



# Invoice

## Business Message Standard (BMS)

*Release 3.2*

*01-Dec-2014, Issue 1*



## Document Summary

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05-Dec-2007	GS1 France	07-000447
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18-Dec -2006	GS1 UK	06-000337
18-Nov-2006	GS1 Australia	06-000300
18-Nov- 2006	GS1 Australia	06-000301
19-Nov-2006	GS1 Australia	06-000302
03-Apr-2006	Accenture	06-000084
15-Dec-2004	Upstream, GS1	04-000229
27-Nov-2013	DHL	13-000192
29-Nov-2013	GS1 Spain	13-000194
07-Feb-2014	GS1 Germany	14-000021
20-Mar-2014	GS1 Slovenia	14-000044
25-Jun-2014	GS1 Global Office	14-000110

## Business Requirements Document (BRAD) Reference

BRAD Title	BRAD Issue Date	BRAD Version
BRAD Invoice Credit Note	24- May- 2007	Version 0.0.5
Invoice Enhancements	09 –Jan- 2007	Version 0.0.1
Upstream Standards Financial Settlement	13 –Jun -2006	Version 0.1.1
BRD Simple Invoice Extension	24- Sep- 2004	Version 1.3.1
BRAD eCom Maintenance Release 2 BMS 2.6.0	29-Jun-2009	Version 0.1.1
BRAD for Current Requirements Queue MR3.0	23-Nov-2010	Issue 0.2.0
Invoice – European Union Value Added Tax (VAT) Extension	19 May 2005	Version 0.0.4

## 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

Date of Change	Version	Changed By	Reason for Change	Summary of Change
01-Dec-2014	BMS 3.2 – Issue 1	Ewa Iwicka	BMS Release 3.2	See summary of changes

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# 1. Business Domain View

## 1.1. Introduction

### Message Definition

The Invoice message is sent by the supplier to the customer claiming payment for goods or services supplied under conditions agreed by the seller and the buyer.

### Principles

The seller may invoice for one or more transactions referring to goods and services related to one or more order, delivery instruction, call off, etc. The invoice may contain references to payment terms, transport details and additional information for customs or statistical purposes in the case of cross-border transaction.

The same message with correct data qualification also covers the functions of proforma invoice, debit and credit note. Furthermore, the Invoice message may be applied in a self-billing scenario, where the buyer will send the invoice.

## 1.2. References

Reference Number	Reference Name	Description
[Ref1]	BRAD Upstream Standards	Financial Settlement Version 0.1.0 Version Financial requirements for the Upstream IRT
[Ref2]	BRD Request for Payment	
[Ref3]	BRD Simple Invoice Extensions	
[Ref4]	BRAD Invoice Enhancements	Version 0.0.1
[Ref5]	BRAD Invoice Credit Note	BRAD Version 0.0.5
[Ref6]	BMS Shared Common Library	BMS Release 3.2.0
[Ref7]	BMS eCom Domain Common Library	BMS Release 3.2.0
[Ref8]	BMS Pay EU Invoice extension	BMS Release 2.6.0

## 2. Business Context

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

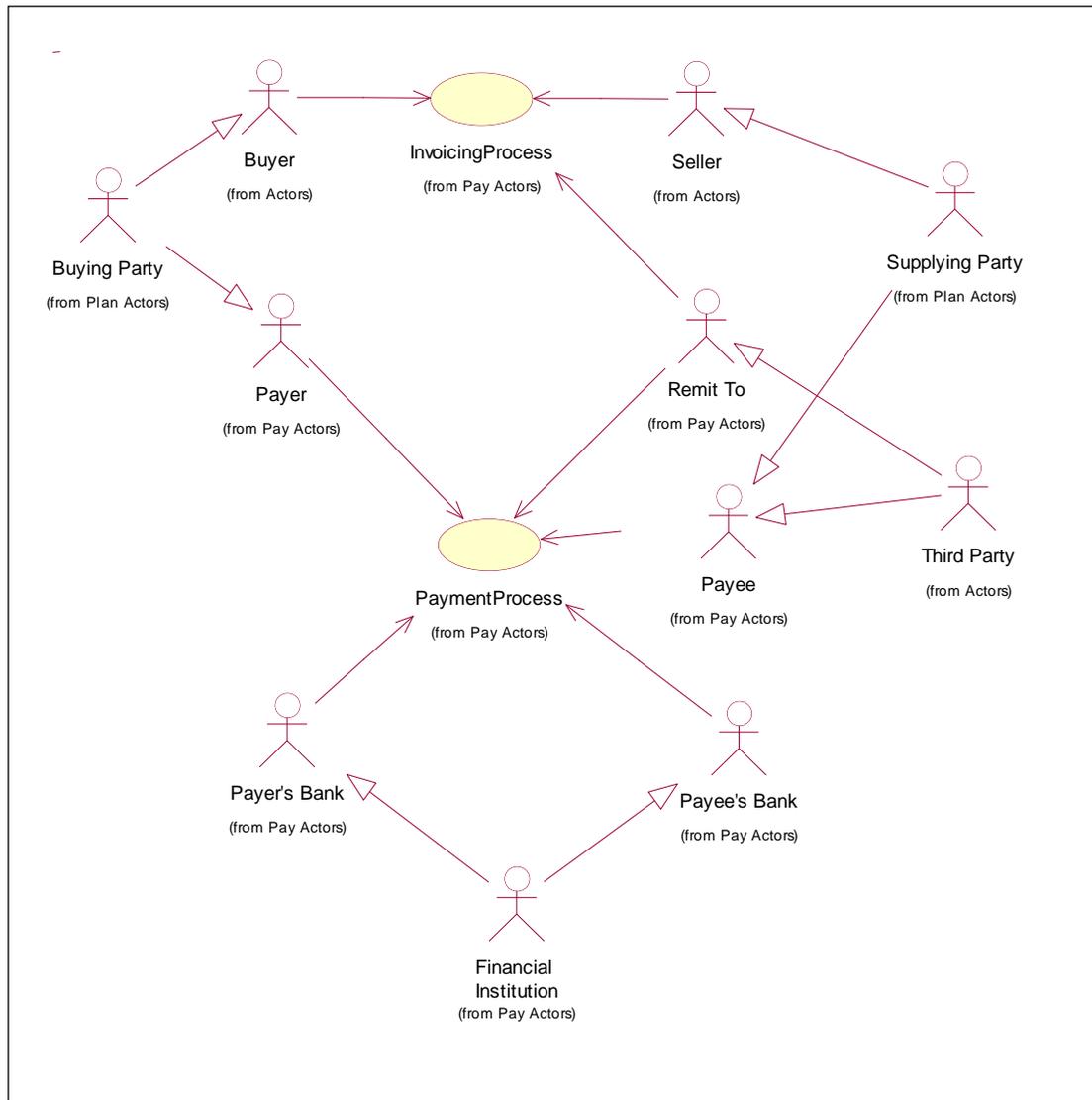
## 3. Business Transaction View

### 3.1. Business Process

The diagram below illustrates the parties and the roles they (can) play in the invoicing and payment processes.

