

Business Message Standard (BMS)

for

Advanced Remittance Notification

(Process/Sub-process/Industry and/or Product/Geopolitical)

BRG: Pay BRG

BMS Release: 2.1

Document Version: 0.3.4

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CR Submitter(s):	John Ryu
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BRAD Date: 20060513
BRAD Version: 0.0.15

BRAD Title: Common library
BRAD Date: For Release 3.0
BRAD Version: 3.0

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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	Initial Draft	MDL P4CL: 7338 BSD P4CL: 7339
20050830	0.2.0	John Ryu	Based on Pay BRG Teleco 20050823	Discussion with Henry and Mark. Updates to Simple and complex scenario ARN. Added choice between payee and remitTo.	MDL P4CL: 7376 BSD P4CL: 7377
20051013	0.3.0	Mark Van Eeghem	GDD Report	Added the GDD Report	MDL P4CL 7376 BSD P4CL 7578
20051102	0.3.1	John Ryu	Incorporate GSMP San Mateo Meeting Forwarded for TSD Development	Details provided in section 1.10	MDL P4CL 7654 BSD P4CL 7661
20060513	0.3.2	John Ryu	Based on CR 06-97	Rename Advanced Remittance Notice to Advanced Remittance Notification	MDL P4CL 8311 BSD P4CL 8338
20060622	0.3.3	John Ryu	ITRG Review	Added Related Requirements	BSD P4CL: 8549
20070307	0.3.4	Andrew Hearn	Errata	Update BMS Version Number	

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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 Notification (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 Advanced Remittance Notification business transaction needed to meet the requirements of the Collaborative Receipt Settlement BRAD.

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
Request for Payment	EAN.UCC Business Message Standard
Advance Ship Notice	<ul style="list-style-type: none">• EDI X12 856
Claims Debit Credit Advice	<ul style="list-style-type: none">• EDI X12 812• EANCOM Claims message<ul style="list-style-type: none">○ RETANN Announcement for returns○ RETINS Instructions for returns
Receiving Advice	EAN.UCC Business Message Standard
Settlement	EAN.UCC Business Message Standard

1.1.6 Acknowledgements

(List of the individuals—and their companies—who participated in the creation, review and approval of this BMS.)

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 Process Manager	Tom Heist	GS1
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	Carol Edison	General Mills

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	Mark Van Eeghem	GS1
XML Technical Designer	Dipan Anarkat	GS1
GDD Designer	Mark Van Eeghem	GS1
Peer Reviewer	John Ryu	GS1

Business Solution Design

1.2 Business Context

(Note: The business context of the business)

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

1.3 Additional Technical Requirements Analysis

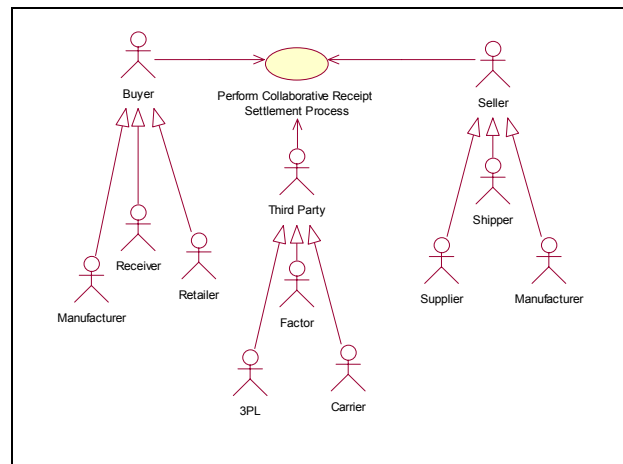
1.3.1 Technical Requirements (optional)

