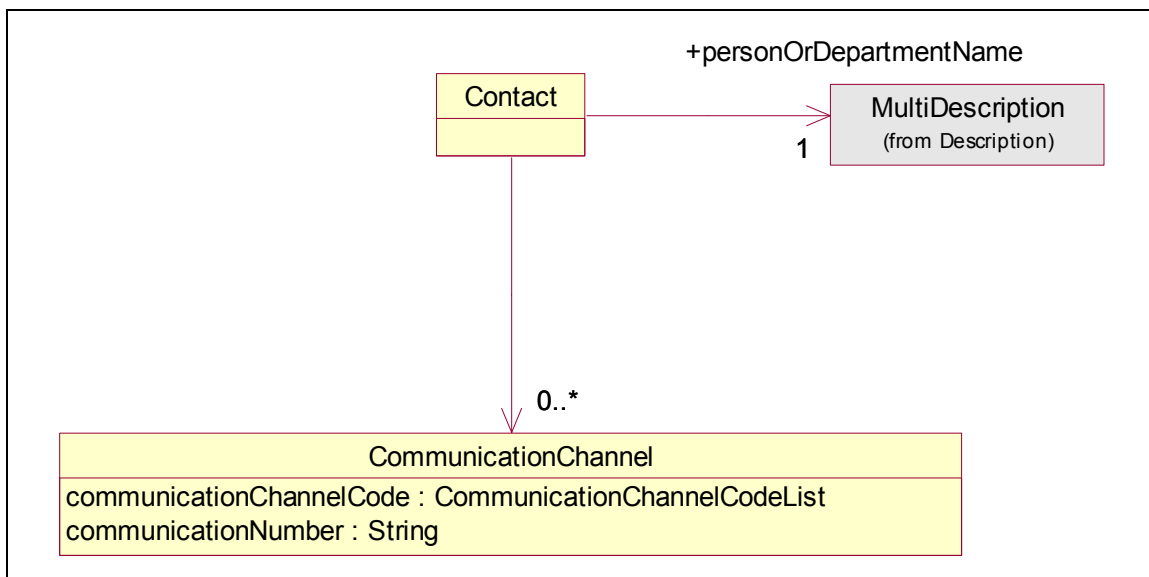
4.9.2   Class Diagram: Name and Address

Process Common Components: Process Common: Name And Address

```
┌─────────────────────────────────────────┐
│  ┌─────────────────────────────────┐     │
│  │         NameAndAddress          │     │
│  ├─────────────────────────────────┤     │
│  │ city : String                   │     │
│  │ countryCode : ISO3166_1Code     │     │
│  │ languageOfTheParty : ISO639_Code│     │
│  │ name : String                   │     │
│  │ cityCode[0..1] : String         │     │
│  │ countyCode[0..1] : String       │     │
│  │ crossStreet[0..1] : String      │     │
│  │ currency[0..1] : ISO4217_Code   │     │
│  │ pOBoxNumber[0..1] : String      │     │
│  │ postalCode[0..1] : String       │     │
│  │ provinceCode[0..1] : String     │     │
│  │ state[0..1] : String            │     │
│  │ streetAddressOne[0..1] : String │     │
│  │ streetAddressTwo[0..1] : String │     │
│  └─────────────────────────────────┘     │
│                  │                        │
│                  │ 0..1                   │
│                  ▼                        │
│  ┌─────────────────────────────────┐     │
│  │     GeographicalCoordinates     │     │
│  ├─────────────────────────────────┤     │
│  │ latitude : String               │     │
│  │ longitude : String              │     │
│  └─────────────────────────────────┘     │
└─────────────────────────────────────────┘
```