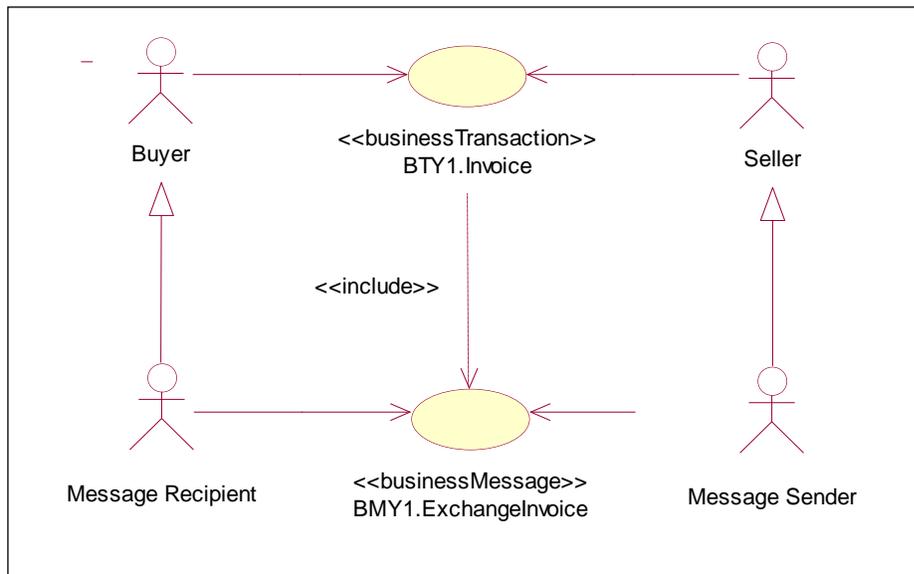
- Amongst others, the invoice transaction sets the preconditions for the payment process. Therefore the invoice also contains information about the parties that will become active during the payment process, i.e. the payer and the payee.
- Furthermore there might be a third party involved, such as a factor.

#### Use Case Diagram



## 3.2. Business Transaction – Invoice

### Use Case Diagram



### Use Case Description

<b>Use Case ID</b>	BMY-1									
<b>Use Case Name</b>	Exchange Invoice									
<b>Use Case Description</b>	The invoice message enables the seller to send an invoice to the buyer related to delivered goods (in case of non-consignment scenario) or to used (consumed) goods (in case of a consignment scenario)									
<b>Actors (Goal)</b>	Buyer: To receive the invoice Seller: To send the invoice Remit-to: To receive the invoice									
<b>Performance Goals</b>	None									
<b>Preconditions</b>	None									
<b>Post conditions</b>	None									
<b>Scenario</b>	<p><b>Begins when...</b></p> <p>The seller generates an invoice based on the goods deliveries or consumption reports (in case of consignment).</p> <p><b>Continues with...</b></p> <table border="1" data-bbox="597 1566 1451 1728"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Issues and sends the invoice to the buyer.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p><b>Ends when</b> The buyer receives the invoice.</p>	Step #	Actor	Activity Step	1	Seller	Issues and sends the invoice to the buyer.			
Step #	Actor	Activity Step								
1	Seller	Issues and sends the invoice to the buyer.								

<b>Alternative Scenario</b>	<p><b>Begins when...</b></p> <p>The seller generates an invoice based on the goods delivered or consumption reports (in case of consignment) and the payment is to be made to a remit-to</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #003366; color: white;"> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Seller</td> <td>Issues and sends the invoice to the buyer and to the remit-to</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p><b>Ends when:</b></p> <p>The buyer and remit-to receives the invoice</p>	Step #	Actor	Activity Step	1	Seller	Issues and sends the invoice to the buyer and to the remit-to			
Step #	Actor	Activity Step								
1	Seller	Issues and sends the invoice to the buyer and to the remit-to								
<b>Related Requirements</b>	No Related Requirements									
<b>Related Rules</b>	No Related Rules									
<b>Use Case ID</b>	ICN -1									
<b>Use Case Name</b>	Issue Credit Note									
<b>Use Case Description</b>	The credit note enables the seller to provide credit information to the relevant party.									
<b>Actors (Goal)</b>	Buyer: To receive the credit note Seller: To send the credit note									
<b>Performance Goals</b>	None									
<b>Preconditions</b>	The buyer receives an invoice which they are in dispute of.									
<b>Post conditions</b>	None									
<b>Scenario</b>	<p><b>Begins when...</b></p> <p>In case of invoice disputes, the buyer requests the invoice to be corrected (manual process).</p> <p><b>Continues with...</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #003366; color: white;"> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Seller</td> <td>The seller issues and sends a credit note with the agreed corrections.</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Buyer</td> <td>The buyer receives the credit note.</td> </tr> </tbody> </table> <p><b>Ends when...</b> The buyer receives the credit note.</p>	Step #	Actor	Activity Step	1	Seller	The seller issues and sends a credit note with the agreed corrections.	2	Buyer	The buyer receives the credit note.
Step #	Actor	Activity Step								
1	Seller	The seller issues and sends a credit note with the agreed corrections.								
2	Buyer	The buyer receives the credit note.								
<b>Alternative Scenario</b>	None									
<b>Related Requirements</b>	Not Applicable									
<b>Related Rules</b>	In case of this transaction the invoice type CREDIT_NOTE must be used.									

