Advanced Remittance Notification Business Message Standard (BMS)

Release 3.6, Ratified, March 2023

Document Summary

Document Item	Current Value
Document Name	Advanced Remittance Notification Business Message Standard (BMS)
Document Date	Jan 2022
Document Version	3.6
Document Issue	1
Document Status	Ratified

Work Request Reference

Date of WR Submission to GSMP:	WR Submitter(s):	Refer to Work Request (WR) Number(s):
24-Aug-2004	Tina Lords	04-000166
10-Oct-2005	GS1 GO	05-000250
21-Apr-2006	GS1 GO	06-000097
25-Jun-2014	GS1 GO	14-000110
12-Jul-2016	GS1 GO	16-000340
03-Oct-2018	GS1 GO	18-000319

Business Requirements Document (BRAD) Reference

BRAD Title	BRAD Issue Date	BRAD Version
Collaborative Receipt Settlement	13-May-2006	0.0.15

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
12-Jan-2012	BMS 3.0 – Issue 1	Mark Van Eeghem	BMS Release 3.0	See summary of changes
01-May-2013	BMS 3.1 – Issue 1	Coen Janssen	BMS Release 3.1	See summary of changes
15-Sep-2014	BMS 3.2 – Issue 1	Ewa Iwicka	BMS Release 3.2	See summary of changes
01-Mar-2017	BMS 3.3 – Issue 1	Ewa Iwicka	BMS Release 3.3	See summary of changes
15-Oct-2018	BMS 3.4 – Issue 1	Ewa Iwicka	BMS Release 3.4	See summary of changes
02-Feb-2021	BMS 3.5 – Issue 1	Miklos Bolyky	BMS Release 3.5	See summary of changes
05-Jan-2022	BMS 3.5.1 – Issue 1	Miklos Bolyky	BMS Release 3.5.1	See summary of changes
01-Mar-2023	BMS 3.6 – Issue 1	Miklos Bolyky	BMS Release 3.6	See summary of changes

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Table of Contents

1 Business Domain View

1.1 Introduction

Message Definition

The Advanced Remittance Notification is a notice of payment to be made, it is sent by the buyer to the seller upon reception of goods.

Principles

The intent of the Advanced Remittance Notification is:

■ for the buyer to indicate the payment that will be made for goods actually received;

■ to communicate discrepancies that exist between the seller's shipping documents and the buyer's receiving documents.

1.2 References

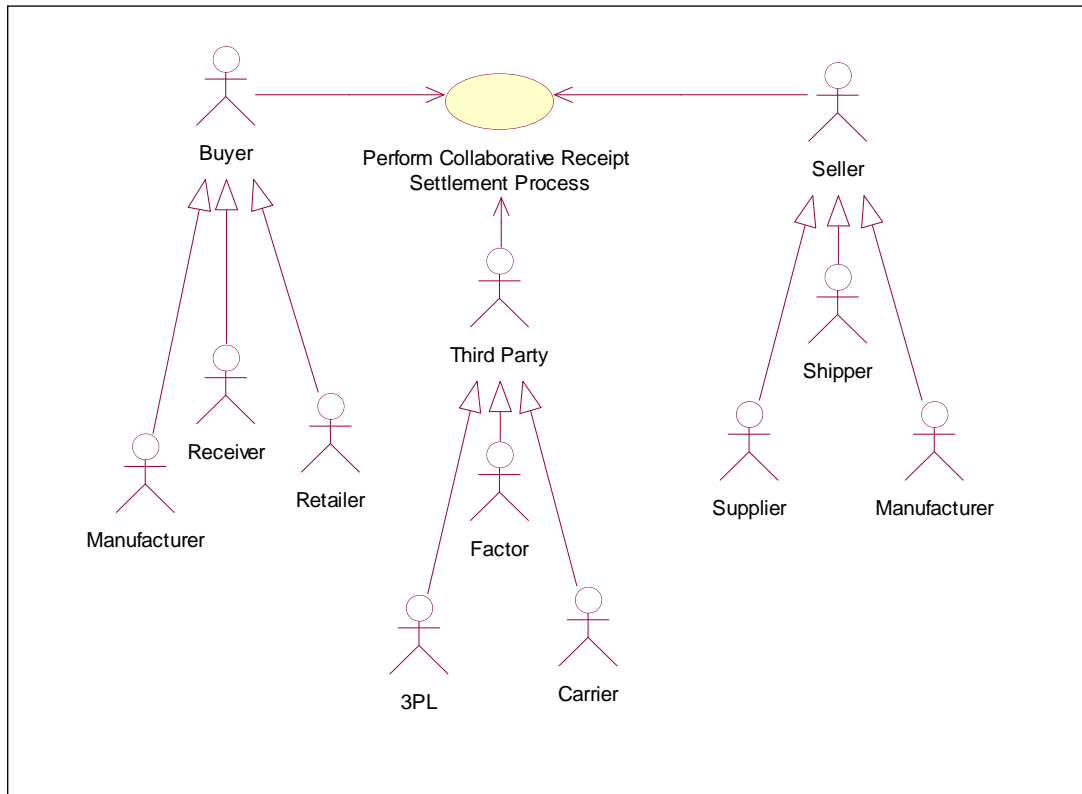| Reference Number	Reference Name	Description
[ref1]	Order	Business Message Standard
[ref2]	Despatch Advice	Business Message Standard
[ref3]	Request for Payment	Business Message Standard
[ref4]	Advance Ship Notice	EDI X12 856
[ref5]	Claims Debit Credit Advice	EDI X12 812 EANCOM Claims message RETANN Announcement for returns RETINS Instructions for returns
[ref6]	Receiving Advice	Business Message Standard
[ref7]	Settlement	Business Message Standard
[ref8]	eCom Domain Common Library 3.4	Components used commonly within the eCom domain
[ref9]	Shared Common Library 3.4	Components used in both GDSN and the eCom Domain.

