



# papiNet

**Global Transaction Standards  
for the Paper Supply Chain**

**Invoice Documentation**

**Papinet Standard - Version 2.10**

**April 2003**

# Invoice Documentation - papiNet Standard - Version 2.10

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## Message Documentation

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### The Invoice Message

#### An Overview of the Invoice Message

A seller sends an invoice message to a buyer after delivering the product(s) specified in a purchase order. The invoice is a list of the goods shipped and their quantities, or services rendered, which usually indicates the prices and terms of sale, supplemental charges, allowances, and communicates the payment required for the delivery of the identified items.

There are a variety of invoice types designed to fulfil different payment or documentation requirements. Sellers can use invoices described in this standard to claim payment for goods supplied (a "regular" invoice), resend an invoice that the buyer misplaced or never received, request payment in advance of delivery, or provide information (usually to a third-party) without claiming payment.

#### The Scope of Invoice Message

The invoice message can include:

- Details drawn from the purchase order and delivery message
- Seller's general operating procedures, bank account information, and payment terms
- Specific contractual information
- Details, such as general ledger distribution information, provided as a service to the buyer
- Taxes (the seller creates an additional invoice if tax is to be paid to a different party than the remit-to party)
- Information to support custom requirements, though there may be custom duty requirements that are not supported by the invoice message

An invoice message assumes that a previous agreement between buyer and seller has taken place. Because it does not contain the contractual, legal, and other conditions of that agreement, which may be too lengthy to communicate on a transaction-by-transaction basis, the invoice message is not a legal document.

Notes:

- With the exception of contractual agreements, the seller assumes no previous alignment of data when generating an invoice.
- An invoice does not specify products; instead, it refers to the purchase order and delivery message.

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## Invoice Message Types

There are four types of invoice<sup>1</sup> message covered in this standard:

- Regular invoice
  - ✧ When we use the term "invoice" in this document, this is the type of invoice that we are referring to.
  - ✧ Claims payment for goods supplied under conditions agreed to between seller and buyer
  - ✧ Communicates payment terms, payment method, and the payment amount for one or more deliveries
- Duplicate invoice
  - ✧ Sent by the seller based upon a request from the originally intended receiver of the invoice. If the original invoice message is located after the seller sends a duplicate, the receiver can decide whether to process the original or the duplicate message.
  - ✧ Indicates that the invoice was sent on a previous date
- Prepayment invoice
  - ✧ Claims payment for goods in advance of delivery
  - ✧ The seller will subtract the payment requested in a prepayment invoice from the final invoice.
- Pro-forma invoice
  - ✧ Serves as a preliminary invoice
  - ✧ Includes the same information as the final invoice but does not claim payment
  - ✧ Typically used in a cross-border or export/import shipment for customs purposes
  - ✧ Can travel with the product or be sent to a broker

Types of invoices not covered in this standard include:

- Delcredere – An invoice sent to the party paying for a number of buyers
- Factored – An invoice assigned to a third party for collection
- Service – An invoice that covers services (note that this message has not been reviewed for complete management of a service environment)

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<sup>1</sup> Invoice formulation has been checked against the EU Directive of November 17, 2000 regarding the electronic invoice, the 650-2000 Proposal. It's a "Proposal for a Council Directive amending Directive 77/388/EEC with a view to simplifying, modernizing, and harmonizing the conditions laid down for invoicing in respect of value added tax".

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## Invoice Business Rules

### General Invoice Business Rules

The following table lists the business rules that apply to all invoice message types. Rules that apply to a single invoice message type are described in separate tables.

Reference	Rule
INV001	Invoice corrections are handled by the seller using the papiNet CreditDebitNote.
INV002	Invoice cancellations are handled using the papiNet CreditDebitNote.
INV003	An Invoice message can refer to one or more customer purchase orders.  Note: Some buying parties will require that an Invoice refer to a single order. This is an implementation decision fully supported by the message structure.
INV004	An Invoice message can refer to one or more PurchaseOrderLineItem(s). Note: Some buying parties will require that an Invoice refer to a single order line item. This is an implementation decision fully supported by the message structure.
INV005	An Invoice message can refer to zero or more deliveries. An Invoice that does not refer to a delivery is typically a pro-forma or pre-payment invoice.  Note: Some buying parties will require that an Invoice refer to a single delivery. This is an implementation decision that is fully supported by the message structure.
INV006	An Invoice message can refer to one or many ship-to parties. Note: Some buying parties will require that an Invoice refer to a single ship-to party. This is an implementation decision fully supported by the message structure.
INV007	An Invoice can originate either from the mill party or from the seller party. The business flow is the same in both cases.

### Business Rules for Regular Invoice

For a regular invoice message, the following rules apply in addition to the general rules:

Reference	Rule
INV008	The seller handles adjustments to a grouping of invoice lines using the Summary portion of the invoice with multiple total quantities.

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Reference	Rule
INV009	The InvoiceHeader includes TermsOfPayment. When there are multiple payment terms for the goods being invoiced, the seller needs to generate multiple invoices.
INV010	An Invoice may refer to one or more orders, order line items, deliveries, or call-off messages.
INV011	An Invoice for cross-border or export/import transactions may contain additional information for customs or statistical services.
INV012	An Invoice may contain transport details.

### Business Rules for Duplicate Invoice

For a duplicate invoice message, the following rule applies in addition to the general rules:

Reference	Rule
INV013	A duplicate invoice introduces no new information. If the buyer finds the original copy of the invoice and processes it instead of the duplicate invoice, no confusion will result.

### Business Rules for Pre-Payment Invoice

For a pre-payment invoice message, the following rule applies in addition to the general rules:

Reference	Rule
INV014	The seller handles adjustments to a grouping of invoice lines using the Summary portion of the invoice with multiple total quantities.

### Business Rules for Pro-Forma Invoice

For a pro-forma invoice message, the following rule applies in addition to the general rules:

Reference	Rule
INV015	The seller handles adjustments to a grouping of invoice lines using the Summary portion of the invoice with multiple total quantities.
INV016	An Invoice for cross-border or export/import transactions may contain additional information for customs or statistical services.

### Processing the Invoice Message

Message processing depends on the message type and on the value(s) in status field(s) at the message, header, and line item levels. For the invoice

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message, all message types are processed in the same way. In addition, there are no status fields in the invoice message.

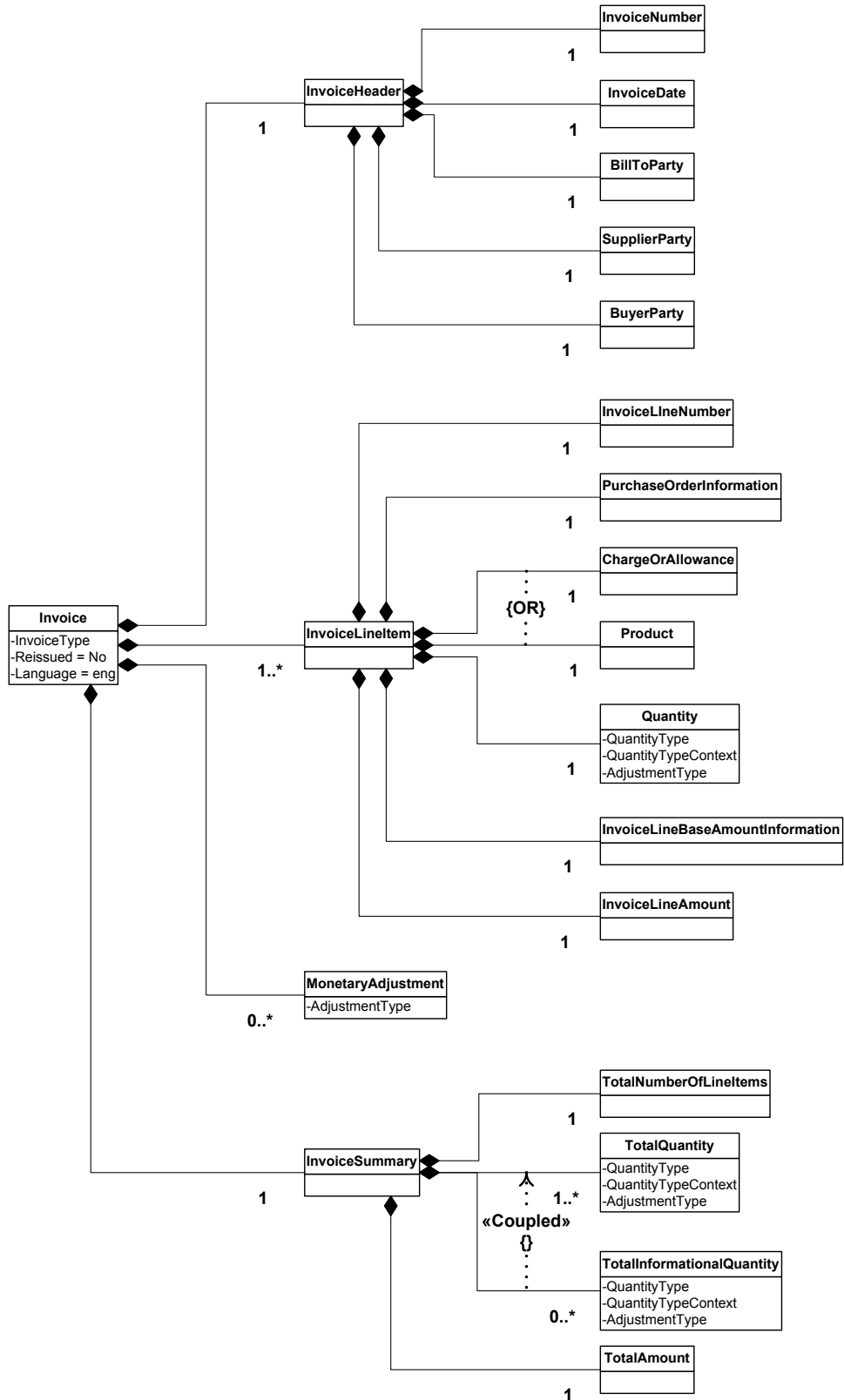
### **Status Values Used When Processing the Invoice Message**

No special status values are used to communicate acceptance of the invoice message. No amendment of the invoice message is permitted. All changes are currently completed through the papiNet CreditDebitNote message.