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

Number	Statement	Rationale
	No Technical Requirements	

1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram



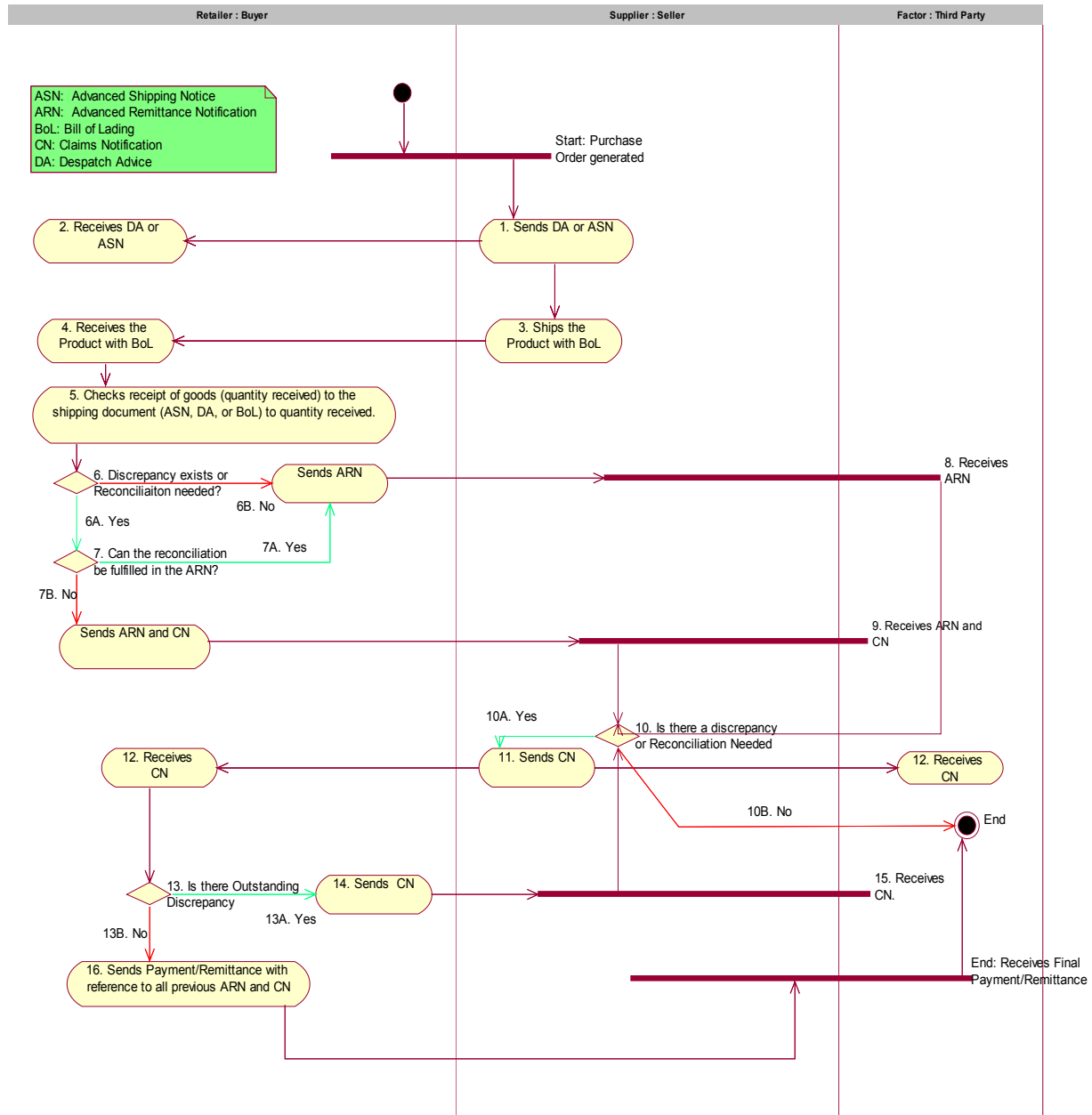
1.4.2 Use Case Description

Use Case ID	UC-1		
Use Case Name	Perform Collaborative Receipt Settlement Process		
Use Case Description	Collaborative Receipt Settlement		
Actors (Goal)	<p>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.</p> <p>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.</p> <p>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.</p>		
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

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	1	Seller	Sends DA or ASN to the Buyer
	2	Buyer	Receives the DA or ASN
	3	Seller	Ships the product with the 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
	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
	15	Seller / Third Party	Receives CN, proceed to step 10
	16	Buyer	Sends Payment/Remittance with reference to all previous ARN and CN
Ends when... Seller or Third Party receives Final Payment/Remittance.			
Alternative Scenario	(any alternatives to the above scenario)		
	No alternative scenario		
	Step #	Actor	Activity Step
Related Requirements	No related requirements		
	1		
Related Rules	No related rules.		

1.4.3 Business Transaction Activity Diagram(s)



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:

(Contains list of attributes included in the model and the related requirement, which led to its inclusion in the design.)

