Business Message Standard (BMS)

for

Claims Notification

BRG: Pay BRG

BMS Release: 2.1

Document Version: 0.1.8

Date: 07.03.2007

(dd.mm.ccyy)

Change Request Reference

Refer to Change Request (CR) Number(s):	05-000251
CR Submitter(s):	Tom Heist
Date of CR Submission to GSMP:	20050810

Business Requirements Document (BRAD) Reference

BRAD Title: Collaborative Receipt Settlement
BRAD Date: 20050617
BRAD Version: 0.0.14

BRAD Title: Common Library
BRAD Date: For Release 3.0
BRAD Version: 0.2.14

Document Summary

Document Title:	Claims Notification
Document Version	0.1.7
Owner:	Pay BRG
Status:	☐ DRAFT x Approved
BMS Template Version:	0.3.0
Targeted BMS Publication Version	2.1

Document Change History

Note: During development include revisions in history. Upon Approval, eliminate revisions and include only delta from previous version.

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
20050819	0.1.0	John Ryu	Initial Draft to be discussed in GSMP San Mateo 20051024	Initial Draft	MDL P4CL: 7625 BSD P4CL: 7626
20051107	0.1.1	John Ryu	San Mateo re-quirements ses-sion.	Change noted in section 1.10	N/A

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
20051116	0.1.2	John Ryu	Incorporated Pay Teleconference Comments	Change noted in section 1.10 Peer Review will be performed against this document.	MDL P4CL: 7746 BSD P4CL: 7749
20051122	0.1.3	John Ryu	Incorporation Pay Teleconference 20051122 and Peer Review	GDD platform entered and output pasted in GDD section. Provided sample data	MDL P4CL: 7812 BSD P4CL: 7821
20051202	0.1.4	John Ryu	Update code list	Details provided in section 1.10	BSD P4CL: 7862
20051208	0.1.5	John Ryu	Updated class diagram	Details provided in section 1.10	MDL P4: 7902 BSD P4: 7922
20060210	0.1.6	John Ryu	ITRG Comment Resolution	Details provided in section 1.10	BSD P4: 8062
20070307	0.1.7	Andrew Hearn	Errata	Update BMS Version Number	
20070423	0.1.8	Giovanni Biffi	Editorial Changes	Minor Editorial Changes to the Document	N/A

1   Business Solution
1.1   Business Domain View
1.1.1   Problem Statement / Business Need

Collaborative Receipt Settlement (CRS) is the process of rendering payment for goods received based upon quantity received and synchronized pricing records without having to exchange an invoice from a seller to a buyer.   This process models Evaluated Receipts Settlement (ERS) with the introduction of greater collaboration. There were unresolved issues identified with ERS, and the concept of CRS is to eliminate those issues.   Data synchronization will be leveraged, new supporting transactional messages, an Advanced Remittance Notice (ARN), and a Claims Notification (CN) will be developed and a collaborative approach will be used in the implementation for CRS.   This process is based upon a Trading Partner Agreement (TPA) that will include specific details of the seller and buyer agreed upon responsibilities. The implementation of CRS would not alter the need for country specific accounting regulation compliance controls within each organization.

1.1.2   Objective

To supply the detail design of the Claims Notification business transaction needed to meet the requirements of the Collaborative Receipt Settlement BRAD(s).

1.1.3   Audience

Stakeholders are identified as retailer buying offices, logistics and financial services that interact with the Accounts Payable (A/P) process. Stakeholders identified for suppliers are sales, logistics and financial services that interact with the Accounts Receivable (A/R) process.

1.1.4   Artefacts

Artefact name	State	Artefact / State description
No Artefacts		

1.1.5   References

Reference Name	Description
Order	EAN.UCC Business Message Standard
Despatch Advice	EAN.UCC Business Message Standard
Reconciliation for Request for Payment	EAN.UCC Business Message Standard
Advance Ship Notice	• EDI X12 856

Claims Debit Credit Advice	• EDI X12 812
	• EANCOM Claims message
	  o RETANN Announcement for returns
	  o RETINS Instructions for returns

Receiving Advice	EAN.UCC Business Message Standard
Settlement	EAN.UCC Business Message Standard