The seller is responsible for ensuring that the combination of InvoiceNumber and InvoiceLineNumber are unique and refer to the same BuyerParty and Product throughout the life of the invoice. The buyer may reject a message that includes a previously received combination of InvoiceNumber and InvoiceLineNumber. The buyer communicates that rejection to the seller via an agreed-to process. If no process is specified, the buyer uses phone or email.

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## High-level UML Diagram of Invoice Message



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## Overview of Invoice Structure

		Type	Required	Occurrence
Invoice		Root		
	@InvoiceType	Attribute	<b>Required</b>	Single
	@Reissued	Attribute	Optional	Single
	@Language	Attribute	Optional	Single
	InvoiceHeader	Element	<b>Required</b>	Single
	InvoiceNumber	Element	<b>Required</b>	Single
	InvoiceDate	Element	<b>Required</b>	Single
	InvoiceReference	Element	Optional	Multiple
	BillToParty	Element	<b>Required</b>	Single
	SupplierParty	Element	<b>Required</b>	Single
	BuyerParty	Element	<b>Required</b>	Single
	RemitToParty	Element	Optional	Single
	ShipToCharacteristics	Element	<b>Required</b>	Single
	OtherParty	Element	Optional	Multiple
	SenderParty	Element	Optional	Single
	ReceiverParty	Element	Optional	Multiple
	CountryOfOrigin	Element	Optional	Single
	AdditionalText	Element	Optional	Multiple
	InvoiceLineItem	Element	<b>Required</b>	Multiple
	InvoiceLineNumber	Element	<b>Required</b>	Single
	PurchaseOrderInformation	Element	<b>Required</b>	Single
	PurchaseOrderLineItemNumber	Element	Optional	Single
OR	ChargeOrAllowance Product	Element	<b>Required</b>	Single
	Quantity	Element	<b>Required</b>	Single
	InformationalQuantity	Element	Optional	Multiple
	InvoiceLineBaseAmountInformation	Element	<b>Required</b>	Single
	MonetaryAdjustment	Element	Optional	Multiple
	InvoiceLineAmount	Element	<b>Required</b>	Single
	InvoiceDeliveryInformation	Element	Optional	Multiple
	InvoiceReference	Element	Optional	Multiple
	GeneralLedgerAccount	Element	Optional	Single
	AdditionalText	Element	Optional	Multiple
	ShipToCharacteristics	Element	Optional	Single
	MillCharacteristics	Element	Optional	Single
	TransportModeCharacteristics	Element	Optional	Single
	MonetaryAdjustment	Element	Optional	Multiple
	InvoiceSummary	Element	Required	Single
	TotalNumberOfLineItems	Element	Optional	Single
	TotalQuantity	Element	<b>Required</b>	Multiple
	TotalInformationalQuantity	Element	Optional	Multiple
	LineItemSubTotal	Element	Optional	Single
	TotalAdjustments	Element	Optional	Single
	TotalTaxAmount	Element	Optional	Single
	TotalNetAmount	Element	Optional	Single
	TotalAmount	Element	<b>Required</b>	Single
	InformationalAmount	Element	Optional	Multiple
	TermsOfPayment	Element	Optional	Multiple
	TotalNetOfTermsDiscount	Element	Optional	Multiple
	AdditionalText	Element	Optional	Multiple
	TermsAndDisclaimers	Element	Optional	Single

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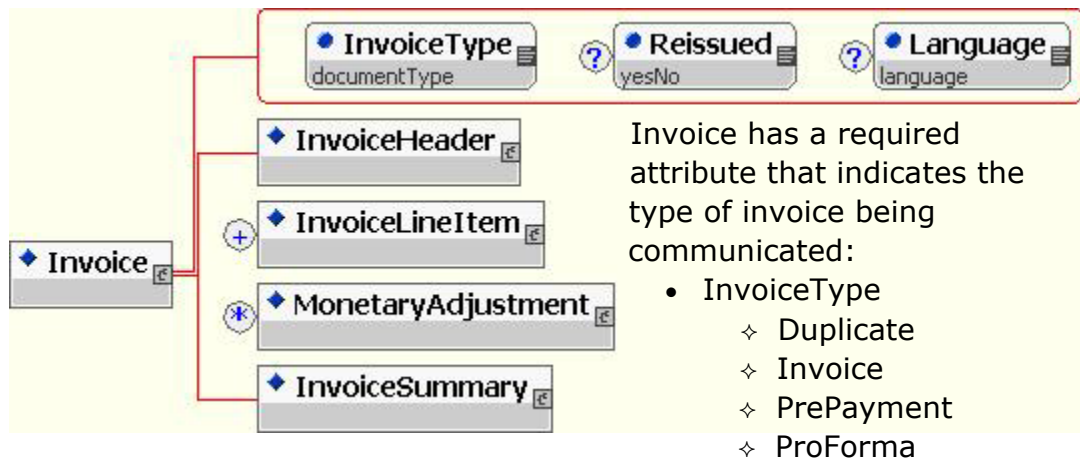
## Invoice Schema Structure and Processing Logic

This section provides a detailed graphical view of the Invoice Schema structure; the Invoice root element, the InvoiceHeader, the InvoiceLineItem, MonetaryAdjustment, and the InvoiceSummary. Discussions of the subordinates to Invoice can be found in the Glossary document and a review of the data-types can be found in the Design document (available at [www.papiNet.org](http://www.papiNet.org)). This section also contains a review of the processing logic that is special to the Invoice message.

The graphical display of the Schema contains occurrence indicators and data type information. These indicators appear to the left of the boxes in the schema graphic and they have the following meanings:

- (Blank) Required, single instance
- (+) Required, multiple instances
- (?) Optional, single instance
- (\*) Optional, multiple instances

### Invoice Root



Invoice has a required attribute that indicates whether the document is an original or a copy. When this attribute is omitted the document is not a copy – it is an original.

- Reissued

An attribute to communicate the Language

- Language, optional defaults to “eng” (English)
  - ◇ Indicates the language for the content of the message.

The Invoice also contains the following elements:

- [InvoiceHeader](#)
- [InvoiceLineItem](#)
- [InvoiceSummary](#)

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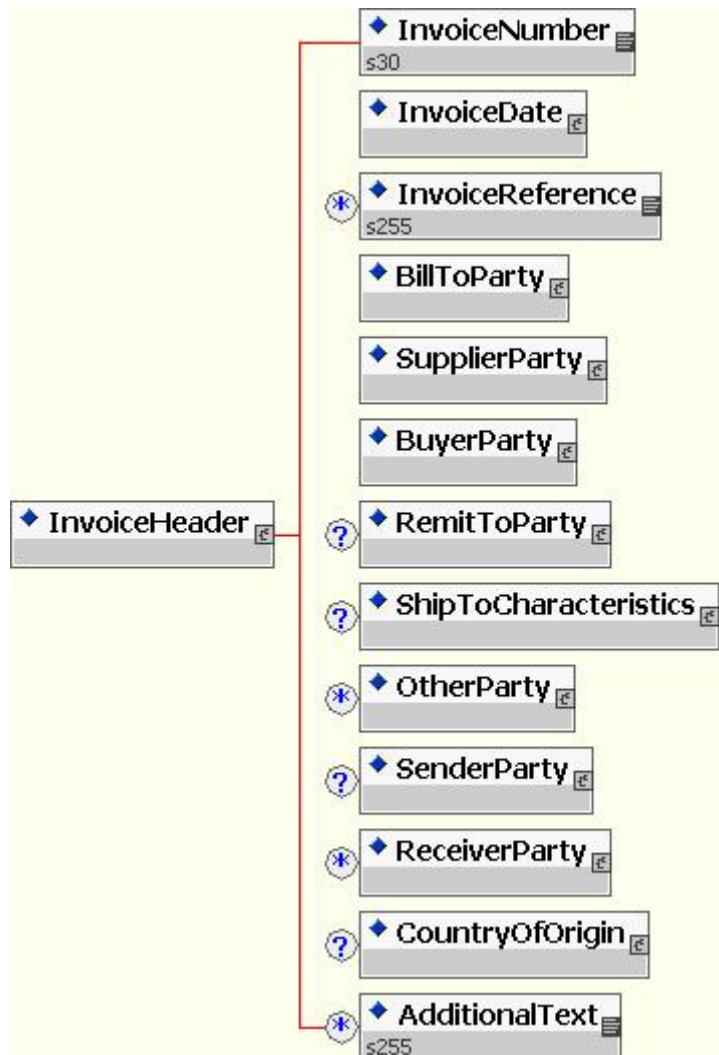
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## InvoiceHeader

A single InvoiceHeader is required.