### Business Transaction Activity Diagram(s)

Not applicable

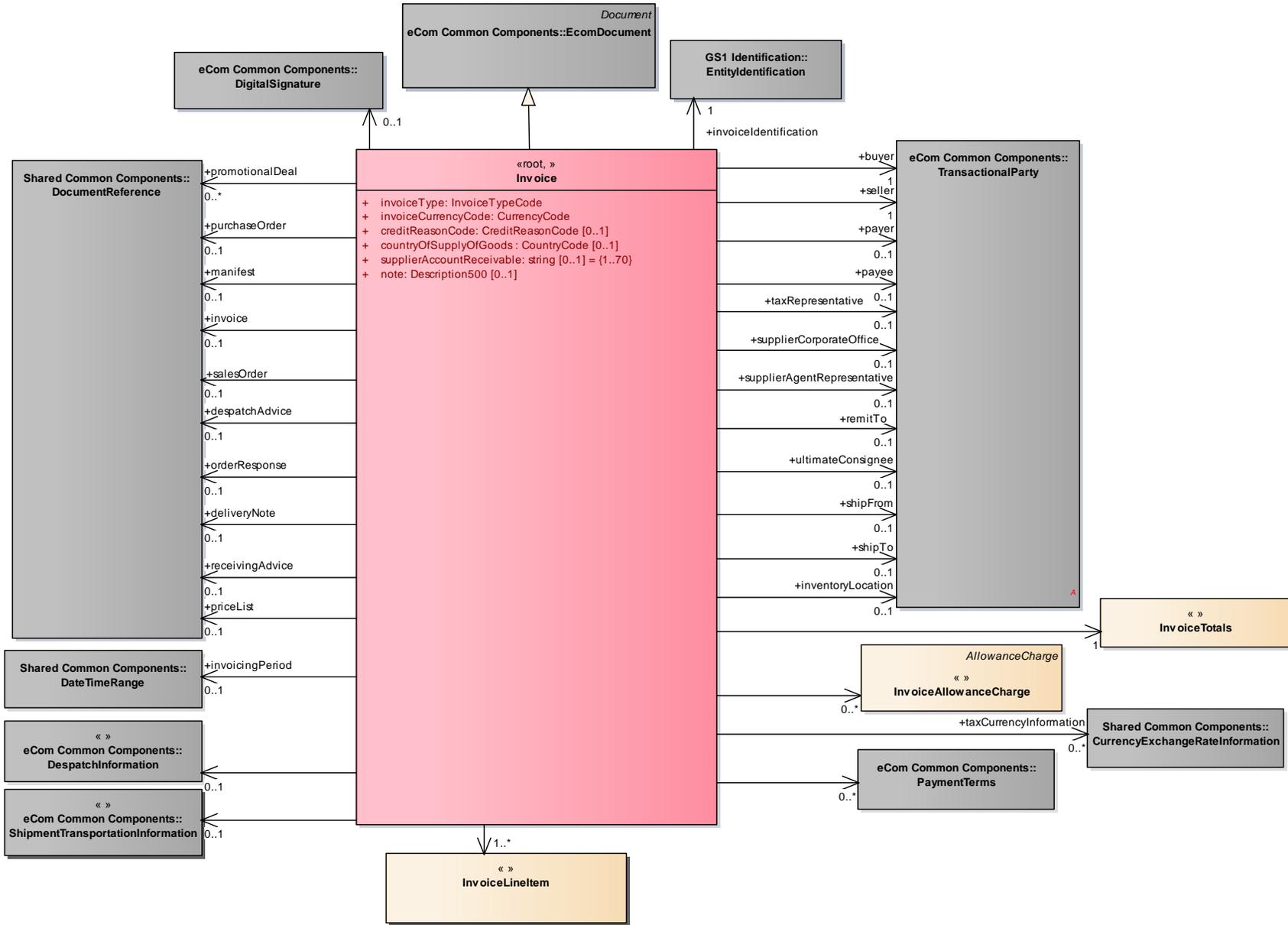
### Business Transaction Sequence Diagram(s)

Not applicable

## 4. Business Information View

### 4.1. Invoice

Class Diagram



**GDD Report**

The content of the Invoice class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:Invoice](http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:Invoice)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Invoice				The Invoice message is sent by the supplier to the customer claiming payment for goods or services supplied under conditions agreed by the seller and the buyer. This same message with correct data qualification also covers the functions of proforma invoice, debit and credit note. The seller may invoice for one or more transactions referring to goods and services related to one or more order, delivery instruction, call off, etc. The invoice may contain references to payment terms, transport details and additional information for customs or statistical purposes in the case of cross-border transaction.	
Association		PaymentTerms	0..*	The specification of the payment terms applicable to this invoice.	
Association	supplierCorporateOffice	TransactionalParty	0..1	Identity of the supplier party to whom all other parties of the same commercial organization are linked.	
Association	receivingAdvice	DocumentReference	0..1	Reference to the commercial document related to the goods receipt, used to report the physical receipt of goods.	
Association	manifest	DocumentReference	0..1	Reference number assigned to a list of goods to be transferred (freight list).	
Association		ShipmentTransportationInformation	0..1	Detailed information on the transportation of shipments for this invoice.	
Association	invoice	DocumentReference	0..1	Reference to the original invoice which is an itemized statement of money owed for goods shipped or services rendered.	
Association	ultimateConsignee	TransactionalParty	0..1	Identifies the party that is the final recipient of the shipment being invoiced.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	despatchAdvice	DocumentReference	0..1	Reference to the commercial document issued by the seller to inform buyer about despatch of goods, detailed content of a shipment, and to provide means for shipment tracing.	
Association	salesOrder	DocumentReference	0..1	Reference number assigned by the supplier to a buyer's purchase order.	
Association		DigitalSignature	0..1	A character string, generated using an asymmetric technique, which provides message non-repudiation, integrity checking and authentication.	
Association	seller	TransactionalParty	1..1	Party selling merchandise to a buyer.	
Association	payee	TransactionalParty	0..1	Identifies the credit party when other than the beneficiary.	
Association	invoicingPeriod	DateTimeRange	0..1	Period for which an invoice is issued.	
Association	inventoryLocation	TransactionalParty	0..1	Identification of the location where the goods will be or have been stored.	
Association	purchaseOrder	DocumentReference	0..1	Reference to the purchase order which is a commercial document issued by a buyer to a seller, indicating the item quantities for products or services that the seller will provide to the buyer.	
Association		DespatchInformation	0..1	The estimated delivery date time and actual ship date time for the goods billed in this invoice.	BRAD RQ 09.234
Association	taxRepresentative	TransactionalParty	0..1	The party who is responsible for declaring the Value Added Tax (VAT) on the sale of goods or services.	
Association	supplierAgentRepresentative	TransactionalParty	0..1	The seller's agent representative is the party representing the seller or supplier for the purpose of the trade transaction.	
Association	buyer	TransactionalParty	1..1	Party to whom merchandise and/or service is sold.	
Association	shipFrom	TransactionalParty	0..1	Identification of the location from where goods will be or have been shipped.	
Association		InvoiceAllowanceCharge	0..*	The allowances and/or charges applicable to the invoice.	