Advanced Remittance Notification

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
Advanced Remittance Notification				BRAD Title: Collaborative Receipt Settlement Ver0.0.15
	expectedPaymentDate			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 5 section 7.2.1 and 7.2.4
	isThereADiscrepancy			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 11 section 7.2.1 and 7.2.4
	receiptOfGoodsDate			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 5 section 7.2.1 and 7.2.4
		billOfLadingIdentification	Reference	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 4 section 7.2.1 and 7.2.4
		purchaseOrderIdentification	Reference	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 4 section 7.2.1 and 7.2.4
		shipNoticeIdentification	Reference	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 4 section 7.2.1 and 7.2.4
		"IS A"	Document	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 2 section 7.2.1 and 7.2.4
		advancedRemittanceNotificationIdentification	EntityIdentification	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 1 section 7.2.1 and 7.2.4
		"MAY HAVE"	ItemDiscrepancyInformation	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 12 section 7.2.4
		"HAS"	ItemReceivedInformation	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 1 section 7.2.3
		<<Choice>> remitTo	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 9, 10 section 7.2.1 and 7.2.4
		<<Choice>> payee	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 9, 10 section 7.2.1 and 7.2.4
		buyer	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 9, 10 section 7.2.1 and 7.2.4
		seller	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15

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Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
				BR 9, 10 section 7.2.1 and 7.2.4
		shipFrom	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 9, 10 section 7.2.1 and 7.2.4
		shipTo	InvoiceParty	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 9, 10 section 7.2.1 and 7.2.4
Item Discrepancy Information				BRAD Title: Collaborative Receipt Settlement Ver0.0.15
	isAllowanceChargeIncluded			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 13 section 7.2.4
	ItemDiscrepancyQuantity			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 7 section 7.2.1 and 7.2.4
	itemDiscrepancySynchronisedPrice			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 8 section 7.2.1 and 7.2.4
	itemDiscrepancyType			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 12 section 7.2.4
		"MAY HAVE"	PaymentDiscount	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 15,16,18,19,20,21 section 7.2.4
		itemDiscrepancyIdentification	TradeItemIdentification	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 6 section 7.2.1 and 7.2.4
		<<HAS>>	TradeItemTaxInformation	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 14 section 7.2.4
		<<MAY HAVE>>	PaymentTimePeriod	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 17 section 7.2.4
ItemReceivedInformation				BRAD Title: Collaborative Receipt Settlement Ver0.0.15
	itemReceivedQuantity			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 1 section 7.2.3
	itemReceivedSynchronisedPrice			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 1 section 7.2.3
		itemReceivedIdentification	TradeItemIdentification	BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 1 section 7.2.3
PaymentDiscount				BRAD Title: Collaborative Receipt Settlement Ver0.0.15
	nonProductChargeAmount			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 21 section 7.2.4

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
	nonProductChargeIdentification			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 20 section 7.2.4
	paymentDiscountAmount			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 16 section 7.2.4
	paymentDiscountPercentage			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 15 section 7.2.4
	promotionalAllowanceAmount			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 19 section 7.2.4
	promotionalAllowanceIdentification			BRAD Title: Collaborative Receipt Settlement Ver0.0.15 BR 18 section 7.2.4

1.5.2 GDD Report :

(Output from GDD should be pasted in this section.)

Advanced Remittance Notification

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
Advanced Remittance Notification				Advanced Remittance 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 includes line item detail only for the discrepancies.	
	expectedPaymentDate			Advanced Remittance Notification. Expected Payment Date. Date Time	Date at which payment is expected by the seller for the goods received by the buyer.	1..1
	isThereADiscrepancy			Advanced Remittance Notification.	A flag to indicate if there were discrepancies between the seller's shipping docu-	1..1

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Is There A Discrepancy. Indicator	ments and the buyer's receiving documents or not.	
	receiptOfGoodsDate			Advanced Remittance Notification. Receipt Of Goods Date. Date Time	Date at which the goods sold by the seller are received by the buyer.	1..1
		billOfLadingIdentification	Reference	Advanced Remittance Notification. Bill Of Lading Identification. Reference	A unique number that identifies the Bill of Lading to be used to synchronize /correlate to each trading partner's respective accounts receivable and accounts payable files.	0..1
		purchaseOrderIdentification	Reference	Advanced Remittance Notification. Purchase Order Identification. Reference	A unique number identifying the purchase order number to be used to synchronize/correlate to each trading partner's respective accounts receivable and accounts payable files.	1..1
		shipNoticeIdentification	Reference	Advanced Remittance Notification. Ship Notice Identification. 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
		"IS A"	Document	Advanced Remittance Notification. Association. Document	Electronic document details of the Advanced Remittance Notification.	1..1
		advancedRemittanceNotificationIdentification	EntityIdentification	Advanced Remittance Notification. Advanced Remittance Notification Identification. Entity Identification	A unique number identifying the Advanced Remittance Notification.	1..1