1.1.6 Acknowledgements

1.1.6.1 BRG Members

Function	Name	Company / Organisation
BRG Chair	Joel Goldberg	Rosenthal & Rosenthal
BRG Vice Chair	Henry Gerstman	Wells Fargo Century
BRG Member – NA	Janet Bailey	VFC
BRG Member – NA	Craig Brinkman	Procter & Gamble
BRG Member – NA	Suzanne Fassler	JC Penney
BRG Member – NA	Sandra Hurd	The CIT Group
BRG Member – NA	Patricia Owyang	Levi Strauss & Co
BRG Member – NA	Marie Perry	Coca Cola Enterprises
BRG Member – NA	Bill Steger	Ahold Financial
BRG Member – NA	Laura Stone	Pfizer
BRG Member – EMEA	Arne Dicks	GS1 Germany
BRG Member – EMEA	Karina Duvinger	GS1 Sweden
BRG Member – EMEA	Catherine Karim	GS1 France
BRG Member- LA	Ana Paula Maniero	GS1 Brazil
BRG Member- LA	Jose Falcon Tuesta	GS1 Peru
BRG Member- AP	Seiichi Saito	GS1 Japan
Participant	Stephan Bell	CPG Market
Participant	Brad Dominy	Wells Fargo Century
Participant	Mark Gorman	Rosenthal & Rosenthal

1.1.6.2 ITRG Members

Function	Name	Company / organisation
ITRG Chair		

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

Function	Name	Company / organisation
Participant	Not Applicable	

1.1.6.4 Design Team Members

Function	Name	Organisation
Modeller	John Ryu	GS1
XML Technical Designer	Dipan Anarkat	GS1
GDD Designer	Mark Van Eeghem	GS1
Peer Reviewer	Mark Van Eeghem	GS1

1.2   Business Context

| Context Category	Value(s)
Industry	All
Geopolitical	Global
Product	All (Goods shipped/goods received)
Process	Payment and collaboration of shipped/received goods
System Capabilities	GS1 System
Official Constraints	None

1.3   Additional Technical Requirements Analysis
1.3.1   Technical Requirements (optional)

Number	Statement	Rationale
	No Technical Requirements	

1.4   Business Transaction View

1.4.1   Business Transaction Use Case Diagram
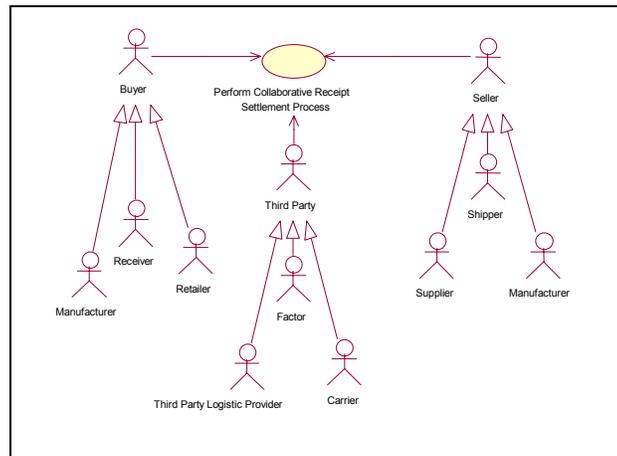
1.4.2   Use Case Description

Use Case ID	UC-1
Use Case Name	Perform Collaborative Receipt Settlement Process
Use Case Description	Collaborative Receipt Settlement
Actors (Goal)	Buyer (Retailer): The retailer is the party that orders, receives goods and makes payment for goods. The retailer is also the buyer in the EAN.UCC Trade of Goods and Services Model. Within the Global Data Synchronization Network the retailer may be identified with the role of data recipient. Seller (Supplier): The supplier is the party that receives orders, delivers goods and receives payment for goods. The supplier is also the seller in the EAN.UCC Trade of Goods and Services Model. Within the Global Data Synchronization Network the supplier may be identified with the role of data source. Third Party (Factor): The factor is a financial institution that represents the supplier in matters related to receipt of payment and adjustments to payment. The factor is also a third party in the EAN.UCC Trade of Goods and Services Model.
Performance Goals	To perform and execute the Collaborative Receipt Settlement process.
Preconditions	Master Data alignment and item, party and price synchronization
Post conditions	Buyer submits the final remittance to the seller or the third party.
Scenario	**Begins when** purchase order is generated either by the buyer or seller. **Continues with**...