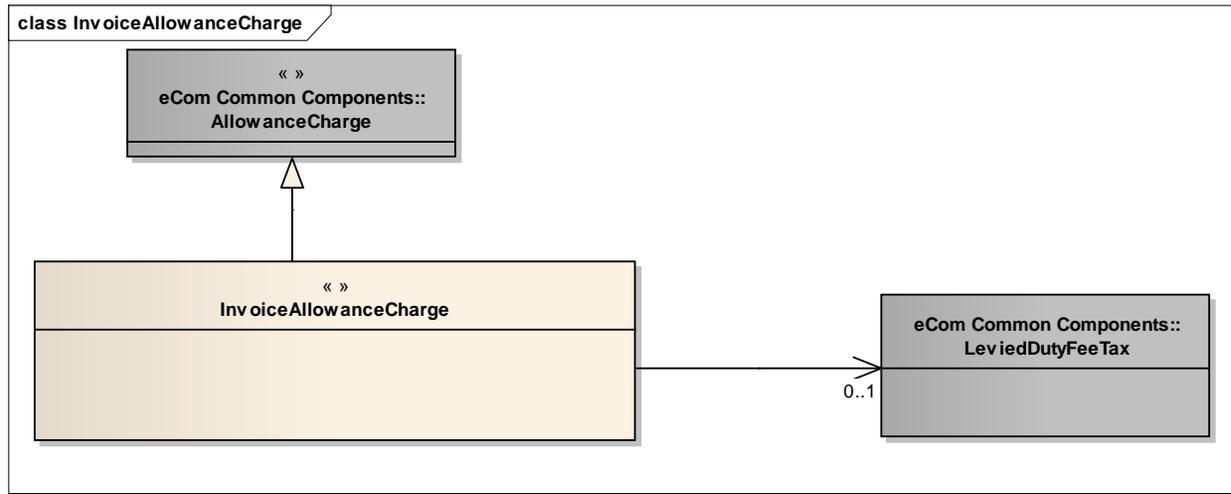
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	orderResponse	DocumentReference	0..1	Reference to the order response which is a commercial document issued by a seller to inform the buyer regarding the response to the order.	
Association	payer	TransactionalParty	0..1	Party initiating payment.	
Association	shipTo	TransactionalParty	0..1	Party to where goods will be or have been shipped.	
Association	deliveryNote	DocumentReference	0..1	Reference to the delivery note which is usually a paper document issued by the delivering party which accompanies delivery of goods specifying the item and quantity of goods. This is usually signed by the receiving party and retained by the delivering party as proof of delivery for reconciliation.	
Association	taxCurrencyInformation	CurrencyExchangeRateInformation	0..*	Contains the currency in which taxes will be paid, as well as the exchange rate against the invoice currency.	
Association	priceList	DocumentReference	0..1	Reference Number assigned to a price list.	
Association		InvoiceLineItem	1..*	Contains the specification of the Invoice Line Item.	
Association	promotionalDeal	DocumentReference	0..*	Reference assigned by one of the trading partners to a specific Promotional activity. Promotional Deal is associated with promotional activity which has a start and end date with incentive provided by one of the trading partners.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	14-000110
Association		InvoiceTotals	1..1	Provides the totals for this invoice.	
Association	remitTo	TransactionalParty	0..1	The party (account owner) that receives a payment when such party is not the same as the seller.	
Association	invoiceIdentification	EntityIdentification	1..1	Contains the unique identifier of the business document.	
Attribute	invoiceType	InvoiceTypeCode	1..1	Code specifying the type of invoice.	



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	invoiceCurrencyCode	CurrencyCode	1..1	The monetary unit used for calculation in an invoice.	
Attribute	creditReasonCode	CreditReasonCode	0..1	Code specifying the reason why the credit was issued.	
Attribute	countryOfSupplyOfGoods	CountryCode	0..1	Code identifying the country from which the delivery has taken place.	
Attribute	supplierAccountReceivable	string	0..1	Reference number assigned by the accounts receivable department to the account of a specific debtor.	
Attribute	note	Description500	0..1	Free text used to convey information that is not processed by applications. Only meant to present the information to a user as on a screen, in a browser, etc.	BRAD RQ 09.236.F