2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Pay
System Capabilities	GS1 System
Official Constraints	None

3   Business Transaction View

3.1   Business Transaction – Perform Collaborative Receipt Settlement Process

Use Case Diagram

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 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	No alternative scenario
Related Requirements	No related requirements
Related Rules	No related rules.

Activity Diagram(s)
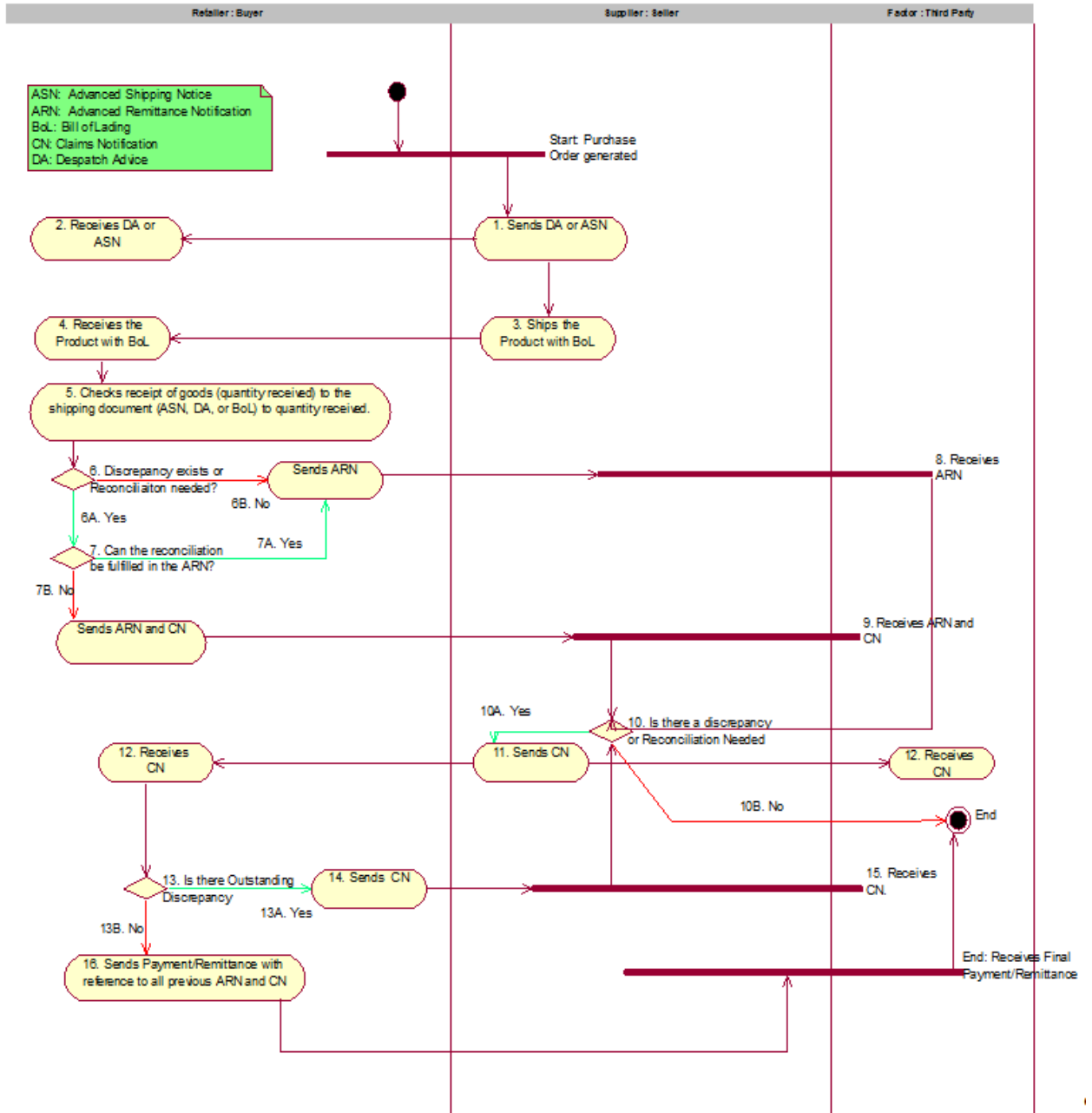
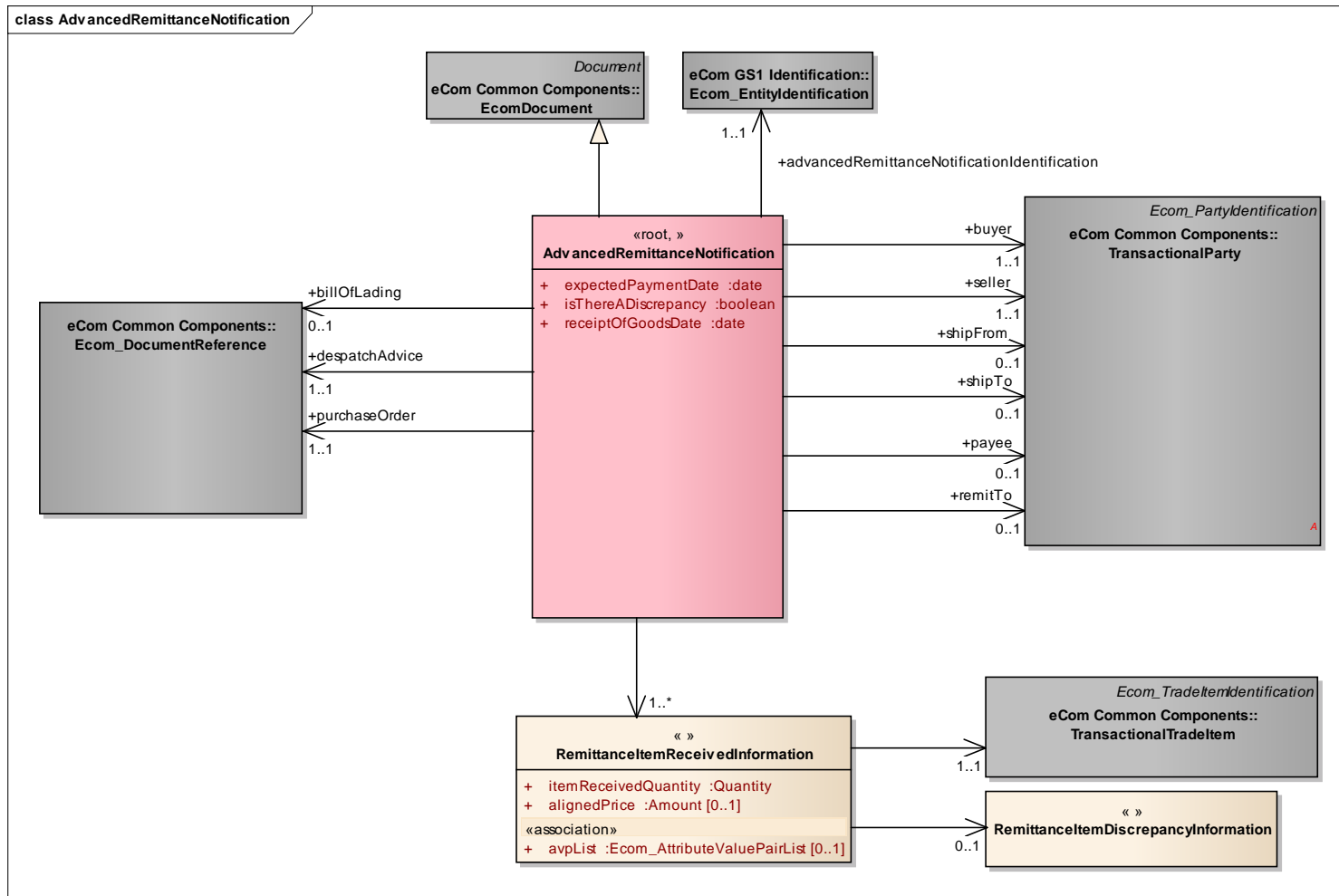## Sequence Diagram(s)