4.9.3   Class Diagram: Trade Item Hazardous Information

Process Common Components: Process Common: Trade Item Hazardous Information

```
┌──────────────────────────────────────────────────────────────────────────────┐
│  ┌────────────────────────────────────────────┐                               │
│  │        TradeItemHazardousInformation        │  +dangerousGoodsTechnicalName │
│  ├────────────────────────────────────────────┤   ┌───────────────────────┐   │
│  │ classOfDangerousGoods : String             │   │  MultiLongDescription │   │
│  │ dangerousGoodsAMarginNumber : String       │──▶│  (from Long Description)│  │
│  │ dangerousGoodsHazardousCode : String       │   └───────────────────────┘   │
│  │ dangerousGoodsPackingGroup : String        │              1                │
│  │ dangerousGoodsRegulationCode : String      │                               │
│  │ dangerousGoodsShippingName : String        │                               │
│  │ unitedNationsDangerousGoodsNumber : Integer│                               │
│  └────────────────────────────────────────────┘                               │
│                      │                                                         │
│                      │ +flashPointTemperature                                  │
│                      ▼                                                         │
│                      1                                                         │
│         ┌───────────────────────────┐                                          │
│         │   MultiMeasurementValue   │                                          │
│         │     (from Measurement)    │                                          │
│         └───────────────────────────┘                                          │
└──────────────────────────────────────────────────────────────────────────────┘
```

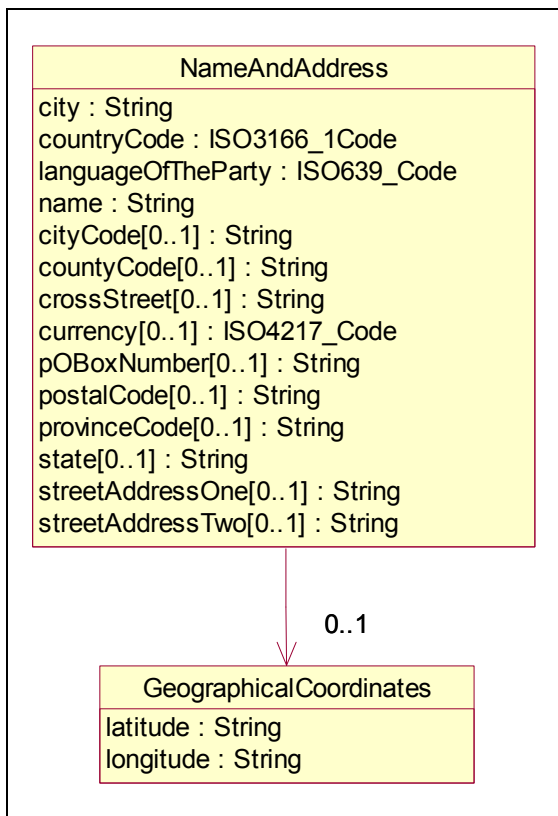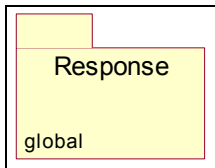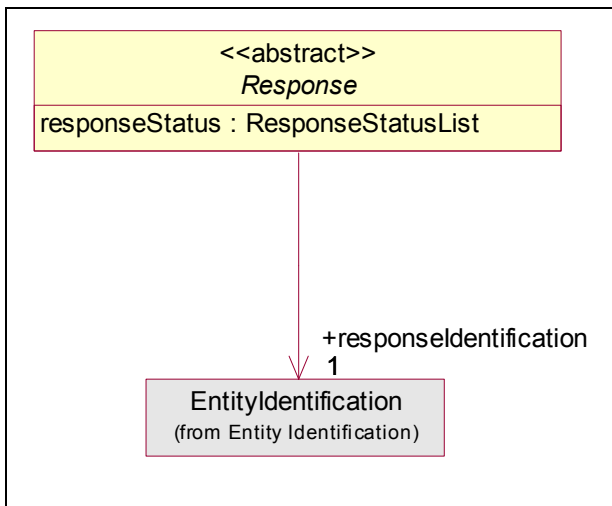## 4.10 Package Overview: Price Common