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				tion		
		"MAY HAVE"	Item Discrepancy Information	Advanced Remittance Notification. Association. Item Discrepancy Information	Within the Advanced Remittance Notification, if there is an item discrepancy, the ItemDiscrepancyInformation is mandatory.	0..1
		"HAS"	ItemReceivedInformation	Advanced Remittance Notification. Association. Item Received Information	Additional information at item level for goods received on the Advanced Remittance Notification.	1..1
		<<Choice>> remitTo	InvoiceParty	Advanced Remittance Notification. Choice Remit To. Invoice Party	Address Information, Account Number Information, and Global Location Number (GLN) of the invoice party to which goods have been handed over. A choice has to be made between this party and the Payee.	1..1
		<<Choice>> payee	InvoiceParty	Advanced Remittance Notification. Choice Payee. Invoice Party	Address Information, Account Number Information, and Global Location Number (GLN) of the invoice party to which payment for the goods is due. A choice has to be made between this party and the Remit To Party.	1..1
		buyer	InvoiceParty	Advanced Remittance Notification. Buyer. Invoice Party	Address Information, Account Number Information, and Global Location Number (GLN) of the invoice party that has purchased the goods.	1..1
		seller	InvoiceParty	Advanced Remittance Notification. Seller. Invoice Party	Address Information, Account Number Information, and Global Location Number (GLN) of the invoice party that has sold the goods.	1..1
		shipFrom	InvoiceParty	Advanced Remittance Notification.	Address Information, Account Number Information, and Global Location Number	1..1

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Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Ship From. Invoice Party	(GLN) of the invoice party from where the goods were shipped.	
		shipTo	InvoiceParty	Advanced Remittance Notification. Ship To. Invoice Party	Address Information, Account Number Information, and Global Location Number (GLN) of the invoice party to whom the goods were shipped.	1..1
Item Discrepancy Information				Item Discrepancy Information. Details	Information with regards to a stated discrepancy between the goods the buyer received and the seller shipped.	
	isAllowanceChargeIncluded			Item Discrepancy Information. Is Allowance Charge Included. Indicator	A flag to indicate whether or not allowances and charges are included in the Advanced Remittance Notification. By default, this is not the case.	1..1
	itemDiscrepancyQuantity			Item Discrepancy Information. Item Discrepancy Quantity. Quantity	This is the quantity of discrepancy at item-level within the Advanced Remittance Notification, if a discrepancy is noted between the seller's shipping documents and the buyer's receiving documents.	1..1
	itemDiscrepancySynchronised-Price			Item Discrepancy Information. Item Discrepancy Synchronised Price. Amount	This is the price at item-level that has been agreed between the trading partners, and which has been synchronised between them.	1..1
	itemDiscrepancyType			Item Discrepancy Information. Item Discrepancy Type. Receiving Condition_ Code	A codelist containing the type of discrepancy.	1..1
		"MAY HAVE"	PaymentDiscount	Item Discrepancy Information. Association. Pay-	Additional information with regards to discount on the payment for an item.	0..1

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Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				ment Discount		
		itemDiscrepancyIdentification	TradeItemIdentification	Item Discrepancy Information. Item Discrepancy Identification. Trade Item Identification	Identifier for the received item for which a discrepancy was noted. This is a GTIN.	1..1
		<<HAS>>	TradeItemTaxInformation	Item Discrepancy Information. Association. Trade Item Tax Information	Information on the payment of taxes at trade item level for items for which a discrepancy was noted, within the Advanced Remittance Notification. This includes the amount of taxes to be paid and the type of tax.	1..1
		<<MAY HAVE>>	PaymentTimePeriod	Item Discrepancy Information. Association. Payment Time Period	Information on the period of time within which payment is made at trade item level for items for which a discrepancy was noted, within the Advanced Remittance Notification.	0..1
ItemReceivedInformation				Item Received Information. Details	Additional information at item level with regards to the Advanced Remittance Notification.	
	itemReceivedQuantity			Item Received Information. Item Received Quantity. Quantity	Identifies the quantity of items received by the buyer.	1..1
	itemReceivedSynchronisedPrice			Item Received Information. Item Received Synchronised Price. Amount	Identifies the synchronized price for the items received. The extent to which allowances, charges and taxes are included is dependent upon the trading partner agreement and the conditions identified in the trading partner profile (TPP).	1..1
		itemReceivedIdentification	TradeItemIdentification	Item Received Information. Item	The unique identifier for the goods and services received and mentioned in the	1..1