The InvoiceHeader contains the following elements:

- [InvoiceNumber](#)
- [InvoiceDate](#)
- [InvoiceReference](#)
- [BillToParty](#)
- [SupplierParty](#)
- [BuyerParty](#)
- [RemitToParty](#)
- [ShipToCharacteristics](#)
- [OtherParty](#)
- [SenderParty](#)
- [ReceiverParty](#)
- [CountryOfOrigin](#)
- [AdditionalText](#)



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## InvoiceLineItem

Multiple InvoiceLineItem instances are allowed; at least one is required.

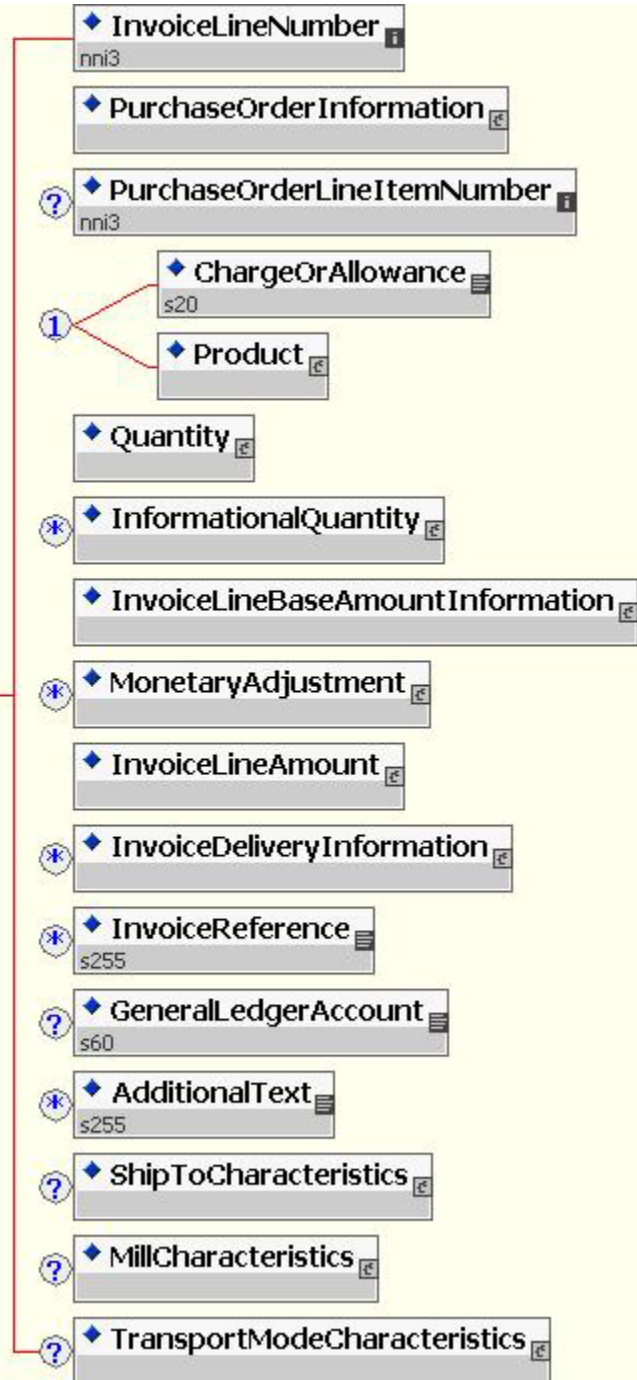
- [InvoiceLineNumber](#)
- [PurchaseOrderInformation](#)
- [PurchaseOrder-LineItemNumber](#)

A choice of either

- [ChargeOrAllowance](#) or [Product](#)
- [Quantity](#)
- [InformationalQuantity](#)
- [InvoiceLine-BaseAmountInformation](#)
- [MonetaryAdjustment](#)



- [InvoiceLineAmount](#)
- [InvoiceDeliveryInformation](#)
- [InvoiceReference](#)
- [GeneralLedgerAccount](#)
- [AdditionalText](#)
- [ShipToCharacteristics](#)
- [MillCharacteristics](#)
- [TransportMode-Characteristics](#)



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## MonetaryAdjustment

The element containing the information necessary for the understanding, calculation, and treatment of an adjustment to a currency amount.

MonetaryAdjustment contains an attribute that indicates the type of adjustment being communicated:

- [AdjustmentType](#)

MonetaryAdjustment contains the following elements:



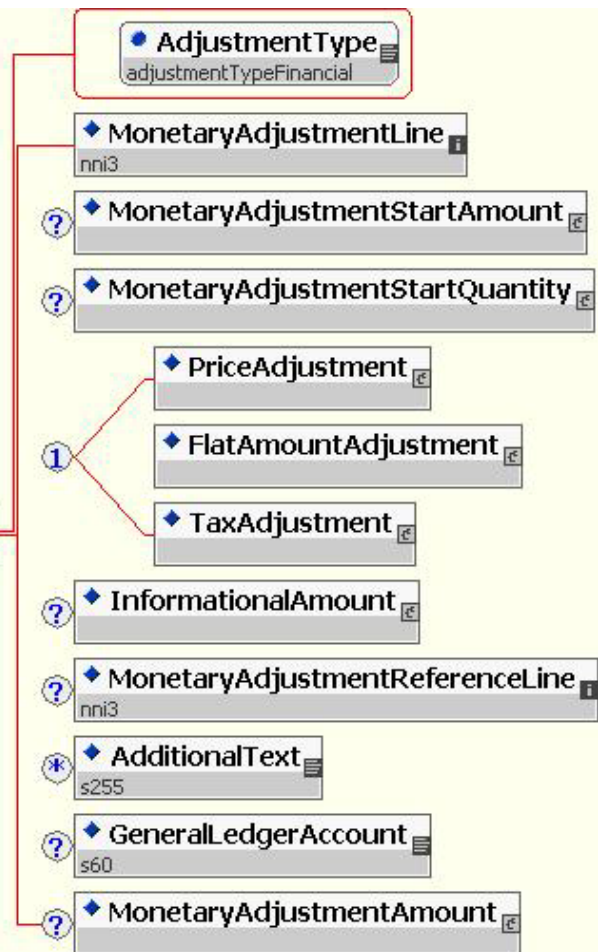
- [MonetaryAdjustmentLine](#)
- [MonetaryAdjustmentStartAmount](#)
- [MonetaryAdjustmentStartQuantity](#)

A choice of one of the following:

- [PriceAdjustment](#)
- [FlatAmountAdjustment](#)
- [TaxAdjustment](#)

And then the following elements:

- [InformationalAmount](#)
- [MonetaryAdjustmentReferenceLine](#)
- [AdditionalText](#)
- [GeneralLedgerAccount](#)
- [MonetaryAdjustmentAmount](#)



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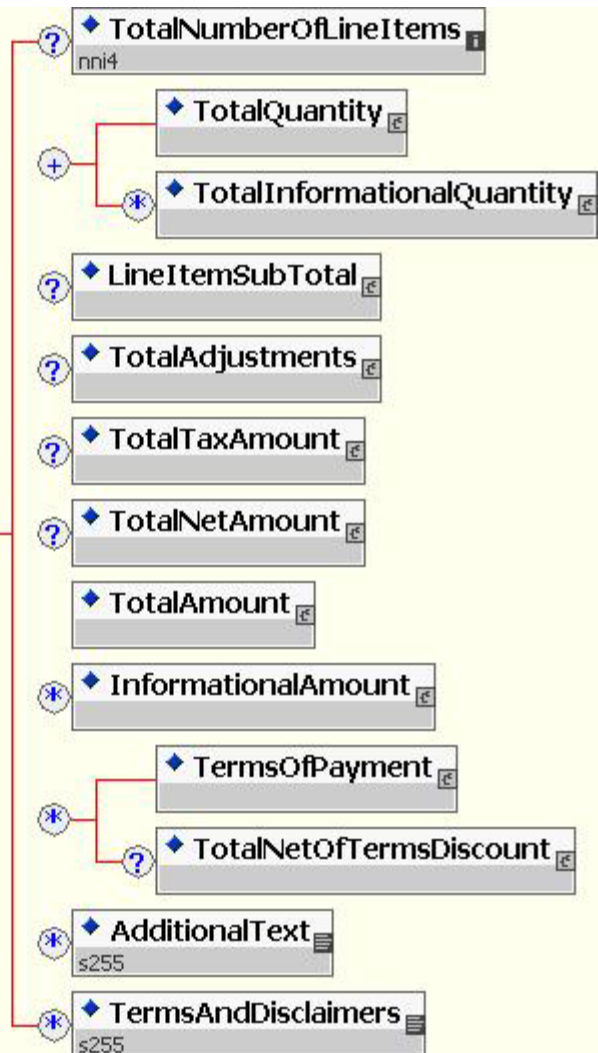
## InvoiceSummary

A single InvoiceSummary is required.

- [TotalNumberOfLineItems](#)
- [TotalQuantity](#)
- [TotalInformationalQuantity](#)
- [LineItemSubTotal](#)
- [TotalAdjustments](#)
- [TotalTaxAmount](#)
- [TotalNetAmount](#)
- [TotalAmount](#)
- [InformationalAmount](#)
- [TermsOfPayment](#)



- [TotalNetOfTermsDiscount](#)
- [AdditionalText](#)
- [TermsAndDisclaimers](#)



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## Common Definition References - Element

### AdditionalText

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements. This element is repeatable and limited to the number of characters that would normally fit across a page.