## 4.2. Invoice Allowance Charge

### Class Diagram



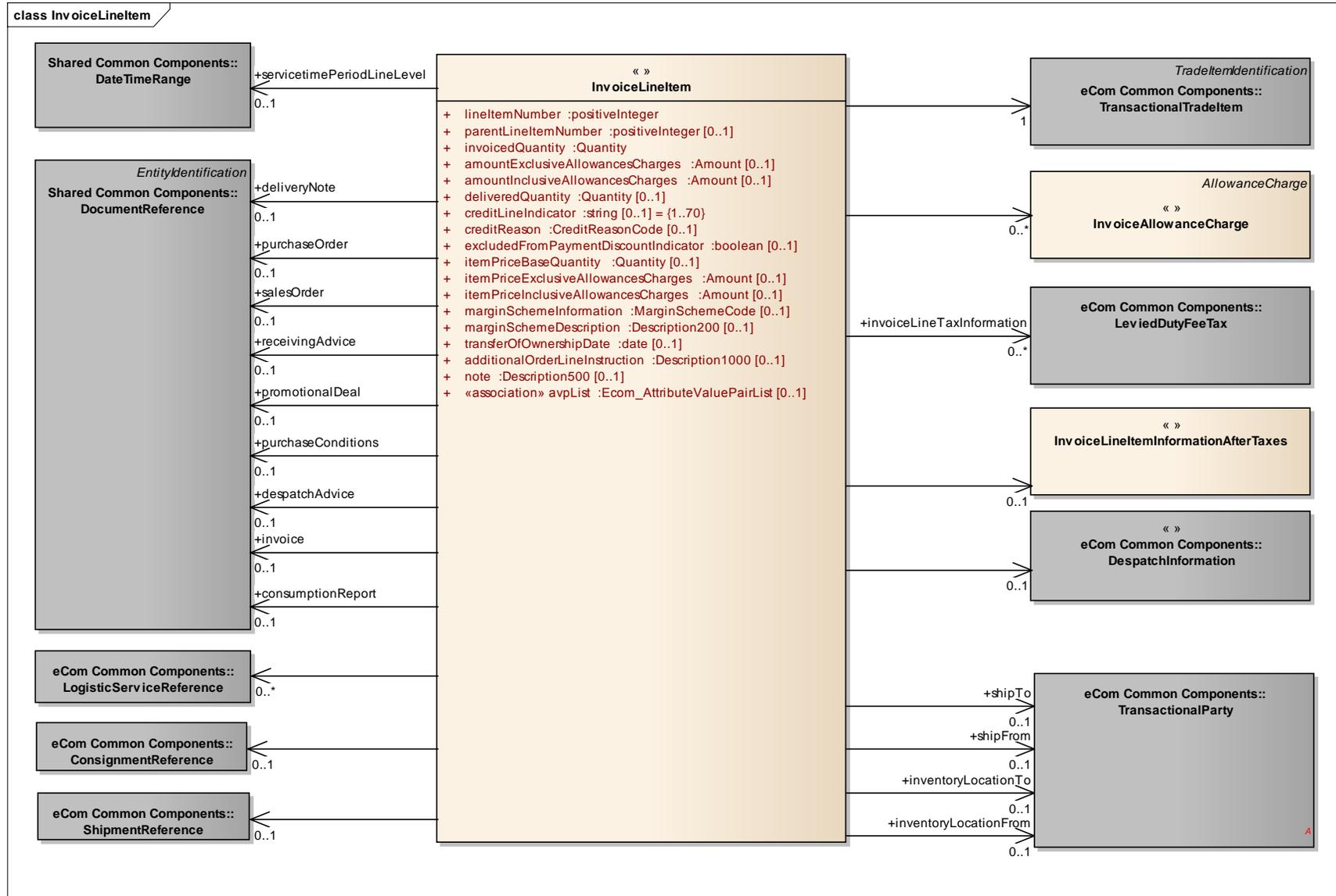
### GDD Report

The content of the InvoiceAllowanceCharge class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceAllowanceCharge](http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceAllowanceCharge)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InvoiceAllowanceCharge					
Association		LeviedDutyFeeTax	0..1	The tax, duty or fee applicable to this allowance or charge.	
Generalization		AllowanceCharge		Specifies allowances and charges specified to either the entire message or to individual line items contained in the message.	

## 4.3. Invoice Line Item

### Class Diagram



## GDD Report

The content of the InvoiceLineItem class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceLineItem](http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceLineItem)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InvoiceLineItem				Specifies the information related to each line item. Each Invoice will contain one or more line items.	
Association	servicetimePeriodLineLevel	DateTimeRange	0..1	Period of time during which a subscription is valid.	
Association	receivingAdvice	DocumentReference	0..1	A reference number identifying a receiving advice.	
Association		ShipmentReference	0..1	Reference to details of shipment.	WR 13-000192
Association		InvoiceLineItemInformationAfterTaxes	0..1	This is the invoice line amount including tax.	
Association		LogisticServiceReference	0..*	References to GS1 messages related to logistic services.	WR 13-000192
Association		InvoiceAllowanceCharge	0..*	The allowances and/or charges applicable to the invoice line.	
Association	invoiceLineTaxInformation	LeviedDutyFeeTax	0..*	Information about the tax applicable to the invoice line.	
Association	shipTo	TransactionalParty	0..1	Party to where goods will be or have been shipped.	
Association	inventoryLocationTo	TransactionalParty	0..1	Identification of the location where the incoming goods will be or have been stored. Allow specification of charges for warehouse services such as storage, re-palletisation, etc.	WR 13-000192
Association		TransactionalTradeItem	1..1	The identification of any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, ordered, or invoiced at any point in any supply chain.	
Association	consumptionReport	DocumentReference	0..1	A reference number identifying a consumption report.	
Association	salesOrder	DocumentReference	0..1	Reference number assigned by supplier to a buyer's purchase order.	
Association	purchaseOrder	DocumentReference	0..1	Reference number assigned by the buyer to an order.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	inventoryLocationFrom	TransactionalParty	0..1	Identification of the location where the outgoing goods will be or have been stored. Allow specification of charges for warehouse services such as storage, re-palletisation, etc.	WR 13-000192
Association	promotionalDeal	DocumentReference	0..1	Reference assigned by one of the trading partners to a specific Promotional activity. Promotional Deal is associated with promotional activity which has a start and end date with incentive provided by one of the trading partners.	
Association	purchaseConditions	DocumentReference	0..1	A reference number identifying the purchase conditions.	
Association		DespatchInformation	0..1	Information with regards to the despatching or shipping of goods.	BRAD RQ.09.234
Association		ConsignmentReference	0..1	Reference to details of consignment	WR 13-000192
Association	invoice	DocumentReference	0..1	A reference number identifying an invoice.	
Association	despatchAdvice	DocumentReference	0..1	A reference number identifying a despatch advice.	
Association	shipFrom	TransactionalParty	0..1	Identification of the location from where goods will be or have been shipped.	WR 13-000192
Association	deliveryNote	DocumentReference	0..1	Reference number assigned by the issuer to a delivery note.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Invoice Line Item.	
Attribute	parentLineItemNumber	positiveInteger	0..1	The number of line item containing information about the parent of the current item. It allows establishing hierarchical link between the two items.	WR 14-000021 WR 14-000044
Attribute	invoicedQuantity	Quantity	1..1	The quantity of items that is being charged for in the Invoice Line Item.	
Attribute	amountExclusiveAllowancesCharges	Amount	0..1	The sum of the line item amount. Excluding Invoice line charges and allowances. The line amount = quantity * Price.	



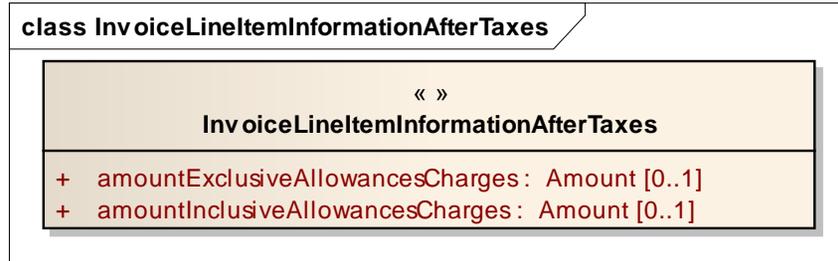
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	amountInclusiveAllowancesCharges	Amount	0..1	The sum of the line item amount. Including Invoice line charges and allowances. The line amount = quantity * Price + Charges – Allowances.	
Attribute	deliveredQuantity	Quantity	0..1	The actual quantity delivered.	
Attribute	creditLineIndicator	string	0..1	An indicator that allows users to interpret a standard invoice line as being a credit line.	
Attribute	creditReason	CreditReasonCode	0..1	Reason why the credit was issued.	
Attribute	excludedFromPaymentDiscountIndicator	boolean	0..1	Indicator specifying whether or not the Invoice Line Item is to be included in payment discount calculations.	BRAD RQ09-193
Attribute	itemPriceBaseQuantity	Quantity	0..1	The base quantity in which the item price is expressed. Example: Price per 100 units.	
Attribute	itemPriceExclusiveAllowancesCharges	Amount	0..1	The price stated is the gross price excluding all allowances, charges and taxes.	
Attribute	itemPriceInclusiveAllowancesCharges	Amount	0..1	The price stated is the net price including all allowances and charges and excluding taxes.	
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	WR 14-000110
Attribute	marginSchemeInformation	MarginSchemeCode	0..1	Code specifying a margin scheme.	WR 13-000194
Attribute	marginSchemeDescription	Description200	0..1	Descriptive information about a margin scheme. Should be used when text type information is required, instead of the MarginSchemeInformation.	
Attribute	transferOfOwnershipDate	date	0..1	The date on which the economic transfer of the goods took place. The tax authorities stipulate the specification of this date in invoices for goods and services.	
Attribute	additionalOrderLineInstruction	Description1000	0..1	Contains any additional order line instructions as they appeared in the original Order for this product.	