Process Common Components: Response

Response

global

4.10.1 Class Diagram: Response

Process Common Components: Response

```
        <<abstract>>
         Response
responseStatus : ResponseStatusList



                    +responseIdentification
                    1
          EntityIdentification
        (from Entity Identification)
```
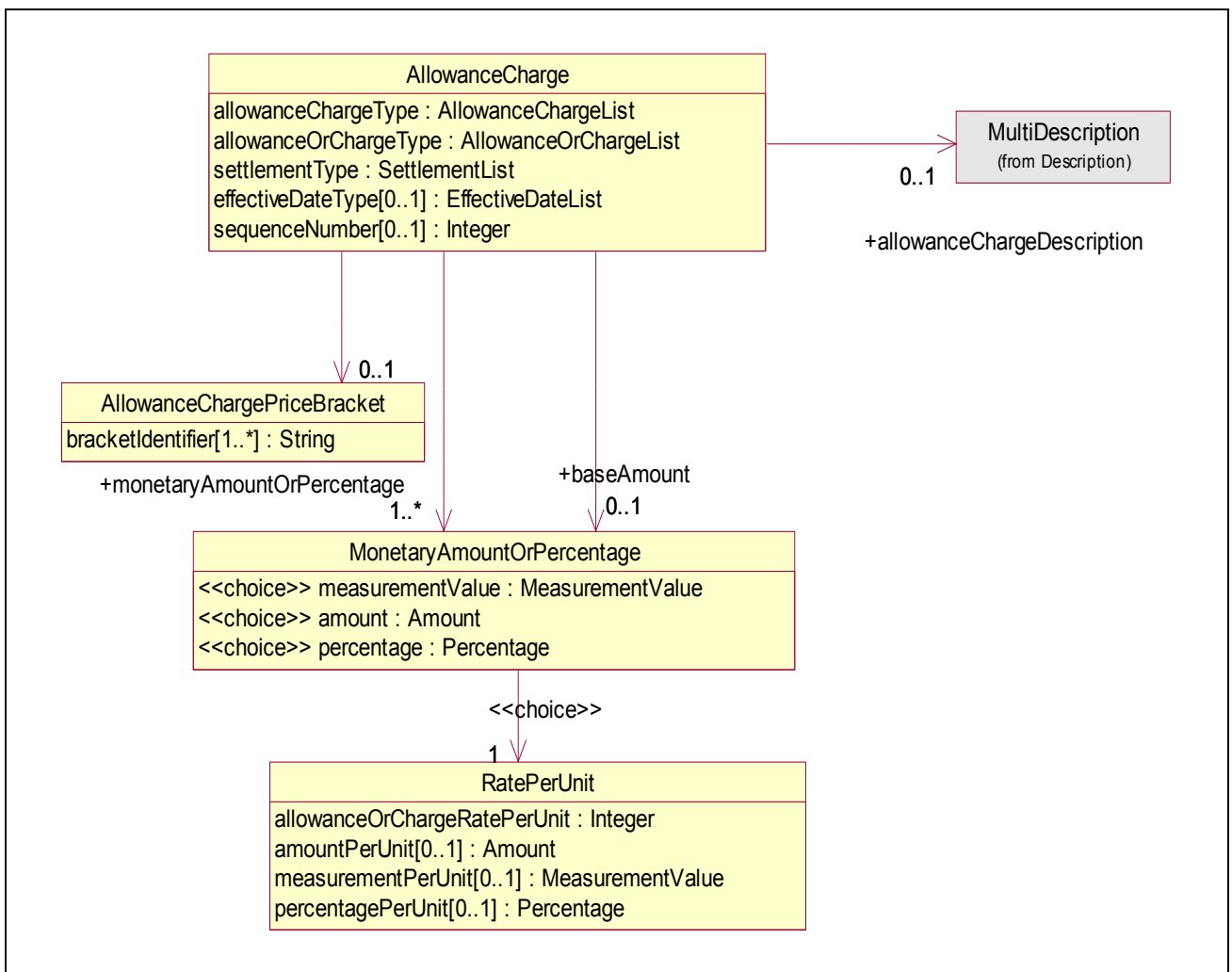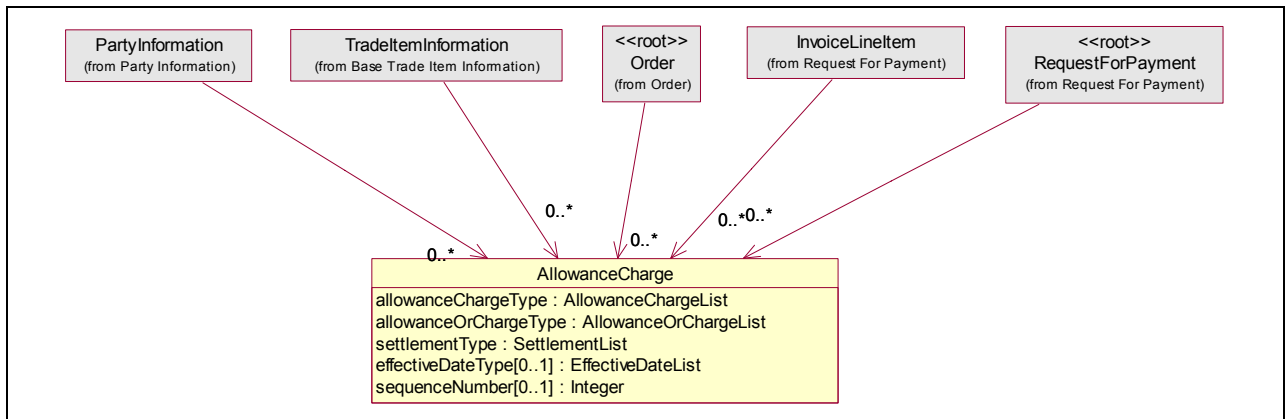
4.11 Package Overview: Terms