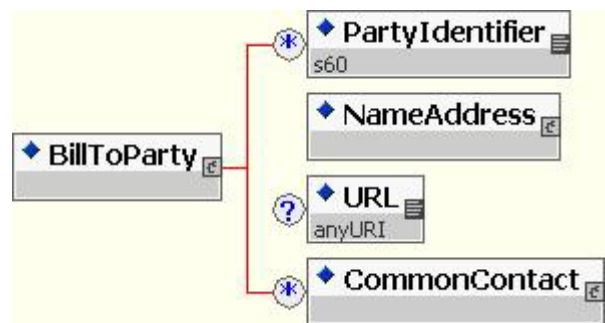


### BillToParty

The organisation or legal entity to which the invoice is to be sent. See [Party](#) for structure.

BuyerParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



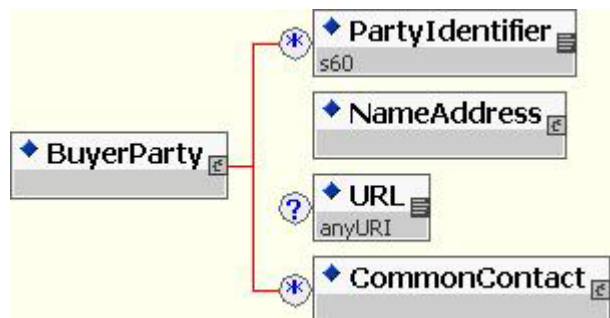
Refer to [Party](#) for additional information

### BuyerParty

The organisation or legal entity authorised to issue the purchase order. See [Party](#) for structure.

BuyerParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



Refer to [Party](#) for additional information

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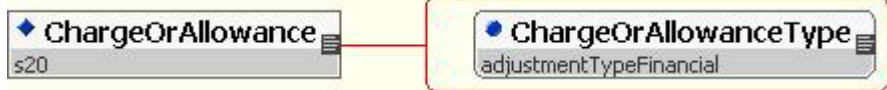
## ChargeOrAllowance

The description of the charge or allowance;

such as freight, special handling, and stop-off handling.

ChargeOrAllowance contains the following optional attribute:

- [ChargeOrAllowanceType](#)



## CountryOfOrigin

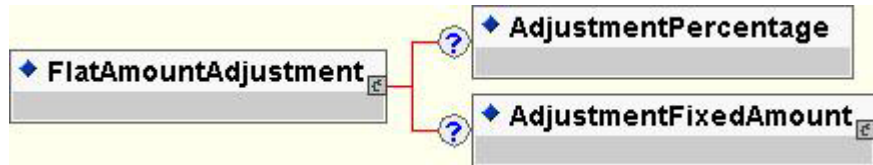
The country of origin for the material on the invoice



CountryOfOrigin encapsulates the [Country](#) element.

## FlatAmountAdjustment

A group item that contains flat adjustment amount information.



FlatAmountAdjustment contains the following elements:

- [AdjustmentPercentage](#)
- [AdjustmentFixedAmount](#)

## GeneralLedgerAccount

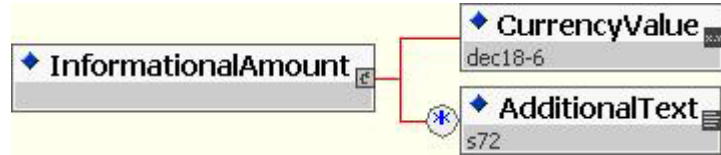
The general ledger account to be referenced for the item.



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## InformationalAmount

A monetary amount used for information purposes only (not for calculation). For example, the invoice price adjustment subtotal is expressed in sterling pounds, and the buyer wants this information expressed in U.S. dollars.

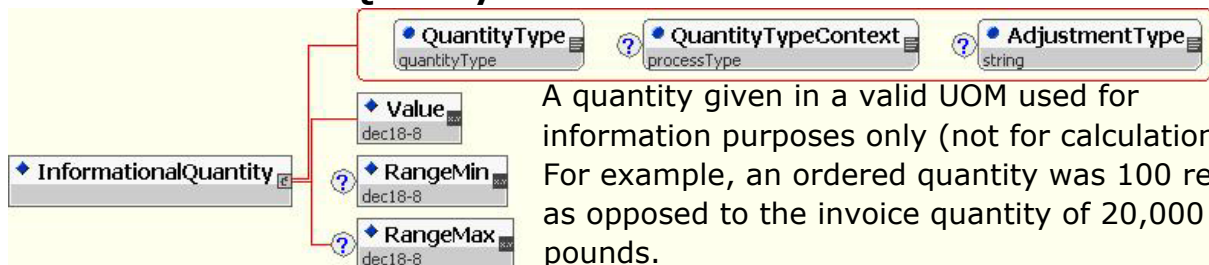


InformationalAmount contains the elements:

- [CurrencyValue](#)
- [AdditionalText](#)

**Invoice** - The TaxAmount is displayed in the currency that is applicable throughout the invoice. When a TaxAmount needs to be displayed in a different national currency, this field is used.

## InformationalQuantity



A quantity given in a valid UOM used for information purposes only (not for calculation). For example, an ordered quantity was 100 reels as opposed to the invoice quantity of 20,000 pounds.

InformationalQuantity contains the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

And the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

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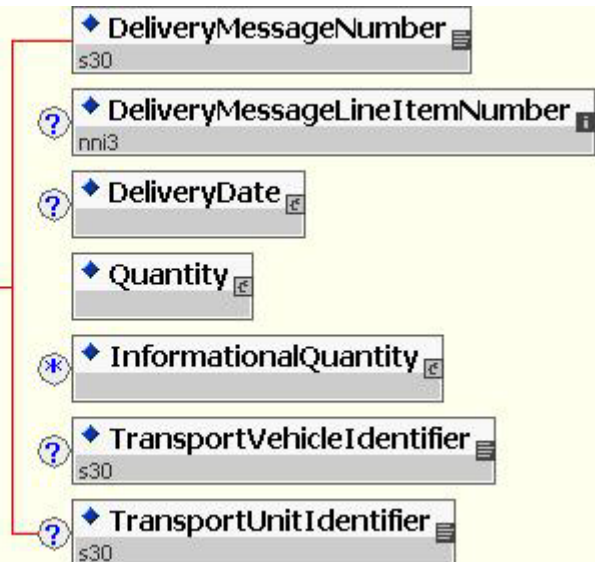
## InvoiceDeliveryInformation

A group item that contains delivery information for invoice purposes. The delivery information that is contained will be similar to that on the DeliveryMessage.



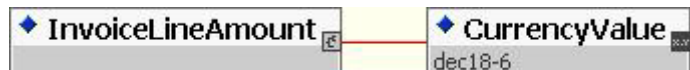
InvoiceDeliveryInformation contains the following elements.

- [DeliveryMessageNumber](#)
- [DeliveryMessage-LineItemNumber](#)
- [DeliveryDate](#)
- [Quantity](#)
- [InformationalQuantity](#)
- [TransportVehicleIdentifier](#)
- [TransportUnitIdentifier](#)



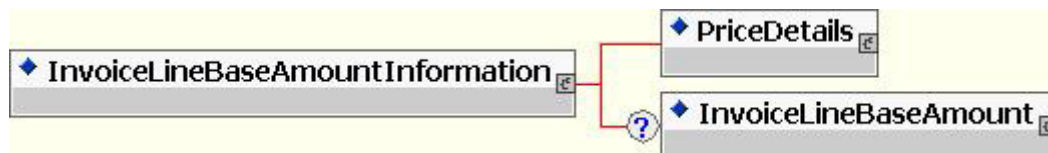
## InvoiceLineAmount

The total invoice amount per line (includes adjustments and tax). InvoiceLineAmount encapsulates [CurrencyValue](#).



InvoiceLineAmount is equal to the InvoiceLineBaseAmount plus the sum of the signed values of the MonetaryAdjustmentAmount for all instances of MonetaryAdjustment.

## InvoiceLineBaseAmountInformation



A group item containing the price per unit and the invoice price amount subtotal. InvoiceLineBaseAmountInformation contains the following elements:

- [PriceDetails](#)
- [InvoiceLineBaseAmount](#)

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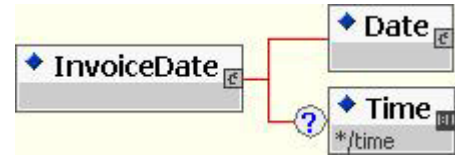
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## InvoiceDate

The date the invoice is issued by the supplier. This date often drives payment terms.

InvoiceDate contains the following elements:

- [Date](#)
- [Time](#)



## InvoiceLineNumber

The sequential number that uniquely identifies the invoice line item. It may enable the invoice to be printed, viewed, or discussed in a common order.



## InvoiceNumber

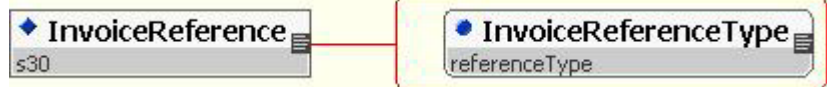
The identification number of the invoice, generated by the seller.



## InvoiceReference

A group item detailing relevant references

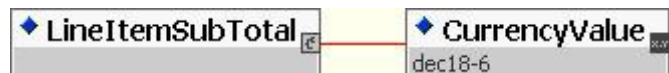
pertaining to the invoice message. [InvoiceReferenceType](#) describes the content.



## LineItemSubTotal

The total amount of all InvoiceLineBaseAmount(s) line items without any monetary adjustments that may occur after the invoice lines.

LineItemSubTotal encapsulates the [CurrencyValue](#) element.