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	note	Description500	0..1	Free text used to convey information that is not processed by applications. Only meant to present the information to a user as on a screen, in a browser, etc.	BRAD RQ 09.236.F

## 4.4. Invoice Line Item Information After Taxes

### Class Diagram



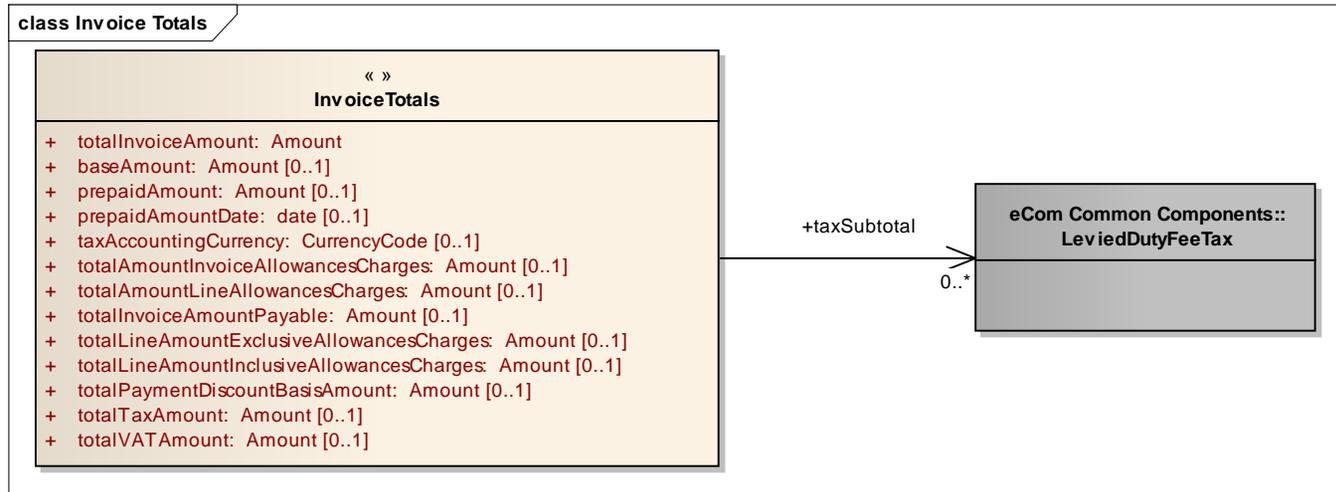
### GDD Report

The content of the InvoiceLineItemInformationAfterTaxes class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceLineItemInformationAfterTaxes](http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceLineItemInformationAfterTaxes)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InvoiceLineItemInformationAfterTaxes				Contains the invoice line amount including tax.	
Attribute	amountExclusiveAllowancesCharges	Amount	0..1	The amount excluding the allowances and/or charges.	
Attribute	amountInclusiveAllowancesCharges	Amount	0..1	The amount including the allowances and/or charges.	

## 4.5. Invoice Totals

### Class Diagram



### GDD Report

The content of the InvoiceTotals class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceTotals](http://apps.gs1.org/GDD/bms/Version3_2/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:InvoiceTotals)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InvoiceTotals				The specification of the prepaid amounts, or total monetary values due for the entire invoice.	
Association	taxSubtotal	LeviedDutyFeeTax	0..*	The Tax sub total specifies the total tax amounts for each tax rate.	
Attribute	totalInvoiceAmount	Amount	1..1	Total sum charged in respect of a single Invoice in accordance with the terms of delivery.	
Attribute	baseAmount	Amount	0..1	Value of the invoice that is subject to discount and / or penalties.	
Attribute	prepaidAmount	Amount	0..1	Amount which has been prepaid in advance.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	prepaidAmount Date	Date	0..1	Date on which the prepaid amount has been paid.	
Attribute	taxAccountingCurrency	CurrencyCode	0..1	The monetary unit used for tax calculation in an invoice.	
Attribute	totalAmountInvoiceAllowancesCharges	Amount	0..1	The amount specified is the total of all invoice charges/allowances.	
Attribute	totalAmountLineAllowancesCharges	Amount	0..1	The amount specified is the total of all invoice line charges/allowances.	
Attribute	totalInvoiceAmountPayable	Amount	0..1	Total amount including taxes (gross amount) that needs to be paid.	
Attribute	totalLineAmountExclusiveAllowancesCharges	Amount	0..1	The sum of all the line item amounts. Excluding Invoice line charges and allowances. The line amount = quantity * Price.	
Attribute	totalLineAmountInclusiveAllowancesCharges	Amount	0..1	The sum of all the line item amounts. Including Invoice line charges and allowances. The line amount = quantity * Price + Charges – Allowances.	
Attribute	totalPaymentDiscountBasisAmount	Amount	0..1	Amount that serves as the basis for calculating the payment discount.	BRAD RQ09-197
Attribute	totalTaxAmount	Amount	0..1	Total of all duty/tax/fee amounts.	
Attribute	totalVATAmount	Amount	0..1	VAT amount payable to the tax department calculating all rates together.	



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.2.0 and eCom Domain Common Library Business Message (BMS) Release 3.2.0 for all common information.

## 4.6. Code Lists

Class	Codelist	GDD Link
Invoice	CountryCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CountryCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CountryCode</a>
Invoice, InvoiceLineItem, InvoiceTotals	CreditReasonCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CreditReasonCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CreditReasonCode</a>
Invoice, InvoiceTotals	CurrencyCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CurrencyCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CurrencyCode</a>
Invoice	InvoiceTypeCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InvoiceTypeCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:InvoiceTypeCode</a>
InvoiceLineItem	DutyOrTaxOrFeeCategoryCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:DutyOrTaxOrFeeCategoryCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:DutyOrTaxOrFeeCategoryCode</a>

 **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 an Invoice message, requesting payment for the delivered goods.

#### Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

The invoice identification number is IN11-548 and the message was sent on April 12<sup>th</sup> 2011 at 10.20 AM. The goods were delivered on April 11<sup>th</sup> 2011, based on the Order # PO3352, placed on the 11<sup>th</sup> of March 2011 at 11.00 AM.