Step	Actor	Activity Step

	1	Seller	Sends Despatch Advice (DA) or Advanced Ship Notice (ASN) to the Buyer
	2	Buyer	Receives the DA or ASN
	3	Seller	Ships the product with the Bill of Lading (BoL)
	4	Buyer	Receives the product with BoL
	5	Buyer	Checks receipt of goods (quantity received) to the shipping document (ASN, DA, and/or BoL) to quantity received.
	6	Buyer	Analyse if there are any discrepancies or if reconciliation is needed.
	6A	Buyer	If discrepancy or reconciliation is needed, proceed to step 7
	6B	Buyer	If there is no discrepancy or reconciliation needed, Sends ARN proceed to step 8
	7	Buyer	Analyse if the reconciliation can be fulfilled in the ARN.
	7A	Buyer	If reconciliation can be fulfilled in ARN, Send ARN proceed to step 8
	7B	Buyer	If reconciliation cannot be fulfilled in the ARN, then Buyer sends ARN and CN and proceed to step 9.
	8	Seller/ Third Party	Receives ARN
	9	Seller/ Third Party	Receives ARN & CN.
	10	Seller	Analyse if there are any discrepancies or if reconciliation is needed
	10A	Seller	If discrepancy or reconciliation is needed, proceed to step 11
	10B	Seller	If there is no discrepancy or reconciliation needed, proceed to End Scenario 1.
	11	Seller	Sends CN
	12	Buyer / Third Party	Receives CN
	13	Buyer	Analyse if there are any outstanding discrepancies
	13A	Buyer	If there are outstanding discrepancies, proceed to step 14
	13B	Buyer	If there is no outstanding discrepancy, proceed to step 16
	14	Buyer	Sends CN and initiates manual resolution process.
	15	Seller / Third Party	Receives CN, and collaborates with Buyer to reach manual resolution on claim. End Scenario 3.
	16	Buyer	Sends Payment/Remittance with reference to all previous ARN and CN
	Ends when... Seller or Third Party receives Final Payment / Remittance End Scenario 2.		

Alternative Scenario	The three ending scenarios are listed above in step 10B, 15, and Ends.		
	Step #	**Actor**	**Activity Step**

Related Requirements	No related requirements	
	1	

Related Rules	No related rules.

1.4.3 Business Transaction Activity Diagram
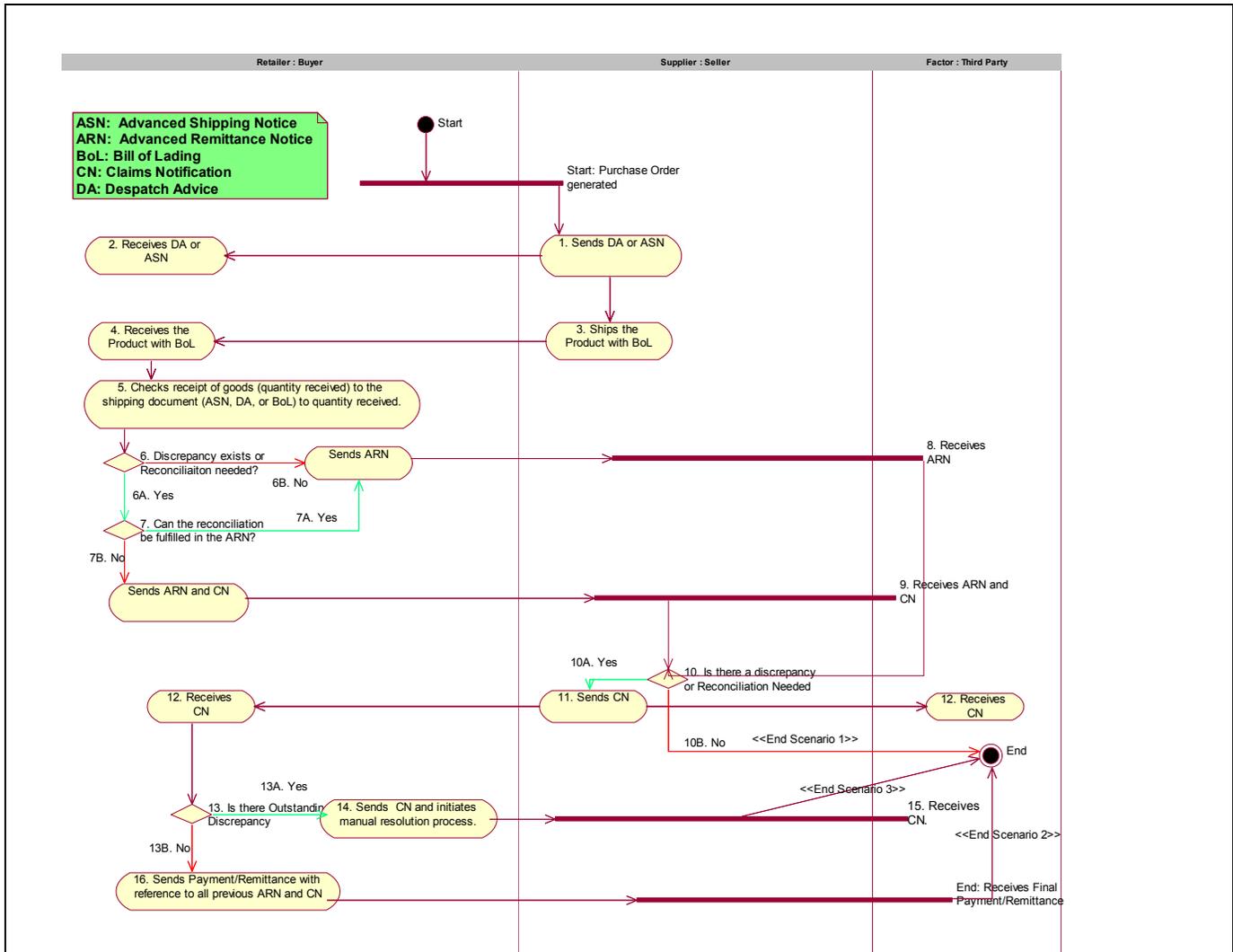
1.4.4 Business Transaction Sequence Diagram(s) (optional)