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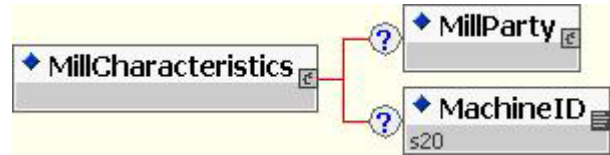
---

## MillCharacteristics

A group item defining the mill location and machine ID of a product.

MillCharacteristics contains the following elements.

- [MillParty](#)
- [MachineID](#)



## MonetaryAdjustmentAmount

The actual amount of the monetary adjustment.



MonetaryAdjustmentAmount encapsulates the [CurrencyValue](#) attribute.

## MonetaryAdjustmentLine

A sequence number indicating the order of printing or the sequence in which a group of adjustments are to be considered.



## MonetaryAdjustmentReferenceLine

A link to a previously defined MonetaryAdjustmentLine upon which this adjustment is based.



## MonetaryAdjustmentStartAmount

The beginning currency amount used in the calculation of a monetary adjustment.

MonetaryAdjustmentStartAmount

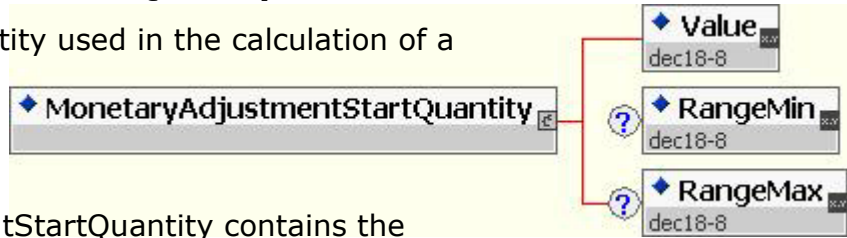
encapsulates the [CurrencyValue](#) element.



# Invoice Documentation - papiNet Standard - Version 2.10

## MonetaryAdjustmentStartQuantity

The beginning quantity used in the calculation of a monetary adjustment.



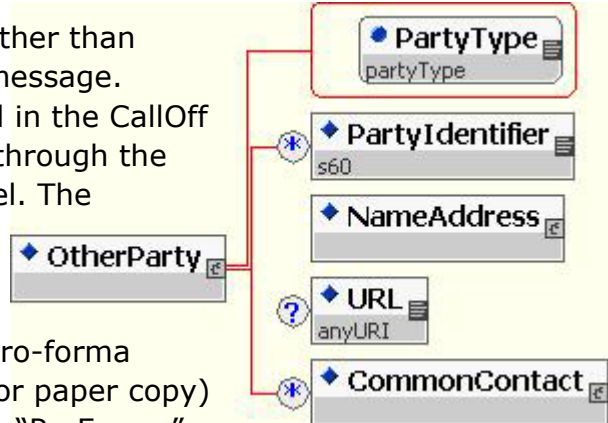
MonetaryAdjustmentStartQuantity contains the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

## OtherParty

An organisation or business entity other than those specifically detailed within a message.

- CallOff - If a carrier is specified in the CallOff message, this should be done through the CarrierParty on the header level. The PartyType "Carrier" should not be used.
- Invoice - The seller may generate multiple copies of a pro-forma invoice and a copy (electronic or paper copy) sent to the OtherParty that has "ProForma" assigned to the PartyType attribute.



OtherParty contains the [PartyType](#) attribute.

OtherParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)
  - ◇ Refer to [Party](#) for additional information

# Invoice Documentation - papiNet Standard - Version 2.10

## PriceAdjustment

A group item defining a deviation from the PricePerUnit.

PriceAdjustment contains the following elements:

- [AdjustmentPercentage](#)
- [AdjustmentValue](#)



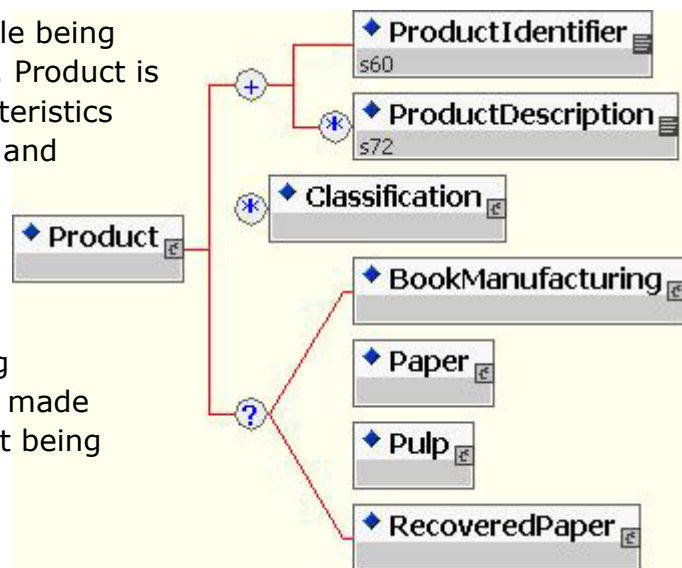
## Product

A group item defining the article being ordered and its characteristics. Product is used to specify product characteristics organized by ProductIdentifier and Classification.

- [ProductIdentifier](#)
- [ProductDescription](#)
- [Classification](#)

A choice of one of the following "market-segment" elements is made based upon the type of product being ordered.

- [BookManufacturing](#)
- [Paper](#)
- [Pulp](#)
- [RecoveredPaper](#)

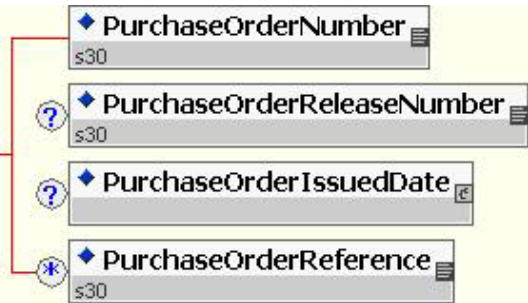


Pulp and Paper are the only products whose characteristics and conversion features have been implemented in papiNet. Recovered Paper and Book Manufacturing are in process and additional product types are under consideration based upon user input.

# Invoice Documentation - papiNet Standard - Version 2.10

## PurchaseOrderInformation

A group item containing information unique to this purchase order, which is provided by the buyer.



PurchaseOrderInformation has the following elements:

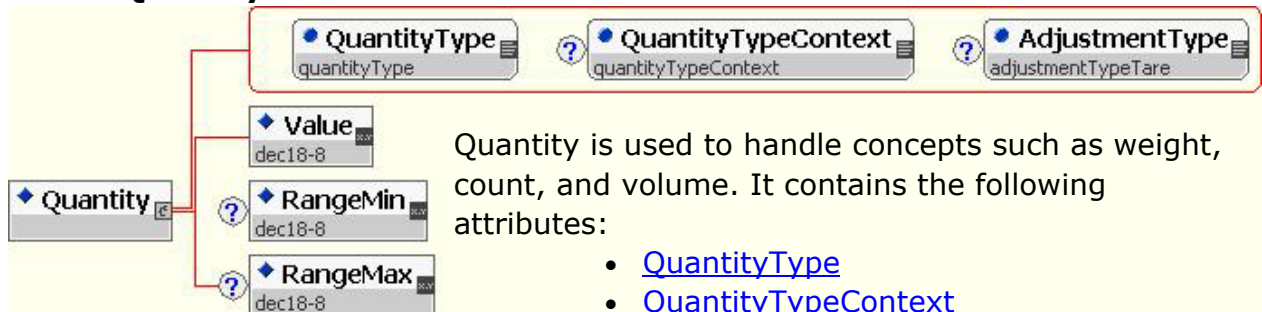
- [PurchaseOrderNumber](#)
- [PurchaseOrderReleaseNumber](#)
- [PurchaseOrderIssuedDate](#)
- [PurchaseOrderReference](#)

## PurchaseOrderLineItemNumber

The sequential number that uniquely identifies the purchase order line item.



## Quantity



Quantity is used to handle concepts such as weight, count, and volume. It contains the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

Quantity uses the [Measurement](#) group and has the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

# Invoice Documentation - papiNet Standard - Version 2.10

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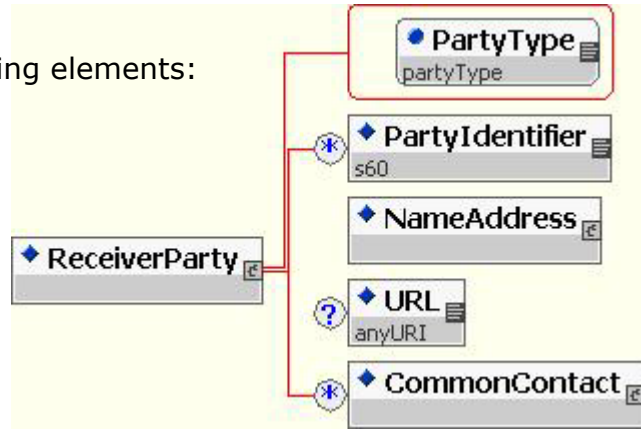
## ReceiverParty

The party for whom the information (message) is intended, typed by the attribute [PartyType](#).

ReceiverParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



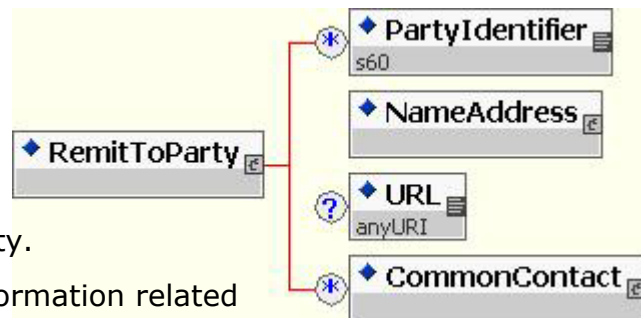
## RemitToParty

A group item containing details of the party to whom payment will be made. When RemitToParty is optional and then omitted, the SupplierParty is assumed to be the RemitToParty.