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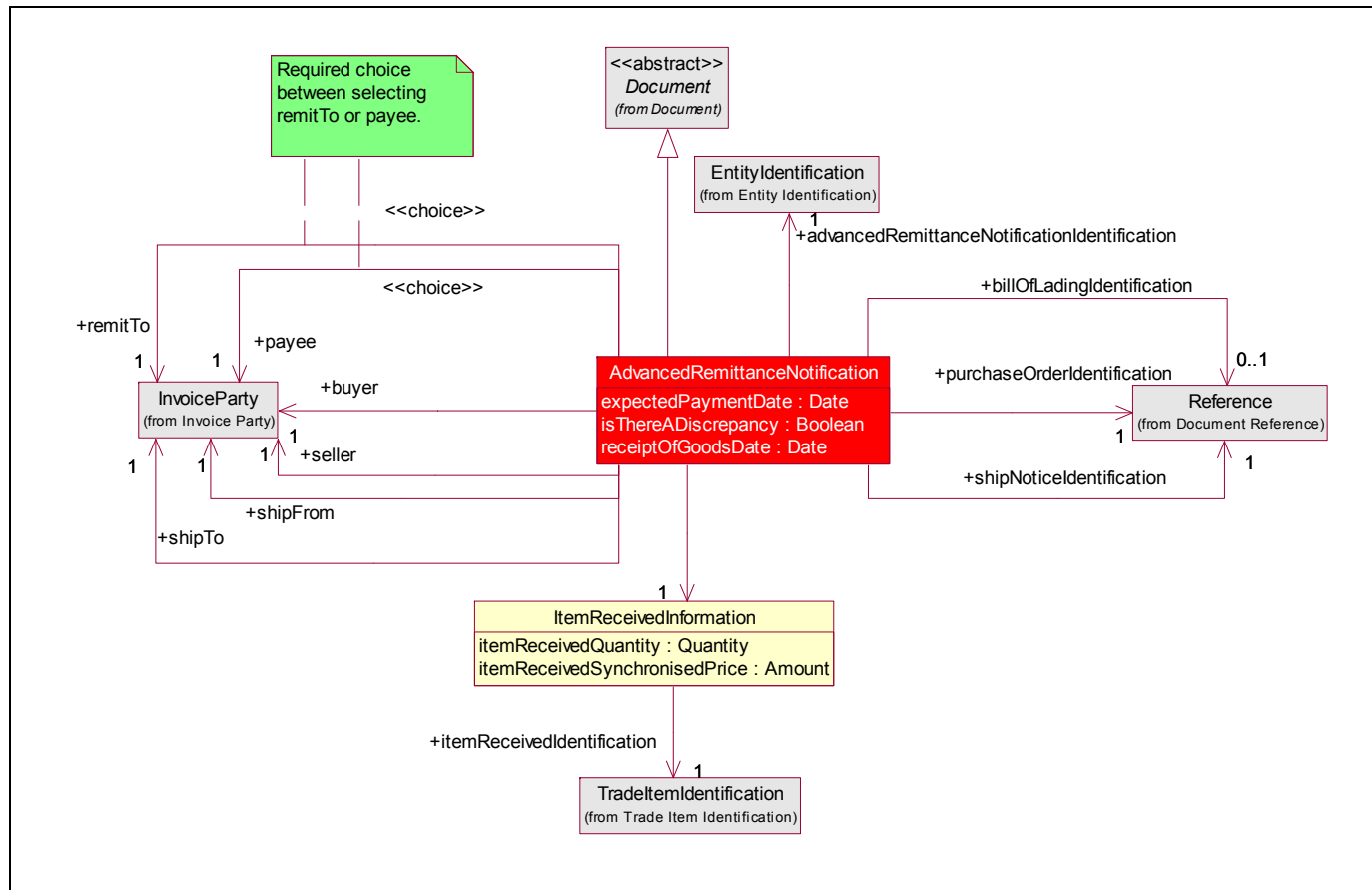
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Received Identification. Trade Item Identification	Advanced Remittance Notification.	
PaymentDiscount				Payment Discount. Details	Additional information on discount on payments to be made for items mentioned in the Advanced Remittance Notification	
	nonProductChargeAmount			Payment Discount. Non Product Charge Amount. Amount	Amount, which is non product related, that is charged to the buyer by the seller.	0..1
	nonProductChargeIdentification			Payment Discount. Non Product Charge Identification. Text	Description of the non-product related charge to the buyer by the seller.	0..1
	paymentDiscountAmount			Payment Discount. Payment Discount Amount. Amount	Amount of currency received as a discount on the amount to be paid for the goods received by the buyer.	0..1
	paymentDiscountPercentage			Payment Discount. Payment Discount Percentage. Float_ Numeric	Discount on the amount to be paid for the goods received by the buyer, expressed in percents.	0..1
	promotionalAllowanceAmount			Payment Discount. Promotional Allowance Amount. Amount	Allowance, due to a promotion, on the amount to be paid for the goods received by the buyer.	0..1
	promotionalAllowanceIdentification			Payment Discount. Promotional Allowance Identification.	Description of the Allowance, due to a promotion, on the amount to be paid for the goods received by the buyer.	0..1