No Sequence Diagram

Business Solution Design

1.5 Information Model (including GDD Report)

1.5.1 Data Description:

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
ClaimsNotifi-cation				Collaborative Receipt Settlement BRAD Version 14
	claimsNotificationType			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2)
	isManualProcessNeededForClaimsResolution			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 10 modified requirement during BSD)
	isSupplementalMessageBeingSent			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 4)
	supplementalMessageDescription			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 4)
		buyingAgent	Contact	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 7)
		paymentContactInformation	Contact	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 6)
		sellingAgent	Contact	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 7)
		None	DiscrepancyInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 5)
		None	Document	Collaborative Receipt Settle-

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
				ment BRAD Version 14 (Section 7.3.1 BR 11)
		claimsNotificationIdentification	EntityIdentification	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 1)
		billOfLadingIdentification	Reference	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 8)
		claimsNotificationReferenceIdentification	Reference	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 1)
		purchaseOrderIdentification	Reference	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 8)
		shipNoticeIdentification	Reference	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 8)
Discrepancy-Information				Collaborative Receipt Settlement BRAD Version 14
	reasonForNonPayment			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 5)
		None	NonItemDiscrepancy	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 5)
		None	QuantityOrItemDiscrepancy	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 5)
		None	PriceDiscrepancy	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 5)
NonItemDiscrepancy				Collaborative Receipt Settlement BRAD Version 14

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
		actualReceivedNonItem	NonItemDiscrepancyInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
		expectedReceivedNonItem	NonItemDiscrepancyInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
NonItemDiscrepancyInformation				Collaborative Receipt Settlement BRAD Version 14
	amount			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
	discrepancyDescription			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 3)
	nonItemDiscrepancyType			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
PriceDiscrepancy				Collaborative Receipt Settlement BRAD Version 14
		actualReceivedPrice	PriceQuantityItemInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
		expectedPrice	PriceQuantityItemInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
PriceQuantityItemInformation				Collaborative Receipt Settlement BRAD Version 14
	price			Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
	quantity			Collaborative Receipt Settle-

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
				ment BRAD Version 14 (Section 7.3.1 BR 2, 5)
		None	TradeItemIdentification	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
QuantityO-rItemDiscrepancy				Collaborative Receipt Settlement BRAD Version 14
		actualReceivedQuantityOrItem	PriceQuantityItemInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)
		expectedQuantityOrItem	PriceQuantityItemInformation	Collaborative Receipt Settlement BRAD Version 14 (Section 7.3.1 BR 2, 5)

1.5.2   GDD Report:

Claims Notification

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
ClaimsNotifi-cation				Claims Notification. Details	Electronic notification transmitted by the buyer to the seller upon reception of goods, as obliged by the trading partner agreement. It details discrepancies between the Advanced Shipping notice (ASN) or Despatch Advice (DA) and the actual receipt of goods and in-cludes line item detail only for the discrepancies.	
	claimsNotifi-cationType			Claims Notification. Code. Claims Notification Type List_ Code	Provides the claims notification type, and the claims notification type can be New/Original, Dispute, or Refused.	1..1
	isManual-Process-NeededFor-ClaimsReso-lution			Claims Notification. Is Manual Process Needed For Claims Resolution_ Indicator. Indica-tor	A flag to indicate if manual processes are needed to reach claims resolution.	1..1
	isSupplemen-talMessage-BeingSent			Claims Notification. Is Sup-plemental Message Being Sent_ Indicator. Indicator	A flag to indicate if there were any supplemental document(s), or message(s) sent with the Claims Notification. An example of a sup-plemental document is a Proof of Delivery.	1..1
	supplemen-talMes-sageDescrip-tion			Claims Notification. Supple-mental Message_ Descrip-tion. Text	Provides which supplemental document, or message was sent with the Claims Notification. An example of a supplemental document is a Proof of Delivery.	0..1
		buyingAgent	Contact	Claims Notification. Buying Agent_ Association. Contact	Buying agent contact information which includes address, email, phone, web address, etc.	0..1
		paymentCon-tactInforma-tion	Contact	Claims Notification. Payment Contact Information_ Asso-ciation. Contact	The person and the person contact information which include ad-dress, email, phone, web address, etc. who the shipper could con-tact regarding payments that will not be made.	1..1
		sellingAgent	Contact	Claims Notification. Selling	Selling agent Contact Information which includes address, email,	0..1