The RemitToParty contains all information related to remittance except for the seller's bank information that is contained in SupplierParty.

RemitToParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



# Invoice Documentation - papiNet Standard - Version 2.10

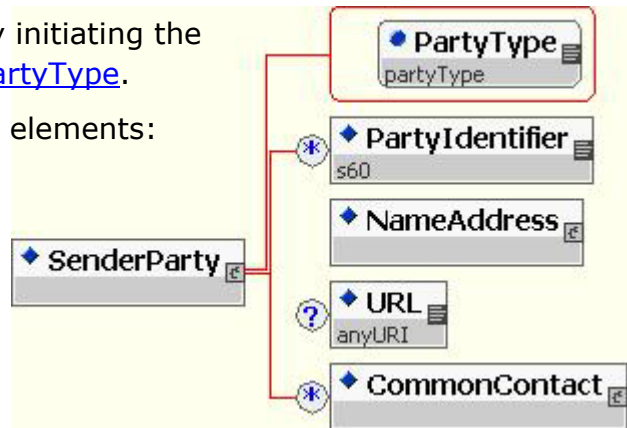
## SenderParty

The organisation or business entity initiating the message, typed by the attribute [PartyType](#).

SenderParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



## ShipToCharacteristics

A group item that provides information important for the Ship-To Party.

ShipToCharacteristics may be referenced at

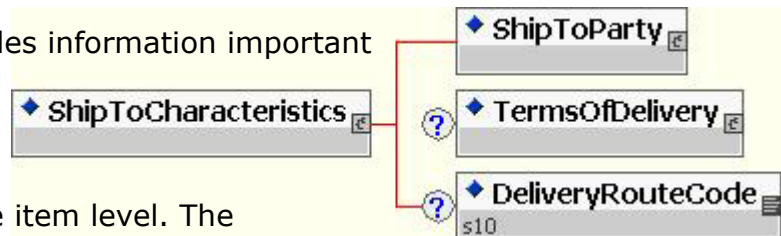
both the header and line item level. The

reference at the header is required and acts as a

default for the value at the line level, unless overridden at the line level.

ShipToCharacteristics contains the following elements:

- [ShipToParty](#)
- [TermsOfDelivery](#)
- [DeliveryRouteCode](#)



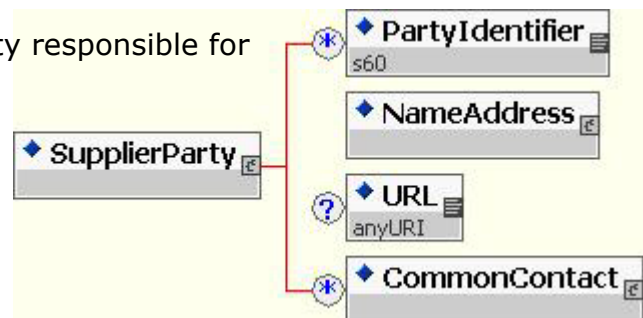
## SupplierParty

The organisation or business entity responsible for providing the product.

SupplierParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) for additional information



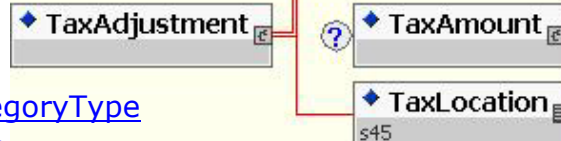
# Invoice Documentation - papiNet Standard - Version 2.10

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## TaxAdjustment

This content element contains the necessary information to describe, calculate, and handle a tax adjustment.

TaxAdjustment contains the following attributes:



- [TaxCategoryType](#)
- [TaxType](#)

TaxAdjustment contains the following elements:

- [TaxPercent](#)
- [TaxAmount](#)
- [TaxLocation](#)

## TermsAndDisclaimers

A repeatable element that contains legal information with an indication of what the [Language](#) is.



# Invoice Documentation - papiNet Standard - Version 2.10

## TermsOfPayment

A group item that contains agreed-to terms defining when, how, and under what conditions the payment of the goods is to be made.

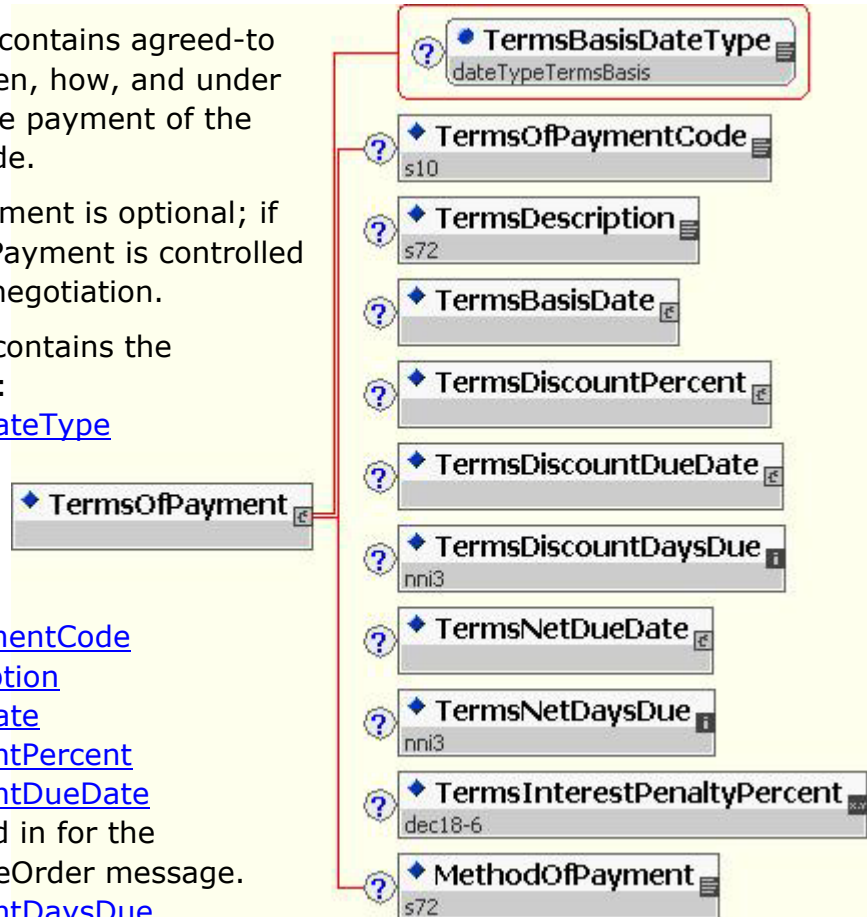
When TermsOfPayment is optional; if omitted, TermsOfPayment is controlled through previous negotiation.

TermsOfPayment contains the following attribute:

- [TermsBasisDateType](#)

TermsOfPayment contains the following elements:

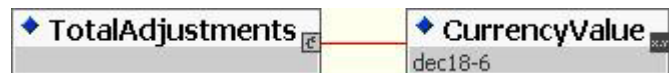
- [TermsOfPaymentCode](#)
- [TermsDescription](#)
- [TermsBasisDate](#)
- [TermsDiscountPercent](#)
- [TermsDiscountDueDate](#)
  - ✧ Not filled in for the PurchaseOrder message.
- [TermsDiscountDaysDue](#)
- [TermsNetDueDate](#)
- [TermsNetDaysDue](#)
  - ✧ Not filled in for the PurchaseOrder message.
- [TermsInterestPenaltyPercent](#)
- [MethodOfPayment](#)



## TotalAdjustments

TotalAdjustments contains the sum of all instances of

PriceAdjustment and FlatAmountAdjustment at the line and summary level. TotalAdjustments contains the sum of all instance of the MonetaryAdjustmentAmount excluding tax amounts. TotalAdjustments encapsulates the [CurrencyValue](#) element.



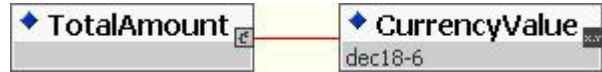
# Invoice Documentation - papiNet Standard - Version 2.10

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## TotalAmount

A field containing the total amount including tax.

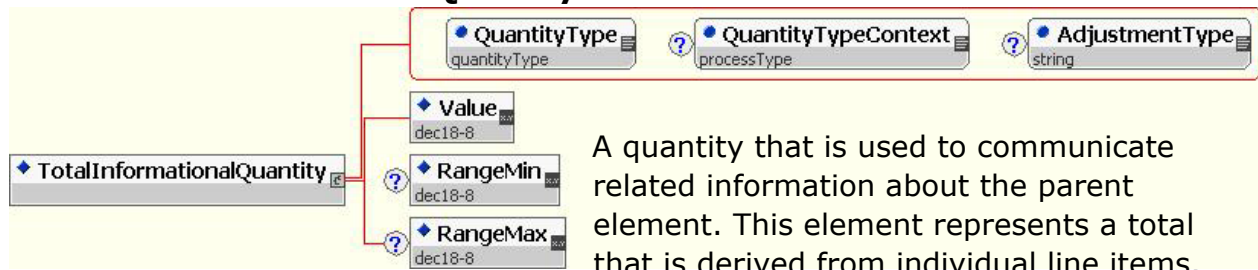
PurchaseOrder – The total amount, using a valid unit of measure of all the items in the message. Multiple total amounts are allowed so different units of measure or grade sub-totals can be communicated.