Not Applicable

4 Business Information View

4.1 Advanced Remittance Notification

Class diagram

GDD report

The content of the: AdvancedRemittanceNotification class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:AdvancedRemittanceNotification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
AdvancedRemittanceNotification				The Advanced Remittance Notification is sent by the buyer to the seller upon reception of goods. The intent of the Advanced Remittance Notification is: 1. for the buyer to indicate the payment that will be made for goods actually received; 2. to communicate discrepancies that exist between the seller's shipping documents and the buyer's receiving documents.	
Association	advancedRemittanceNotificationIdentification	Ecom_EntityIdentification	1..1	A unique number identifying the Advanced Remittance Notification.	WR 15-000314
Association	purchaseOrder	Ecom_DocumentReference	1..1	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.	WR 15-000314
Association	despatchAdvice	Ecom_DocumentReference	1..1	A unique number identifying the Despatch Advice (Advanced Shipping Notice) to synchronize/correlate to each trading partner's accounts receivable and accounts payable.	renamed from shipNoticeIdentification WR 15-000314
Association	buyer	TransactionalParty	1..1	Party to whom merchandise and/or service is sold.	
Association	remitTo	TransactionalParty	0..1	The party (account owner) that receives a payment when such party is not the same as the seller.	
Association	seller	TransactionalParty	1..1	Party selling merchandise to a buyer.	
Association	shipFrom	TransactionalParty	0..1	Identification of the location from where goods will be or have been shipped.	
Association	billOfLading	Ecom_DocumentReference	0..1	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.	WR 15-314

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association		RemittanceItemReceivedInformation	1..*	Additional information at item level for goods received on the Advanced Remittance Notification.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time and the placeholder for non-standard attributes.	
Association	shipTo	TransactionalParty	0..1	Party to where goods will be or have been shipped.	
Association	payee	TransactionalParty	0..1	Identifies the credit party when other than the beneficiary.	
Attribute	expectedPaymentDate	date	1..1	Date at which payment is expected by the seller for the goods received by the buyer.	
Attribute	isThereADiscrepancy	boolean	1..1	A flag to indicate if there were discrepancies between the seller's shipping documents and the buyer's receiving documents or not.	
Attribute	receiptOfGoodsDate	date	1..1	Date at which the goods sold by the seller are received by the buyer.	