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Agent_ Association. Contact	phone, web address, etc.	
		None	DiscrepancyIn-formation	Claims Notification. Associa-tion. Discrepancy Information	Provides the discrepancy involved in the claims notification. If claims notification is an original or dispute then Discrepancy Information is mandatory.	0..*
		None	Document	Claims Notification. Inheri-tance. Electronic_ Document	Electronic document details of the Claims Notification.	1..1
		claimsNotifi-cationIdentifi-cation	EntityIdentifica-tion	Claims Notification. Claims Notification Identification_ Association. Entity Identifica-tion	Provides the unique identification for the Claims Notification.	1..1
		billOfLad-ingIdentifica-tion	Reference	Claims Notification. Bill Of Lading Identification_ Asso-ciation. Reference	A unique number that identifies the Bill of Lading to be used to syn-chronize / correlate to each trading partner's respective accounts receivable and accounts payable files.	0..1
		claimsNotifi-cationRefer-enceIdentifi-cation	Reference	Claims Notification. Claims Notification Reference Identi-fication_ Association. Refer-ence	A unique number identifying the Referenced Claims Notification to synchronize / correlate to each trading partner's accounts receivable and accounts payable. It is essential to provide the previous Claims Notification Identification when available for Dispute or Refused.	0..*
		purchaseOr-derIdentifica-tion	Reference	Claims Notification. Purchase Order Identificaiton_ Associa-tion. Reference	A unique number identifying the purchase order number to be used to synchronize / correlate to each trading partner's respective ac-counts receivable and accounts payable files.	1..1
		shipNoticeI-dentification	Reference	Claims Notification. Ship Notice Identification_ Asso-ciation. Reference	A unique number identifying the ship notice (Advanced Shipping Notice or Despatch Advice) to synchronize / correlate to each trading partner's accounts receivable and accounts payable.	1..1
Discrepancy-Information				Discrepancy Information. Details	Provides the discrepancy information in the claims notification.	
	reasonFor-NonPayment			Discrepancy Information. Reason For Non Payment_ Code. ReasonForNonPay-mentCodeList_ Code	Provides the discrepancy type, which can be Non Item Discrepancy Type, Quantity or Item Discrepancy, or Price Discrepancy.	1..1
		None		Discrepancy Information. Association Choice. Non Item Discrepancy	Provides the None Item Discrepancy details. A choice must be made between the Non Item Discrepancy, Quantity or Item Discrepancy, and Price Discrepancy.	1..1
		None		Discrepancy Information.	Provides the Price Discrepancy details. A choice must be	1..1

| Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Association Choice. Price Discrepancy	made between the Non Item Discrepancy, Quantity or Item Discrepancy, and Price Discrepancy.	
		None		Discrepancy Information. Association Choice. Quantity Or Item Discrepancy	Provides the Quantity or Item Discrepancy details. A choice must be made between the Non Item Discrepancy, Quantity or Item Discrepancy, and Price Discrepancy.	1..1
NonItemDis-crepancy				Non Item Discrepancy. De-tails	Provide the non item discrepancy information details. Can be one type of discrepancy in the claims notification.	
		actualRe-ceivedNon-Item	NonItemDis-crepancyInfor-mation	Non Item Discrepancy. Actual Received Non Item_ Associa-tion. Non Item Discrepancy Information	Provides the actual received non item information to calculate the discrepancy.	1..1
		expectedRe-ceivedNon-Item	NonItemDis-crepancyInfor-mation	Non Item Discrepancy. Ex-pected Received Non Item_ Association. Non Item Dis-crepancy Information	Provides the expected received non item information to calculate the discrepancy.	1..1
NonItemDis-crepancyIn-formation				Non Item Discrepancy Infor-mation. Details	Provides the non item discrepancy information in the claims notifica-tion.	
	amount			Non Item Discrepancy Infor-mation. Amount. Amount	Provides the amount, which is in discrepancy.	1..1
	discrepancy-Description			Non Item Discrepancy Infor-mation. Discrepancy_ De-scription. Text	Provides the discrepancy description for the Non Item Discrepancy. This is in addition to the Non Item Discrepancy Type.	0..1
	nonItemDis-crepancyType			Non Item Discrepancy Infor-mation. Type. Message Reason_ Code	Provide the Non Item Discrepancy Type from a predefined Message Reason List.	1..1
PriceDiscrep-ancy				Price Discrepancy. Details	Provides the price discrepancy information in the claims notification.	
		actualRe-ceivedPrice	PriceQuantity-ItemInformation	Price Discrepancy. Actual Received Price_ Association. Price Quantity Item Informa-tion	Provides the actual received price to calculate the discrepancy	1..1