Invoice - TotalAmount is equal to [TotalNetAmount](#) plus [TotalTaxAmount](#). In certain countries this is the amount that is due for payment based upon the terms of payment.

TotalAmount encapsulates the [CurrencyValue](#) element.

## TotalInformationalQuantity



A quantity that is used to communicate related information about the parent element. This element represents a total that is derived from individual line items.

TotalInformationalQuantity contains the following attributes:

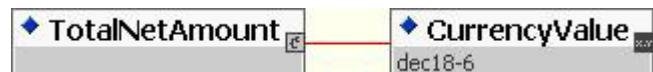
- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalInformationalQuantity contains the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

## TotalNetAmount

A field containing total amount excluding tax. In the Invoice



TotalNetAmount is equal to the sum of [LineItemSubTotal](#) plus [TotalAdjustments](#). TotalNetAmount encapsulates [CurrencyValue](#).

# Invoice Documentation - papiNet Standard - Version 2.10

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## TotalNetOfTermsDiscount

The components of the amount to be paid if payment terms are met, including the amount that is

◆ TotalNetOfTermsDiscount €

subject to the payment terms discount, the discount amount, and the net amount due.

TotalNetOfTermsDiscount

contains the following elements:

- [AmountSubjectToTermsDiscount](#)
- [TotalTermsDiscountNetAmount](#)
- [TotalTermsDiscountNetAmountDue](#)
- [TotalTermsDiscountTaxAmount](#)
- [TotalTermsDiscountAmountDue](#)

◆ AmountSubjectToTermsDiscount €

◆ TotalTermsDiscountNetAmount €

◆ TotalTermsDiscountNetAmountDue €

◆ TotalTermsDiscountTaxAmount €

◆ TotalTermsDiscountAmountDue €

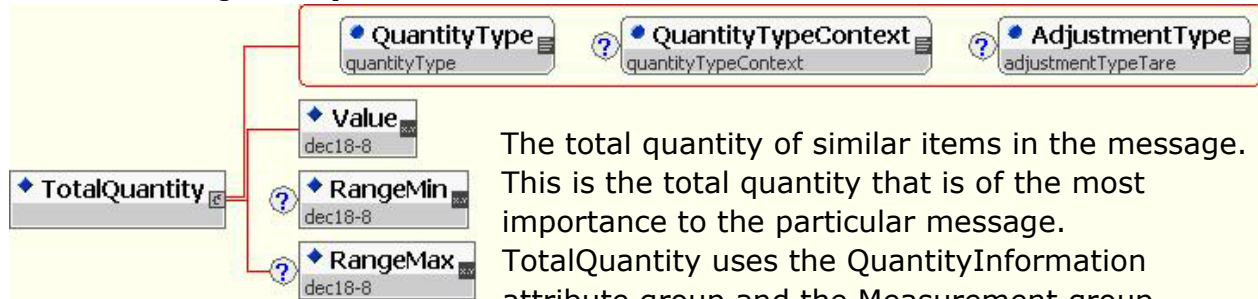
## TotalNumberOfLineItems

The total number of individual line items in the message.

◆ TotalNumberOfLineItems  
nni4

# Invoice Documentation - papiNet Standard - Version 2.10

## TotalQuantity



The total quantity of similar items in the message. This is the total quantity that is of the most importance to the particular message. TotalQuantity uses the QuantityInformation attribute group and the Measurement group

(element grouping).

TotalQuantity uses the following attributes:

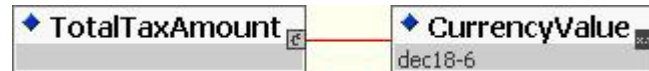
- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalQuantity uses the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

## TotalTaxAmount

TotalTaxAmount contains the sum of all instances of



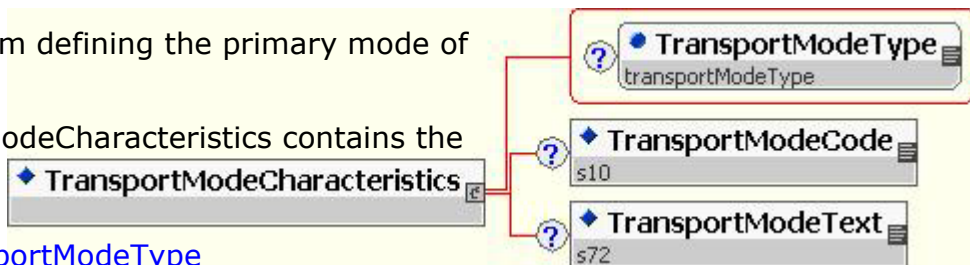
TaxAdjustment at line and summary level. TotalTaxAmount contains the sum of all instances of the MonetaryAdjustmentAmount for tax adjustments. TotalTaxAmount encapsulates [CurrencyValue](#).

## TransportModeCharacteristics

A group item defining the primary mode of transport.

TransportModeCharacteristics contains the following attribute:

- [TransportModeType](#)



TransportModeCharacteristics contains the following elements:

- [TransportModeCode](#)
- [TransportModeText](#)

# Invoice Documentation - papiNet Standard - Version 2.10

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## Common Definition References – Attributes

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### InvoiceReferenceType

Provides the context for the InvoiceReference. Uses a restricted version of the [referenceType](#) data type.

#### Used in:

- InvoiceReference

#### Choices:

- AccountNumber
- Author
- BookLanguage
- CMRNumber
- ContractLineNumber
- ContractNumber
- ConvertingReportNumber
- Copyright
- CustomerReferenceNumber
- DespatchInformationNumber
- Edition
- GoodsReceiptNumber
- IndentOrderNumber
- IntraStatNumber
- ISBN10
- ISBN10Dash
- ISBN13
- ISODocumentReference
- LotIdentifier
- MillOrderLineItemNumber
- MillOrderNumber
- OriginalInvoiceNumber
- Other
- PupilsTeacher
- SchoolGrade
- SchoolGradeLevel
- ShippingInstructionsLineItemNumber
- ShippingInstructionsNumber
- StockOrderNumber
- SupplierReferenceNumber
- SupplierVoyageNumber
- UsageNumber

# Invoice Documentation - papiNet Standard - Version 2.10

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## InvoiceType

Defines the various types of invoices

### Used in:

- Invoice

### Choices:

- **Invoice** - A regular invoice (referred to as an invoice) is a message claiming payment for goods supplied under conditions agreed to between seller and buyer. The invoice communicates, among other things, payment terms, payment method, and the payment amount required for one or more deliveries.
- **PrePayment** - A prepayment invoice is an invoice to pay amounts for goods in advance. These amounts will be subtracted from the final invoice.
- **ProForma** - A pro-forma invoice is a document/message serving as a preliminary invoice, containing on the whole the same information as the final invoice, but not actually claiming payment. Pro-forma invoices are typically used in a cross-border shipment for customs purposes

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## Language

XML has embraced 2 and 3 digit language codes through the application of an addendum to the standard. The various references are provided below.

papiNet has set the default value for Language to "eng". RFC3066 would indicate that it should be set to "en" however, we feel that it is more appropriate to use the content-rich 3-digit codes whenever possible.

### Used in:

- |                           |                                       |
|---------------------------|---------------------------------------|
| • Availability            | • InventoryStatus                     |
| • BusinessAcknowledgement | • Invoice                             |
| • CallOff                 | • OrderConfirmation                   |
| • Complaint               | • OrderStatus                         |
| • ComplaintResponse       | • PackagingDescription                |
| • CreditDebitNote         | • ProductDescription                  |
| • DeliveryMessage         | • ProductQuality                      |
| • DeliveryMessageBook     | • PurchaseOrder                       |
| • EndUses                 | • RFQ                                 |
| • GoodsReceipt            | • RFQResponse                         |
| • InfoRequest             | • ShippingInstructions                |
| • InventoryChange         | • SenderProduct-AttributesDescription |

# Invoice Documentation - papiNet Standard - Version 2.10

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- TermsAndDisclaimers
- Usage

## Choices:

- <http://www.loc.gov/standards/iso639-2/>  
This is the official site of the ISO 639-2 Registration Authority.
- <http://www.w3.org/International/O-HTML-tags.html>  
Provides an explanation of the errata updating XML.
- <http://www.ietf.org/rfc/rfc3066.txt>  
is the key document that is referenced in the above errata.

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## referenceType

Provides a contextual explanation of the specific reference identifier

- **AccountNumber** - The unique reference number given to a financial account of the party involved in the transaction.
- **Author** - Name of the author of the product or book.
- **AudioVideoSelectionNumber** – Unique number given to every audio master. Used by duplicators and replicators.
- **BillOfLadingNumber** - The unique reference number given to a bill of lading document given to the carrier transporting the product; the bill of lading is a legal document that lists all the products that are being transported.
- **BookLanguage** – Language of the text of the book.
- **BuyerBudgetCenter** – Buyers internal cost-centre identifier.
- **BuyerClaimNumber** – A number assigned by the buyer to track their claim.
- **BuyerDivisionIdentifier** – Buyer’s internal division identifier.
- **BuyerImprint** – Identifies which publisher’s imprint to which this product belongs.
- **BuyerRetailPrice** – Cover price of the finished product.
- **CallOffLineItemNumber** – The specific line item number for the Call-Off.
- **CallOffNumber** - The unique reference number given to a call-off message. The call-off number of a previously sent call-off message can be referenced. For example, a seller can refer to a call-off number in a delivery message.
- **CIMNumber** - The unique reference number given to an international freight document for rail transport.
- **CMRNumber** - The unique reference number given to an international freight document for road transport.
- **ComplaintNumber** – The reference number associated with a complaint.