✅ **Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

GDD Report

The content of the RemittanceItemReceivedInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:
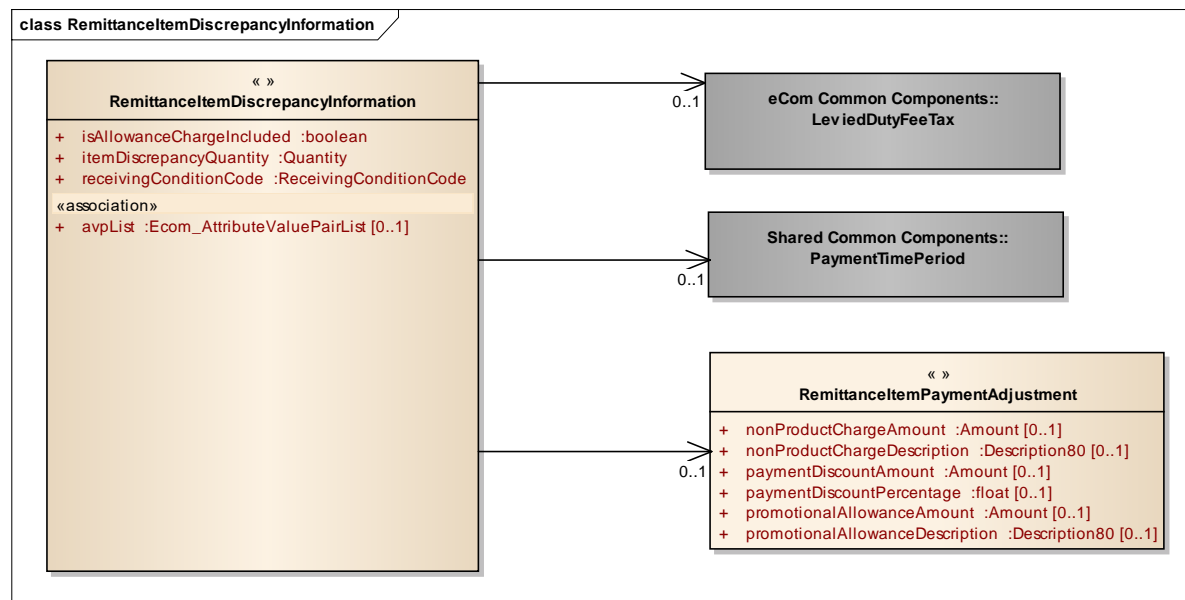*http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:RemittanceItemReceivedInformation*

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
RemittanceItemReceivedInformation				Additional information at item level with regards to the Advanced Remittance Notification.	
Association		TransactionalTradeItem	1..1	The unique identifier for the goods and services received and mentioned in the Advanced Remittance Notification.	removed role name itemReceivedIdentification and associated to TransactionalTradeItem

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association		RemittanceItemDiscrepancyInformation	0..1	Information with regards to a stated discrepancy between the goods the buyer received and the seller shipped.	
Attribute	itemReceivedQuantity	Quantity	1..1	Identifies the quantity of items received by the buyer.	
Attribute	alignedPrice	Amount	0..1	Price expressed as a monetary value. Through alignment between parties, this price has been previously agreed to.	
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	

4.2   Remittance Item Discrepancy Information

Class Diagram

GDD Report

The content of the RemittanceItemDiscrepancyInformation class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:RemittanceItemDiscrepancyInformation

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
RemittanceItemDiscrepancyInformation				Information with regards to a stated discrepancy between the goods the buyer received and the seller shipped.	
Association		PaymentTimePeriod	0..1	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.	
Association		RemittanceItemPaymentAdjustment	0..1	Additional information with regards to discounts applied to the payment for an item.	
Association		LeviedDutyFeeTax	0..1	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.	
Attribute	isAllowanceChargeIncluded	boolean	1..1	A flag to indicate whether or not allowances and charges are included in the Advanced Remittance Notification. By default, this is not the case.	
Attribute	itemDiscrepancyQuantity	Quantity	1..1	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.	
Attribute	receivingConditionCode	ReceivingConditionCode	1..1	Code specifying the condition in which goods, inclusive containers, have been received.	renamed from itemDiscrepancyType
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	

GDD Report

The content of the RemittanceItemPaymentAdjustment class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:RemittanceItemPaymentAdjustment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
RemittanceItemPaymentAdjustment				Additional information on discount on payments, allowances and charges to be made for items mentioned in the Advanced Remittance Notification.	renamed from PaymentDiscount
Attribute	nonProductCharge Amount	Amount	0..1	Amount, which is non product related, that is charged to the buyer by the seller.	
Attribute	nonProductCharge Description	Description80	0..1	Description of the non-product related charge to the buyer by the seller.	
Attribute	paymentDiscount Amount	Amount	0..1	Amount of currency received as a discount on the amount to be paid for the goods received by the buyer.	
Attribute	paymentDiscount Percentage	float	0..1	Discount on the amount to be paid for the goods received by the buyer, expressed in percents.	
Attribute	promotionalAllowa nceAmount	Amount	0..1	Allowance, due to a promotion, on the amount to be paid for the goods received by the buyer.	
Attribute	promotionalAllowa nceDescription	Description80	0..1	Description of the Allowance, due to a promotion, on the amount to be paid for the goods received by the buyer.	