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
		expectedPrice	PriceQuantity-ItemInformation	Price Discrepancy. Expected Price_ Association. Price Quantity Item Information	Provides the expected price to calculate the discrepancy.	1..1
PriceQuantity-ItemInforma-tion				Price Quantity Item Informa-tion. Details	Provides the price, quantity, and the trade item identification.	
	price			Price Quantity Item Informa-tion. Price_ Amount. Amount	Provides the price of the item with it's associated currency.	1..1
	quantity			Price Quantity Item Informa-tion. Quantity. Quantity	Provides the number of items with an optional unit of measure.	1..1
		None	TradeItemIden-tification	Price Quantity Item Informa-tion. Association. Trade Item Identification	Provides the trade item identification.	1..1
QuantityO-rItemDiscrep-ancy				Quantity Or Item Discrep-ancy. Details	Provides the quantity or item discrepancy information in the claims notification.	
		actualRe-ceivedQuanti-tyOrItem	PriceQuantity-ItemInformation	Quantity Or Item Discrep-ancy. Actual Received Quan-tity Or Item_ Association. Price Quantity Item Informa-tion	Provides the actual received quantity or item to calculate the dis-crepancy.	1..1
		expected-QuantityO-rItem	PriceQuantity-ItemInformation	Quantity Or Item Discrep-ancy. Expected Quantity Or Item_ Association. Price Quantity Item Information	Provides the expected quantity or item to calculate the discrepancy.	1..1