Process Common Components: Terms
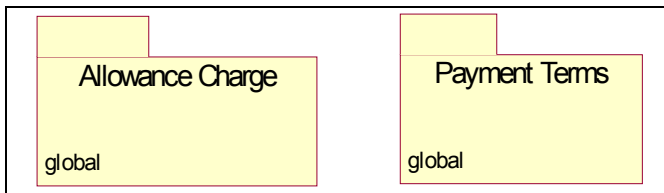
4.11.1 Class Diagram: Allowance Charge
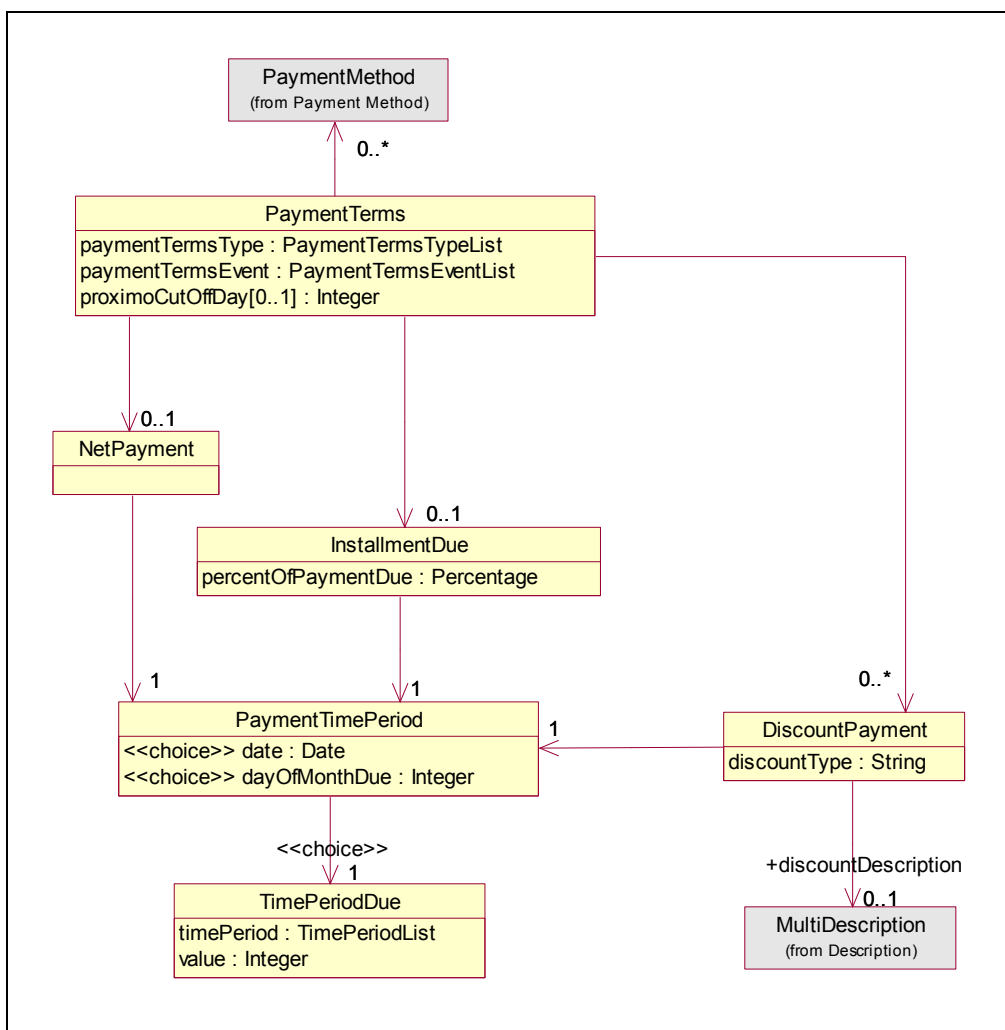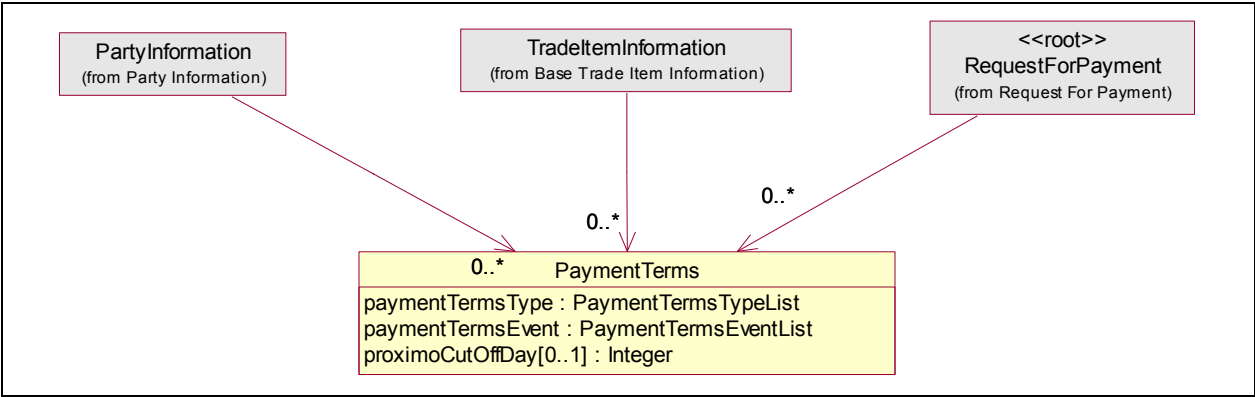
Process Common Components: Terms: Allowance Charge

4.11.2 Class Diagram: Payment Terms

Process Common Components: Terms: Payment Terms

PaymentTerms

paymentTermsType : PaymentTermsTypeList
paymentTermsEvent : PaymentTermsEventList
proximoCutOffDay[0..1] : Integer

4.12 Package Overview: Trade Item Common

Trade Item
Common

global

4.12.1 Class Diagram: Trade Item Market Information

Process Common Components: Trade Item Common: Trade Item Market Information

TargetMarketInformation
targetMarketCountryCode : ISO3166_1Code targetMarketDescription : Description targetMarketSubdivisionCode[0..1] : ISO3166_2Code