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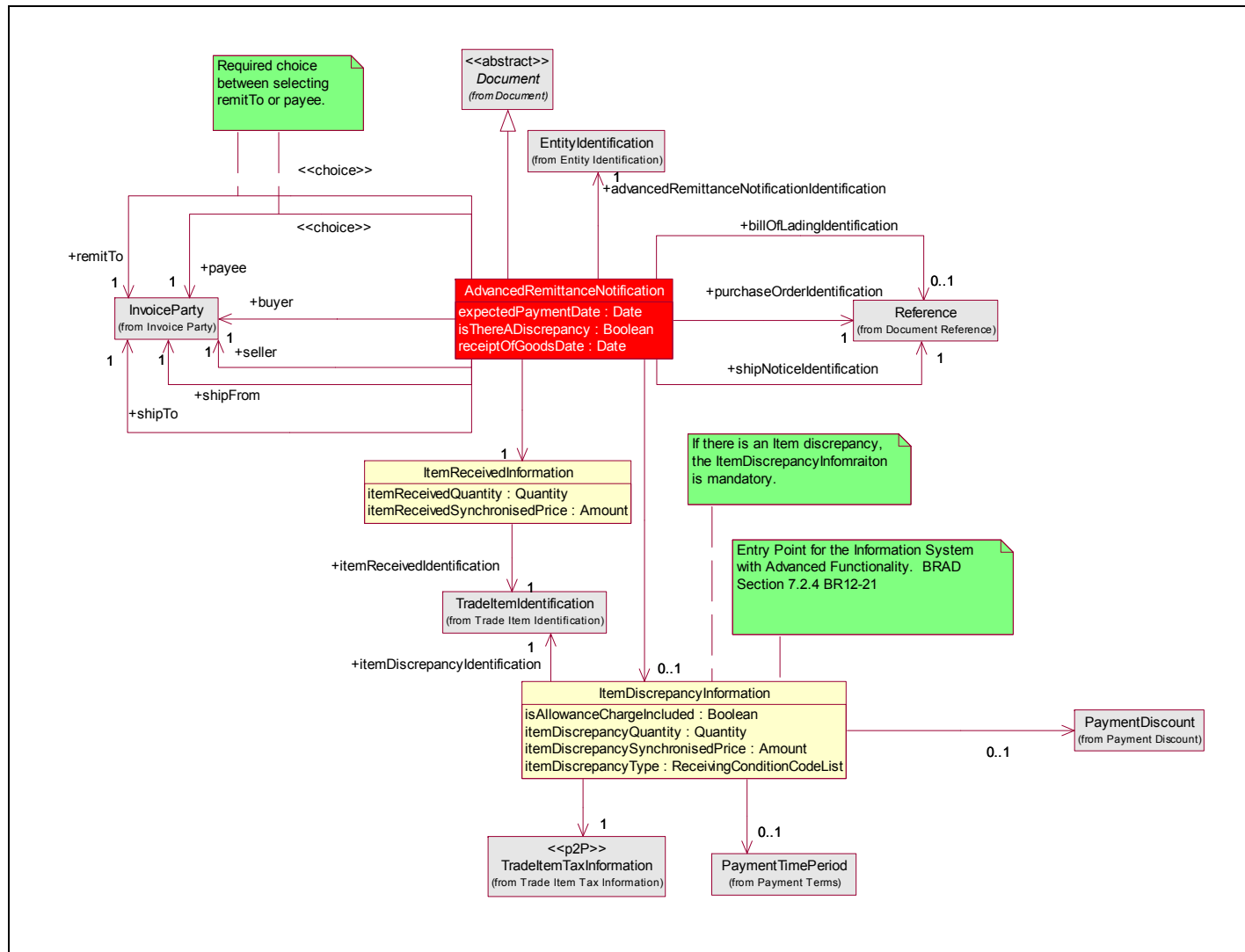
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
				Text		