End of Report

1.5.3 Class Diagrams
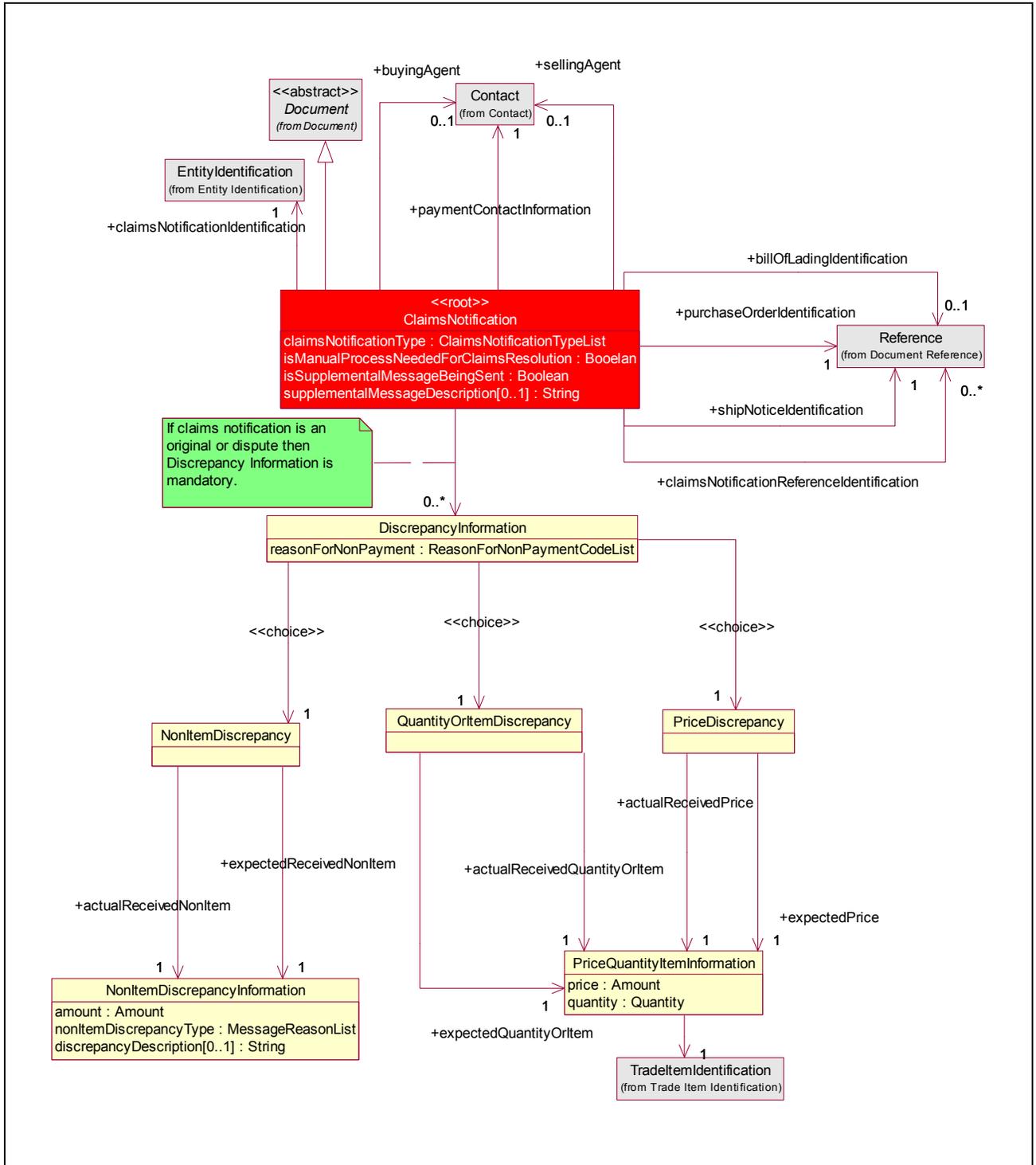
Claims Notification

1.5.4 Code Lists
Two New Code lists (Claims Notification Type List and Reason For Non Payment Code List) are added in this section.

1.5.4.1 Claims Notification Type List

Code List Name	Code List Description
ClaimsNotificationTypeList	Provides the possible values for the various claims notification type.
Code Name	**Code Description**
DISPUTE	The claims notification is a dispute.
NEW_ORIGINAL	The claims notification is new.
REFUSED	The claims notification is refused and is the beginning of the manual resolution process

1.5.4.2 Reason For Non Payment Code List

Code List Name	Code List Description
ReasonForNonPaymentCodeList	Provides the code values for the non payment discrepancy type.
Code Name	**Code Description**
NON_ITEM_DISCREPANCY	Provides the non item discrepancy type between the expected and actual.
PRICE_DISCREPANCY	There is a price discrepancy between the expected and the actual price.
QUANTITY_OR_ITEM_DISCREPANCY	There is a quantity or item discrepancy between the expected and the actual.

For reference purposes the Message Reason List was extracted from the common library to provide the possible values for the Non Item Discrepancy Type.

1.5.4.3 Message Reason List

Code Name	Code Value
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

Code Name	Code Value
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

Code Name	Code Value
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_ADJUSTMENT	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_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

Code Name	Code Value
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

Code Name	Code Value
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_PERCENTAGE_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

Code Name	Code Value
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

Code Name	Code Value
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_NOTICE	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

Code Name	Code Value
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

1.6   Business Document Example

The following is an example of a claims notification message.

ClaimsNotification	
- creationDateTime	`2005-06-27T11:00:00`
- documentStatus	`ORIGINAL`
- claimsNotificationType	`NEW_ORIGINAL`
- isManualProcessNeededForClaimsResolution	`NO`
- isSupplementalMessageBeingSent	`YES`
- supplementalMessageDescription	`Proof of Delivery`
EntityIdentification (+claimsNotificationIdentification)	
- uniqueCreatorIdentification	`20051101`
PartyIdentification (+contentOwner)	
- gLN	`8712345678913`
Reference (+purchaseOrderIdentification)	
- referenceDateTime	`2005-03-03T11:00:00`
- referenceIdentification	`PO1`
Reference (+shipNoticeIdentification)	

- referenceDateTime	`2005-03-23T11:00:00`
- referenceIdentification	`DA333`
Contact (+paymentContactInformation)	
- MultiDescription (+personOrDepartmentName)	
- language	`ENG`
- text	`XYZ House`
AccountNumber	
- MultiDescription (+buyingAgent)	
- language	`ENG`
- text	`Big House Buyer`
DiscrepancyInformation	
- reasonForNonPayment	`PRICE_DISCREPANCY_INFORMATION`
PriceDiscrepancyInformation	
PriceQuantityInformation (+expectedPrice)	
- Amount	
- currencyCode	`USD`
- monetaryAmount	`100`
- Quantity	
- value	`10`
- unitOfMeasure	`CARTON`
TradeItemIdentification	
- gTIN	`12345678901234`
PriceQuantityInformation (+actualReceivedPrice)	
- Amount	
- currencyCode	`USD`
- monetaryAmount	`333`
- Quantity	
- value	`10`
- unitOfMeasure	`CARTON`
TradeItemIdentification	
- gTIN	`12345678901234`

1.7 Implementation Considerations

Note:

1.8 Testing
1.8.1 Pass / Fail Criteria

Not Applicable

Number	Test Criteria	Related Requirement	Design Element	Pass Criteria	Fail Criteria
1					

1.8.2 Test Data

Not Applicable

Attribute	Value

1.9   Appendices

1.10 Summary of Changes

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

Change	BMS Version	Associated CR Number
First Draft all new	0.1.0	
Use Case Description Added three additional scenarios	0.1.1	

Finalized the use case description with the three additional ending scenarios. Numbered each step in the activity diagram.
 	