✓ **Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6for all common information.

4.3   Enumerations (message specific)

Not applicable

4.4   Code Lists

Class	Codelist	GDD Link
RemittanceItemDiscrepancyInformation	ReceivingConditionCode	*http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:ReceivingConditionCode*

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

5 Business Message Examples

5.1 Example 1

This is an example of the Advance Remittance Notification Message used in **simple scenario**, with **no discrepancy**.

Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller
5412345000037	Ship To
4098765000997	Ship From
4020847656471	Remit To

Receiving Information:

■ GTIN (40987650000223)

■ Quantity Received (48)

■ Synchronised Price (10 EUR)

Message Example 1

Attribute	Value
AdvancedRemittanceNotification	
creationDateTime	2011-04-12 11.00
documentStatusCode	ORIGINAL
expectedPaymentDate	2005-04-15
isThereADiscrepancy	FALSE
receiptOfGoodsDate	2005-02-19
EntityIdentification (+advancedRemittanceNotificationIdentification)	
entityIdentification	ARN51101
PartyIdentification (+contentOwner)	
gln	5412345000013
TransactionalParty (+remitTo)	
gln	5678901234567
FinancialInstitutionInformation	
financialInstitutionName	HSBC
FinancialAccount	
accountNumber	333666
accountNumberType	CHECKING_ACCOUNT
TransactionalParty (+buyer)	
gln	5412345000013

Attribute	Value
TransactionalParty (+seller)	
gln	4098765000010
TransactionalParty (+shipFrom)	
gln	4098765000997
TransactionalParty (+shipTo)	
gln	5412345000037
DocumentReference (+despatchAdvice)	
creationDateTime	2011-04-10 10:00
entityIdentification	DA349875
lineItemNumber	1
DocumentReference (+purchaseOrder)	
creationDateTime	2011-03-11 11:00
entityIdentification	PO3352
lineItemNumber	1
RemittanceItemReceivedInformaiton	
itemReceivedQuantity	48
alignedPrice	10 EUR
TransactionalTradeItem	
gtin	40987650000223

5.2   Example 2

This is an example of the Advance Remittance Notification Message used in **complex scenario**, **with discrepancy**.

Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller
5412345000037	Ship To
4098765000997	Ship From
4020847656471	Remit To

Receiving Information:

- GTIN (40987650000223)
- Quantity Received (48)
- Synchronised Price (10 EUR)

Discrepancy Information:

- ItemDiscrepancyQuantity 10
- GTIN (40987650000223)
- ItemDiscrepancyType: DAMAGED_PRODUCT_OR_CONTAINER

- ItemDiscrepancySynchronisedPrice 10 EUR

- Tax Amount 19 EUR

- Tax Type Code VAT

- No Payment Discount

- No Allowance Charge

Message Example 2

Attribute	Value
AdvancedRemittanceNotification	
expectedPaymentDate	2011-04-20
isThereADiscrepancy	TRUE
receiptOfGoodsDate	2011-04-11
Document	
creationDateTime	2011-04-12 11.25
documentStatusCode	ORIGINAL
EntityIdentification (+advancedRemittanceNotificationIdentification)	
entityIdentification	ARN88101
PartyIdentification (+contentOwner)	
Gln	5412345000013
TransactionalParty (+remitTo)	
gln	4020847656471
FinancialInstitutionInformation	
financialInstitutionName	HSBC
FinancialAccount	
accountNumber	333666
accountNumberType	CHECKING_ACCOUNT
TransactionalParty (+buyer)	
gln	5412345000013
TransactionalParty (+seller)	
gln	4098765000010
TransactionalParty (+shipFrom)	
gln	4098765000997
TransactionalParty (+shipTo)	
gln	5412345000037
DocumentReference (+despatchAdvice)	
creationDateTime	2011-04-10 10:00
entityIdentification	DA349875
lineItemNumber	1
DocumentReference (+purchaseOrder)	
creationDateTime	2011-03-11 11:00
entityIdentification	PO3352