1.5.3 Class Diagrams

Advanced Remittance Notification with Limited Functionality or Simple Scenario



Advanced Remittance Notification with Robust Functionality or Complex Scenario



Business Solution Design

1.5.4 Code Lists

(Output from GDD should be pasted in this section.)

Added SUBSTITUED_ITEM in the Receiving Condition Code List. This code value has been added into Common Library Doc Version 0.2.13.

Code List Name	Code List Description
ReceivingConditionCodeList	
Code Name	Code Description
ACCEPTED_IN_FULL	N/A
DAMAGED_PRODUCT_OR_CONTAINER	N/A
GOOD_CONDITION	N/A
HOLD	N/A
INCORRECT_PRODUCT	N/A
MATERIAL_SCRAPPED	N/A
NON_STANDARD_CONTAINER	N/A
NOT_RECEIVED_SERIAL_NUMBER_REQUIRED	N/A
QUALITY_PROBLEM	N/A
QUANTITY_OVER	N/A
QUANTITY_OVER_RETURN_TO_SUPPLIER	N/A
QUANTITY_RECEIVED_CANNOT_PROCESS_BECAUSE_NO_MATCHING_SERIAL_NUMBER	N/A
QUANTITY_RECEIVED_PROCESSED_WITH_NO_MATCHING_SERIAL_NUMBER	N/A
QUANTITY_SHORT	N/A
REJECTED	N/A
SUBSTITUED_ITEM	N/A

1.6 Business Document Example

The following is an example of an Advanced Remittance Notification message. The message is sent out on March 3 at 11 AM. The message is identified with the unique identifier 20051101. The content owner is the sending party, in this case the retailer (Buyer 8712345678913).

The Advanced Remittance Notification is sent by the retailer (Buyer 8712345678913) to the Supplier (Seller 8812345678903).

Example 1:
Simple Scenario
There is no discrepancy.

Parties involved.
Retailer (Buyer 8712345678913)
Supplier (Seller 8812345678903)
Ship From (1234567890123)
Ship To (3456789012345)
Remit To (5678901234567)

Receiving Information
GTIN (12345678901234)
Quantity Received (100)
Synchronised Price (33 USD)

AdvancedRemittanceNotification	
- creationDateTime	2005-03-03T11.00.00
- documentStatus	ORIGINAL
- expectedPaymentDate	2005-04-15
- isThereADiscrepancy	NO
-receiptOfGoodsDate	2005-02-19
EntityIdentification (+advancedRemittanceNotificationIdentification)	
- uniqueCreatorIdentification	20051101
PartyIdentification (+contentOwner)	
- gLN	8712345678913
InvoiceParty (+remitTo)	
- PartyIdentification gLN	5678901234567
Account Number (+remitTo)	
accountNumber	333666
AccountNumberType	03_CHECKING_ACCOUNT

PartyIdentification (+buyer)	
- PartyIdentification gLN	8712345678913
InvoiceParty (+seller)	
PartyIdentification gLN	8812345678903
InvoiceParty (+shipFrom)	
- PartyIdentification gLN	1234567890123
InvoiceParty (+shipTo)	
PartyIdentification gLN	3456789012345
Reference (+shipNoticeIdentification)	
ReferenceDateTime	2005-01-15T11.00.00
ReferenceIdentification	ASN321123
Reference (+purchaseOrderIdentification)	
ReferenceDateTime	2005-01-01T11.00.00
referenceIdentificaiton	PO964321
ItemReceivedInformaiton	
- itemReceivedQuantity	100
- itemReceivedSynchronisedPrice	33 USD
ItemIdentification (+itemReceivedIdentification)	
- gTIN	12345678901234

Example 2:
Complex Scenario
There is a discrepancy.