Updated GDD with revised class diagram.
 	
Updated class diagram
In Claims Notification class added
  • claimsNotificationType : ClaimsNotification-TypeList
  • isManualProcessesNeededForClaimsResolution : Booelan
 	
Changed multiplicity from 1..* to 0..* Claims Notification associated to Discrepancy Information.
 	
Added implementation note for Discrepancy Information. "If claims notification is an original or dispute then Discrepancy Information is mandatory."
 	
Added two new code list
  • Claims Notification Type List
  • Reason For Non Payment Code List
 	
Added sample data.
	0.1.2	

Change	BMS Version	Associated CR Number
GS1 Code List policy states special characters are not allowed for code names. Therefore, following changes were made to MessageReasonList. Section 1.5.4.3 and this revised MessageReasonList is referenced in the common library. • 74_CANCEL_OR_ADJUST_PRIOR_CREDIT_OR_DEBIT_ADJUSTME→ 74_CANCEL_OR_ADJUST_PRIOR_CREDIT_OR_DEBIT_ADJUSTME**NT** • **Removed (ERS)** 83_EVALUATED_RECEIPT_SETTLEMENT_(ERS)_DELIVERY_CHARGE→ 83_EVALUATED_RECEIPT_SETTLEMENT_DELIVERY_CHARGE • **Removed parenthesis** BM_NET_COLLECTION_EXPENSE_(FACTOR)→ BM_NET_COLLECTION_EXPENSE_FACTOR • **Removed parenthesis** BP_NET_CHARGEBACK_OF_CLIENT_RISK_(FACTOR)→ BP_NET_CHARGEBACK_OF_CLIENT_RISK_FACTOR • **Replaced % with Percentage** E6_GOODS_AND_SERVICES_TAX_0%_RATE_INTERNATIONAL_DOCUMENTATION_WILL_FOLLOW→ E6_GOODS_AND_SERVICES_TAX_0_**PERCENTAGE**_RATE_INTERNATIONAL_DOCUMENTATION_WILL_FOLLOW • RR_HANDLING_CHARGE_FOR_UNREADABLE_ADVANCE_SHIP_NOT→ RR_HANDLING_CHARGE_FOR_UNREADABLE_ADVANCE_SHIP_NOT**ICE** • ST_UNAUTHORIZED_AIR_SHIPMENT_CHARGEBACK_IS_THE_DIFFERENCE_BETWEENAIR_AND_GROUND →ST_UNAUTHORIZED_*AIR*_SHIPMENT_CHARGEBACK_IS_THE_DIFFERENCE_BETWEEN_AIR_AND_GROUND	0.1.4	

Change	BMS Version	Associated CR Number
Class Diagram modified in following manner to prevent infinite looping and reusability. • The self associations to NonItemDiscrepancyInformation, QuantityOrItemDiscrepancyInformation, and PriceDiscrepancyInformation have been eliminated. • Created a reusable PriceQuantityItemInformation class which contain a price, quantity, and trade item identification. Data Description, GDD, and sample data modified to reflect class diagram changes.	0.1.5	
Updated related Requirements columns in GDD. • DiscrepancyDescription attribute is related to BR3 • IsManualProcessNeededForClaimResolution attribute is related to BR 10 In GDD Report removed version number.	0.1.6	

2 Technical Solution Design

This section provides the specifications for the standards content ITRG approves. It is called the Technical Solution Design (TSD).

The Technical Solution Design contains:
- o TSD Zip file Table of Contents
- o Business Message Standard Section Technical Level GDD Report
- o XSD (XML Schema Documents)
- o XML Instance File and HTML Form View (XML and HTML files containing sample data specified in Section 1.6)

In the process of approving the Technical Solution Design, the ITRG will be provided the following artefacts:

- o Any relevant Business Requirements Analysis Document (BRAD)
- o Any relevant Business Requirements Document (BRD)
- o Section 1 of Business Message Standard (Business Solution Design)
- o Comment Resolution Template from Technical Public Review
- o XML Test Report
- o Change Request
- o Other informative or reference documents