Attribute	Value
lineItemNumber	1
RemittanceItemReceivedInformaiton	
itemReceivedQuantity	48
alignedPrice	10 EUR
TransactionalTradeItem	
gtin	40987650000223
RemittanceItemDiscrepancyInformation	
isAllowanceChargeIncluded	FALSE
ItemDiscrepancyQuantity	10
receivingConditionCode	DAMAGED_PRODUCT_OR_CONTAINER
LeviedDutyFeeTax	
dutyFeeTaxAmount	19 EUR
dutyFeeTaxTypeCode	VAT

6 Implementation Considerations

6.1 User Guide

The Functional User Guide contains more information about the structure and content of the Advanced Remittance Notification message: *http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade_messages.html#AdvancedRemittanceNotification*

6.2 Message Specific Considerations

Not Applicable

7 Summary of Changes

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

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

7.1 BMS Release 3.0

Change	Associated CR Number
Updated for Major Release 3.0, BMS version 3.0.0: Updated to reflect changes in modelling methodology.	N/A

7.2 BMS Release 3.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.3 BMS Release 3.2

Change	Associated WR
class AdvancedRemittanceNotification - maintenance view «root, » **AdvancedRemittanceNotification** + expectedPaymentDate: date + isThereADiscrepancy: boolean + receiptOfGoodsDate: date *maintenance* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)	**14-000110** Add Attribute Value Pair at the root, line item and sub line item levels
class RemittanceItemReceivedInformation - mainte... « » **RemittanceItemReceivedInformation** + itemReceivedQuantity: Quantity + alignedPrice: Amount [0..1] «association» + avpList: Ecom_AttributeValuePairList [0..1] *maintenance* Change: (Verified) 3.2 added +avpList (WR 14-110)	**14-000110** Add Attribute Value Pair at the root, line item and sub line item levels

Change	Associated WR
class RemittanceItemDiscrepancyInformation - maintena... « » **RemittanceItemDiscrepancyInformation** + isAllowanceChargeIncluded: boolean + itemDiscrepancyQuantity: Quantity + receivingConditionCode: ReceivingConditionCode «association» + avpList: Ecom_AttributeValuePairList [0..1] *maintenance* Change: (Verified) 3.2 added +avpList (WR 14-110)	**14-000110** Add Attribute Value Pair at the root, line item and sub line item levels

7.4   BMS Release 3.3

Change	Associated WR
Created Ecom_EntityIdentification class and changed association from the previous EntityIdentification **class AdvancedRemittanceNotification - maintenance view** eCom GS1 Identification:: **Ecom_EntityIdentification** *maintenance* Change: (New) 3.3 New class (WR 15-314) 1..1 +advancedRemittanceNotificationIdentification «root, » **AdvancedRemittanceNotification** + expectedPaymentDate :date + isThereADiscrepancy :boolean + receiptOfGoodsDate :date *maintenance* Change: (Complete) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110) Change: (New) 3.3 changed association from EntityIdentification to Ecom_EntityIdentification (WR 15-314) Change: (New) 3.3 changed associations named +billOfLading, +despatchAdvice and purchaseOrderfrom DocumentReference to Ecom_DocumentReference (WR 15-314)	**15-000314** Make GS1 identification keys optional in GS1 EDI XML

Change	Associated WR
Created Ecom_DocumentReference class and changed association from the previous DocumentReference 	**15-000314** Make GS1 identification keys optional in GS1 EDI XML

7.5 BMS Release 3.4

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.6 BMS Release 3.5

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.7 BMS Release 3.5.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.8 BMS Release 3.6

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

8 Appendices

Not Applicable

9 Acknowledgements

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

9.1 Work Group

Function	Name	Company / organisation
Co-chair	Rossner (Pottier), Natascha	GS1 France
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Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
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Member	Tse, Steve	GS1 Hong Kong
Member	Tyson, Betty	Knouse Foods Cooperative, Inc
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9.2   Development Team Members

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Peer Review	Mark Van Eeghem	GS1 Global Office