The Invoice is sent by the Seller (GLN 4098765000010) to the Buyer (GLN 5412345000013).

The invoice consists of 2 Items 40987650000223 and 40987650000346. Both are subject to 19% VAT.

#### Message Example 1

Attribute	Value
<b>Invoice</b>	
invoiceTypeCode	INVOICE
invoiceCurrencyCode	EUR
<b>Document</b>	
creationDateTime	2011-04-12 10:15

Attribute	Value
documentStatusCode	ORIGINAL
<b>EntityIdentification (+invoiceIdentification)</b>	
entityIdentification	IN11-548
<b>PartyIdentification (+contentOwner)</b>	
gln	4098765000010
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010
<b>InvoiceTotals (+invoiceTotals)</b>	
totalInvoiceAmount	999.6 EUR
totalAmountInvoiceAllowancesCharges	0 EUR
totalLineAmountInclusiveAllowancesCharges	999.6 EUR
totalTaxAmount	159.6 EUR
<b>LeviedDutyFeeTax (+ taxSubTotal)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	159.6 EUR
dutyFeeTaxBasisAmount	840 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX
<b>DocumentReference (+purchaseOrder)</b>	
creationDateTime	2011-03-11 11:00
entityIdentification	PO3352
<b>InvoiceLineItem *1</b>	
lineItemNumber	1
invoicedQuantity	48
amountInclusiveAllowancesCharges	480 EUR
itemPriceInclusiveAllowancesCharges	10 EUR
transferOfOwnershipDate	2011-04-11
<b>LeviedDutyFeeTax (+ invoiceLineTaxInformation)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	91.2 EUR
dutyFeeTaxBasisAmount	480 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX
<b>TransactionalTradeItem</b>	
gtin	40987650000223

Attribute	Value
<b>invoiceLineItemInformationAfterTaxes</b>	
amountInclusiveAllowancesCharges	571.2
<b>DocumentReference (+purchaseOrder)</b>	
creationDateTime	2011-03-11 11:0091.2
entityIdentification	PO3352
lineItemNumber	1
<b>InvoiceLineItem *2</b>	
lineItemNumber	2
invoicedQuantity	24
amountInclusiveAllowancesCharges	360 EUR
itemPriceInclusiveAllowancesCharges	15 EUR
transferOfOwnershipDate	2011-04-11
<b>LeviedDutyFeeTax (+ invoiceLineTaxInformation)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	68.4 EUR
dutyFeeTaxBasisAmount	360 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX
<b>TransactionalTradeItem</b>	
gtin	40987650000346
<b>invoiceLineItemInformationAfterTaxes</b>	
amountInclusiveAllowancesCharges	428.4
<b>DocumentReference (+purchaseOrder)</b>	
creationDateTime	2011-03-11 11:00
entityIdentification	
lineItemNumber	2
<b>InvoiceTotals</b>	
totalInvoiceAmount	999.6 EUR
totalAmountInvoiceAllowancesCharges	0 EUR
totalLineAmountInclusiveAllowancesCharges	999.6 EUR
totalTaxAmount	159.6 EUR
<b>LeviedDutyFeeTax (+ taxSubTotal)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	159.6 EUR
dutyFeeTaxBasisAmount	840 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX

## 5.2. Example 2

### Invoice Credit Note

This is an example of an Invoice message used as a Credit Note.

#### Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

The Invoice (Credit Note) identification number is CN11-038 and the message was sent on April 15<sup>th</sup> 2011 at 10.20 AM. The goods were delivered on April 11<sup>th</sup> 2011, based on the Order # PO3352, placed on the 11<sup>th</sup> of March 2011 at 11.00 AM.

The credit note is sent by the Seller (GLN 4098765000010) to the Buyer (5412345000013).

The Credit Note refers the Receiving Advice RA20051 created on April 13 2011.

The Credit Note refers to Invoice IN11-548 created on April 12 2011.

The reason why the credit note has been raised is that part of the goods delivered were damaged. This was announced in the Receiving Advice.

#### Message Example 2

Attribute	Value
<b>Invoice</b>	
invoiceType	CREDIT_NOTE
invoiceCurrencyCode	EUR
creditReasonCode	DAMAGED_GOODS
<b>Document</b>	
creationDateTime	2011-04-15 10:20
documentStatusCode	ORIGINAL
<b>EntityIdentification (+invoiceIdentification)</b>	
entityIdentification	CN11-038
<b>PartyIdentification (+contentOwner)</b>	
gln	4098765000010
<b>TransactionalParty (+buyer)</b>	
gln	8812345678903
<b>TransactionalParty (+seller)</b>	
gln	4098765000010
<b>DocumentReference (+purchaseOrder)</b>	
creationDateTime	2011-03-11 11:00
entityIdentification	PO3352
<b>DocumentReference (+invoice)</b>	
creationDateTime	2011-04-12 10:15

Attribute	Value
entityIdentification	IN11-548
<b>InvoiceTotals (+invoiceTotals)</b>	
totalInvoiceAmount	999.6 EUR
totalAmountInvoiceAllowancesCharges	0 EUR
totalLineAmountInclusiveAllowancesCharges	999.6 EUR
totalTaxAmount	159.6 EUR
<b>LeviedDutyFeeTax (+ taxSubTotal)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	159.6 EUR
<b>InvoiceLineItem</b>	
lineItemNumber	1
invoicedQuantity	10
amountInclusiveAllowancesCharges	100 EUR
itemPriceInclusiveAllowancesCharges	10 EUR
deliveredQuantity	10
creditLineIndicator	Credit
creditReason	DAMAGED_GOOD
transferOfOwnershipDate	2011-04-11
<b>LeviedDutyFeeTax (+ invoiceLineTaxInformation)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	19 EUR
dutyFeeTaxBasisAmount	100 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX
<b>TransactionalTradeItem</b>	
gtin	40987650000223
<b>DocumentReference (+invoice)</b>	
entityIdentification	IN11-548
creationDateTime	2011-04-12 10:15
lineItemNumber	1
<b>DocumentReference (+receivingAdvice)</b>	
entityIdentification	RA20051
creationDateTime	2011-04-13 11:45
lineItemNumber	1
<b>InvoiceTotals</b>	
totalInvoiceAmount	119 EUR