Parties involved.
Retailer (Buyer 8712345678913)
Supplier (Seller 8812345678903)
Ship From (1234567890123)
Ship To (3456789012345)
Remit To (5678901234567)

Receiving Information
GTIN (12345678901234)
Quantity Received (100)
Synchronised Price (33 USD)

****This is the beginning of the discrepancy information****
Item Discrepancy Information
No allowance Charge
ItemDiscrepancyQuantity 10
ItemDiscrepancyType: DAMAGED_PRODUCT_OR_CONTAINER
ItemDiscrepancySynchronisedPrice 33 USD

Business Solution Design

Trade Item Tax Information

Tax Amount 1 USD

Tax Agency

Tax agency code: US Federal Government

Tax Type Code: Business Sales

Tax Type Description: Internet Sales

No Payment Discount

AdvancedRemittanceNotification	
- creationDateTime	2005-03-03T11.00.00
- documentStatus	ORIGINAL
- expectedPaymentDate	2005-04-15
- isThereADiscrepancy	NO
-receiptOfGoodsDate	2005-02-19
EntityIdentification (+advancedRemittanceNotificationIdentification)	
- uniqueCreatorIdentification	20051101
PartyIdentification (+contentOwner)	
- gLN	8712345678913
InvoiceParty (+remitTo)	
- PartyIdentification gLN	5678901234567
Account Number (+remitTo)	
accountNumber	333666
AccountNumberType	03_CHECKING_ACCOUNT
PartyIdentification (+buyer)	
- PartyIdentification gLN	8712345678913
InvoiceParty (+seller)	
PartyIdentification gLN	8812345678903
InvoiceParty (+shipFrom)	
- PartyIdentification gLN	1234567890123
InvoiceParty (+shipTo)	
PartyIdentification gLN	3456789012345
Reference (+shiptNoticeIdentification)	
ReferenceDateTime	2005-01-15T11.00.00
referenceIdentification	ASN321123
Reference (+purchaseOrderIdentification)	

Business Solution Design

ReferenceDateTime	2005-01-01T11.00.00
referenceIdentification	PO964321
ItemReceivedInformaiton	
- itemReceivedQuantity	100
- itemReceivedSynchronisedPrice	33 USD
ItemIdentification (+itemReceivedIdentification)	
- gTIN	12345678901234
ItemDiscrepancyInformation	
isAllowanceChargeIncluded	NO
ItemDiscrepancyQuantity	10
ItemDiscrepancySynchronisedPrice	33 USD
ItemDiscrepancyType	DAMAGED_PRODUCT_OR_CONTAINER
ItemIdentification (+itemDiscrepancyIdentification)	
- gTIN	12345678901234
TradeItemTaxInformation	
- taxAmount	1 USD
Tax Agency	
Tax agency code	US Federal Government
Tax Type Code	Business Sales
Tax Type Description	Internet Sales

1.7 Implementation Considerations

No Implementation Consideration.

Business Solution Design

1.8 Testing

1.8.1 Pass / Fail Criteria

Unit testing criteria for business solution.

Number	Test Criteria	Related Requirement	Design Element	Pass Criteria	Fail Criteria
1	None				

1.8.2 Test Data

Attribute	Value
No Test Data	

1.9 Appendices

1.10 Summary of Changes

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

Change	BMS Ver- sion	Associated CR Number
<u>Activity Diagram</u> <ul style="list-style-type: none">Added step numbers in the Activity DiagramAdded third party in step 12 and step 15 <u>GDD</u> <ul style="list-style-type: none">Updated missing secondary class Reference in Report and GDD PlatformUpdated Business Term: itemDiscrepancyQuantity in GDD Report and GDD Platform. <u>Class Diagram</u> <ul style="list-style-type: none">Reordered attributes in PaymentDiscount to be compliant to Modelling Best Practice.Removed external classes. <u>Code List</u> <ul style="list-style-type: none">Added SUBSTITUTED_ITEM in the receiving condition code list. <u>Business Examples</u> <ul style="list-style-type: none">Added business sample data.	0.3.1	
Renamed Advanced Remittance Notice TO Advanced Remittance Notification	0.3.2	06-97

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:

- TSD Zip file Table of Contents
- Business Message Standard Section Technical Level GDD Report
- XSD (XML Schema Documents)
- 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:

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