Attribute	Value
totalAmountInvoiceAllowancesCharges	0 EUR
totalLineAmountInclusiveAllowancesCharges	100 EUR
totalVATAmount	19 EUR
<b>LeviedDutyFeeTax (+ taxSubTotal)</b>	
dutyFeeTaxCategoryCode	STANDARD_RATE
dutyFeeTaxAmount	19 EUR
dutyFeeTaxBasisAmount	100 EUR
dutyFeeTaxPercentage	19.00
dutyFeeTaxTypeCode	VALUE_ADDED_TAX

## 6. Implementation Considerations

### 6.1. User Guide

The Functional User Guide contains more information about the structure and content of the Invoice message: [http://www.gs1.org/docs/ecom/xml/3/3.2/eCom-Trade\\_messages.html#Invoice](http://www.gs1.org/docs/ecom/xml/3/3.2/eCom-Trade_messages.html#Invoice)

### 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	Version	Associated CR Number
For BMS Release 3.0.0: Updated to reflect changes in modelling methodology.	Issue 1.0.0	Not Applicable

## 7.2. BMS Release 3.1

Change	Version	Associated CR Number
<p><b>class InvoiceLineItem - maintenance view</b></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">« » <b>InvoiceLineItem</b></p> <ul style="list-style-type: none"> <li>+ lineItemNumber: positiveInteger</li> <li>+ invoicedQuantity: Quantity</li> <li>+ amountExclusiveAllowancesCharges: Amount [0..1]</li> <li>+ amountInclusiveAllowancesCharges: Amount [0..1]</li> <li>+ deliveredQuantity: Quantity [0..1]</li> <li>+ creditLineIndicator: string [0..1] = {1..70}</li> <li>+ creditReason: CreditReasonCode [0..1]</li> <li>+ excludedFromPaymentDiscountIndicator: boolean [0..1]</li> <li>+ itemPriceBaseQuantity: Quantity [0..1]</li> <li>+ itemPriceExclusiveAllowancesCharges: Amount [0..1]</li> <li>+ itemPriceInclusiveAllowancesCharges: Amount [0..1]</li> <li>+ transferOfOwnershipDate: date [0..1]</li> <li>+ additionalOrderLineInstruction: Description1000 [0..1]</li> <li>+ note: Description500 [0..1]</li> </ul> <p style="text-align: center;"><b>maintenance</b></p> <p>Change: (Verified) 3.1 added +shipTo (WR 09-249)</p> </div>	Issue 1	WR 09-249

## 7.3. BMS Release 3.2

Change	Associated WR
<p>Added Attribute Value Pair at the root, line item and sub line item levels</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p><b>class Invoice - maintenance view</b></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">«root, » <b>Invoice</b></p> <ul style="list-style-type: none"> <li>+ invoiceType :InvoiceTypeCode</li> <li>+ invoiceCurrencyCode :CurrencyCode</li> <li>+ creditReasonCode :CreditReasonCode [0..1]</li> <li>+ countryOfSupplyOfGoods :CountryCode [0..1]</li> <li>+ supplierAccountReceivable :string [0..1] = {1..70}</li> <li>+ note :Description500 [0..1]</li> </ul> <p style="text-align: center;"><b>maintenance</b></p> <p>Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)</p> </div> </div>	14-000110

Change	Associated WR
<ul style="list-style-type: none"> <li>■ Added to InvoiceLineItem: (WR 13-192)                             <ul style="list-style-type: none"> <li>□ References to the relevant GS1 logistics messages, such as Transport Instruction, Warehouse Outbound Instruction: LogisticServiceTypeReference class</li> <li>□ Reference to basic Consignment details such as GINC, Consignor and Consignee: ConsignmentReference class</li> <li>□ Reference to basic Shipment details including GSIN, Shipper and Receiver: ShipmentReference class</li> <li>□ Ship From location</li> <li>□ Inventory Location To and From</li> </ul> </li> <li>■ Added marginSchemeInformation based on MarginSchemeCode and marginSchemeDescription (WR 13-194)</li> <li>■ Added a reference to parent line number to all LineItem classes, to support hierarchical items (WRs 14-021 &amp; 14-044)</li> <li>■ Added Attribute Value Pair at the root, line item and sub line item levels (WR 14-110)</li> </ul>	13-000192 13-000194 14-000021 14-000044 14-000110
<div style="border: 1px solid black; padding: 5px;"> <p><b>class InvoiceLineItem - maintenance view</b></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">« » InvoiceLineItem</p> <pre> + lineItemNumber :positiveInteger + parentLineItemNumber :positiveInteger [0..1] + invoicedQuantity :Quantity + amountExclusiveAllowancesCharges :Amount [0..1] + amountInclusiveAllowancesCharges :Amount [0..1] + deliveredQuantity :Quantity [0..1] + creditLineIndicator :string [0..1] = {1..70} + creditReason :CreditReasonCode [0..1] + excludedFromPaymentDiscountIndicator :boolean [0..1] + itemPriceBaseQuantity :Quantity [0..1] + itemPriceExclusiveAllowancesCharges :Amount [0..1] + itemPriceInclusiveAllowancesCharges :Amount [0..1] + marginSchemeInformation :MarginSchemeCode [0..1] + marginSchemeDescription :Description200 [0..1] + transferOfOwnershipDate :date [0..1] + additionalOrderLineInstruction :Description1000 [0..1] + note :Description500 [0..1] + «association» avpList :Ecom_AttributeValuePairList [0..1]                     </pre> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Complete) 3.1 added association to TransactionalParty named shipTo (WR 09-249)                      Change: (Verified) 3.2 added +avpList (WR 14-110)                      Change: (Verified) 3.2 added +marginSchemeDescription (WR 13-194)                      Change: (Verified) 3.2 added +marginSchemeInformation (WR 13-194)                      Change: (Verified) 3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)                      Change: (Verified) 3.2 added association to ConsignmentReference (WR 13-192)                      Change: (Verified) 3.2 added association to LogisticServiceTypeReference class (WR 13-192)                      Change: (Verified) 3.2 added association to ShipmentReference class (WR 13-192)                      Change: (Verified) 3.2 added association to TransactionalParty named inventoryLocationFrom (WR 13-192)                      Change: (Verified) 3.2 added association to TransactionalParty named inventoryLocationTo (WR 13-192)                      Change: (Verified) 3.2 added association to TransactionalParty named shipFrom (WR 13-192)</p> </div> </div>	

## 8. Appendices

Not applicable

## 9. Acknowledgements

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

### 9.1.1. Work Group

Function	Name	Company / organisation
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Co-chair	Schmidt, Tom Eric	August Storck KG
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Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
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## 9.1.2. Development Team Members

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