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- **ComplaintResponseNumber** – The reference number associated with a complaint response.
- **ContractLineNumber** - A particular line number of a contract. Note: To reference a contract line number, the seller or buyer must include a clear reference to the corresponding contract elsewhere in the message.
- **ContractNumber** - The unique reference number given to a mutual commercial/trading agreement between a buyer and a seller. The agreement can cover a quote, a bid, a contract, pricing, invoicing, and/or payment terms.
- **ConvertingReportNumber** – An identifier used to communicate which converting report is being referred to.
- **Copyright** – The year of publication copyright.
- **CreditDebitNoteNumber** – The number of the referenced Credit or Debit Note.
- **CustomerBookingNumber** – The customer’s number for the transit booking used to reference lines to be co-loaded on the same transport.
- **CustomerJobNumber** – an identifier for a specific job or task to which the forecast data is to apply, along with location and item.
- **CustomerJobTitle** – a name of a specific job or task to which the forecast data is to apply, along with location and item.
- **CustomerReferenceNumber** - A unique informational reference number passed on from the buyer to the seller. This number is meaningful only to the buyer.
- **DeliveryBookingNumber** – A number issued by the customer to schedule deliveries at their site.
- **DeliveryLocation** – The location to which product is to be delivered.
- **DespatchInformationNumber** -
- **DespatchInstructionNumber** – The unique reference number of the despatch instruction document. For example the despatch instructions sent from the mill to the warehouse.
- **Edition** – Buyer’s description of the version of the product edition. For example in book manufacturing values might be 2nd, Texas, Revised.
- **EndCallOffDate** – The last date that a call-off can be placed.
- **FormType** – type of printed signature. For book manufacturing, could be web, sheet, folded and gathered sig.
- **FromPurchaseOrderNumber** – The purchase order that is used as the source of information.
- **GoodsReceiptNumber** – The number of the goods receipt transaction that is being referred to.
- **IndentOrderNumber** - A unique reference number given to an order, which is to be delivered directly to the buyer’s own customer (typically

## Invoice Documentation - papiNet Standard - Version 2.10

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a paper merchant). The reference value is passed from the buyer to the seller and the information content is meaningful only to the buyer.

- **InitialShipmentAdviceNumber** - The unique reference number given to an initial shipment advice message. The number of a previously sent initial shipment advice message can be referenced. For example, a seller can refer to an initial shipment advice number in a delivery message.
- **IntraStatNumber** The unique reference number given to product groups by the international authority Intrastat for statistical purposes. This number must be on the invoice when importing or exporting goods.
- **ISBN10** – 10 digit ISBN code without dashes
- **ISBN10Dash** – 10 digit ISBN code with dashes
- **ISBN13** – 13 digit ISBN code.
- **ISODocumentReference** -- A unique ISO 9002 / 9001 document identifier.
- **IssueEvent** – A task, or other type of event, related to the creation of an issue of a publication.
- **JobNumber** – An identifier for a step in the production, publication, or manufacturing process. Usually a job has as its scope the amount of work performed by a defined resource (person or equipment).
- **LotIdentifier** – A unique code used to identify a grouping of product with one set of quality statistics common to all members of that group.
- **MarketplaceReferenceNumber** – A number used by the marketplace to identify the information.
- **MasterBillOfLading** - The unique reference number given to a master bill of lading document, which contains multiple bills of lading. This is a legal document given to the carrier that transports the goods to multiple customers, each of which then receive a unique bill of lading document.
- **MasterContractNumber** – Contract number that is broader in terms of doing business between partners which for the book industry may, or may not include pricing.
- **MillOrderLineItemNumber** – The line number associated with the Mill Order Number.
- **MillOrderNumber** - The unique reference number created by the mill to identify a specific lot of paper with the same paper characteristics. This number may be used to identify a mill's internal order number, corresponding to all, or part of a buyer's purchase order.
- **MillSalesOfficeNumber** – The number used to identify the Mill's sales office.
- **OrderPartyReferenceNumber** – Reference number of the original order party.

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- **OriginalComplaintResponseNumber** - Reference number of the original ComplaintResponse.
- **OriginalDeliveryNumber** - The unique reference number given to a delivery message number sent previously that has been replaced in the meantime.
- **OriginalGoodsReceiptNumber** - The original unique identifier of the GoodsReceipt that is to be replaced.
- **OriginalInvoiceNumber** - The unique reference number given to an invoice message number sent previously that has been replaced in the meantime.
- **OriginalPurchaseOrderNumber** - The unique reference number given to a purchase order message number sent previously that has been replaced (through amendment or cancellation) in the meantime.
- **OriginalUsageNumber** - The unique reference number given to a usage message previously sent that has been replaced (through amendment or cancellation) in the meantime.
- **Other** - Used for any other reference that is not covered by this attribute list.
- **PackageNumber** - The unique reference number given to a manufacturer's product packaging designation.
- **PriceContractNumber** - Contract number that is specific to pricing.
- **PriceList** - The number used to identify the price list.
- **PrintingNumber** - Buyer's reference to the sequential print run number.
- **PubName** - The publication name.
- **PubNumber** - The publication number.
- **PupilsTeachers** - Description of the pupils/teachers edition specific to educational book products.
- **PurchaseOrderLineItemNumber** - a sequential number that uniquely identifies the purchase order line item.
- **PurchaseOrderNumber** - The unique reference number given to a purchase order message. The purchase order number of a previously sent order can be referenced. For example, a seller can refer to a purchase order number in an invoice message.
- **ReleaseNumber** - The unique sequential number given to the release of a reservation order, a contract, or a blanket order. Note: To reference a release number, the buyer or seller must have clearly referenced the corresponding purchase order elsewhere in the message.
- **RFQLineItemNumber** - The number used to identify the RFQ line item.

## Invoice Documentation - papiNet Standard - Version 2.10

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- **RFQNumber** – The identifier of the RFQ. Usually provided when opening a purchase order that is derived from a request for quote (RFQ).
- **RunNumber** - The unique reference number given to a paper-manufacturing slot on the mill production line (for example, paper machine or sheet cutter). Paper for several orders is manufactured in one run before resetting the machines for new manufacturing results.
- **SchoolGrade** – Grade level indicator of the book product, specific to educational text books such as grade 3. (K=Kindergarten, 1 through 12, CO=College)
- **SchoolGradeLevel** – Further definition of the Grade level of the book product, specific to educational text books such as grade 3 level A.
- **ShippingInstructionsLineItemNumber** – Line number reference of the shipping instruction for book shipments.
- **ShippingInstructionsNumber** – Sequential message number of the shipping instruction.
- **SpecificationReferenceNumber** – Buyer’s version number of the book specification.
- **StockOrderNumber** - The unique reference number given to an order, which is to be delivered to the buyer’s designated stock location (typically a paper merchant). The reference value is passed from the buyer to the supplier and the information content is meaningful only to the buyer.
- **SupplierCallOffNumber** – A number assigned by the supplier to the call-off created by the customer.
- **SupplierClaimNumber** – The number assigned by the supplier to identify a claim.
- **SupplierReferenceNumber** - The unique reference number created by the seller in response to a purchase order. This number, sent in the seller’s order confirmation message, can correspond to all or part of a mill order number versus a run number.
- **SupplierVoyageNumber** - The unique seller’s reference number (own internal code) given to a voyage, not the port authority’s number.
- **Title** – Proper title of a book product.
- **TitleAlias** – Buyer supplied title description for book products, usually used for security purposes.
- **ToPurchaseOrderNumber** – The destination of purchase order information.
- **UniversalProductIdentifier** – Unique identifier for the book, component of a book product, and many other products.
- **UsageNumber** – The number used to identify the Usage activity being referred to.

## Invoice Documentation - papiNet Standard - Version 2.10

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- **VendorReferenceNumber** – A unique number created by the Vendor for the information.
- **WarehouseDeliveryNumber** – Alternate delivery number when the warehouse uses secondary documents to manage despatch, e.g. Third Party managed warehouse with their own system.

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### Reissued

Reissued is an optional attribute that indicates whether the document is an original or a copy. When this attribute is omitted the document is not a copy – it is an original. This is because No is the default.

#### Used in:

- CallOff
- Complaint
- ComplaintResponse
- CreditDebitNote
- DeliveryMessage
- DeliveryMessageBook
- GoodsReceipt
- InventoryChange
- InventoryStatus
- Invoice
- OrderConfirmation
- ProductPerformance
- PurchaseOrder
- ShippingInstructions
- Usage

#### Choices:

- **Yes** – The document has been reissued.
- **No** – The document is the original.

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### statusType

Acts as a flag indicating what processing may be required.

- **Accepted** - Either the seller or the buyer accepts the header information.
- **Amended** - Either the seller or the buyer has changed the header information.
- **Cancelled**- The buyer has cancelled a line item that was sent in a previous message. Lines that have been cancelled are not included in Totals on the Summary levels of the message.
- **Counterproposal** - The sender is presenting a different proposal.
- **New** – This is the first time the message has been sent.
- **NoAction** – This call-off header has not been amended and thereby requires no action.
- **Original** - The message information is the first version of that information.
- **Pending** - The seller will update the call-off line item at a later time.
- **Rejected** - The header information is rejected.

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- **Replaced** - The entire message referred to has been replaced and the receiver should revalidate the information in their system based upon the entire message contents received.

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## Additional Information for Invoice Message

### MonetaryAdjustment Structure

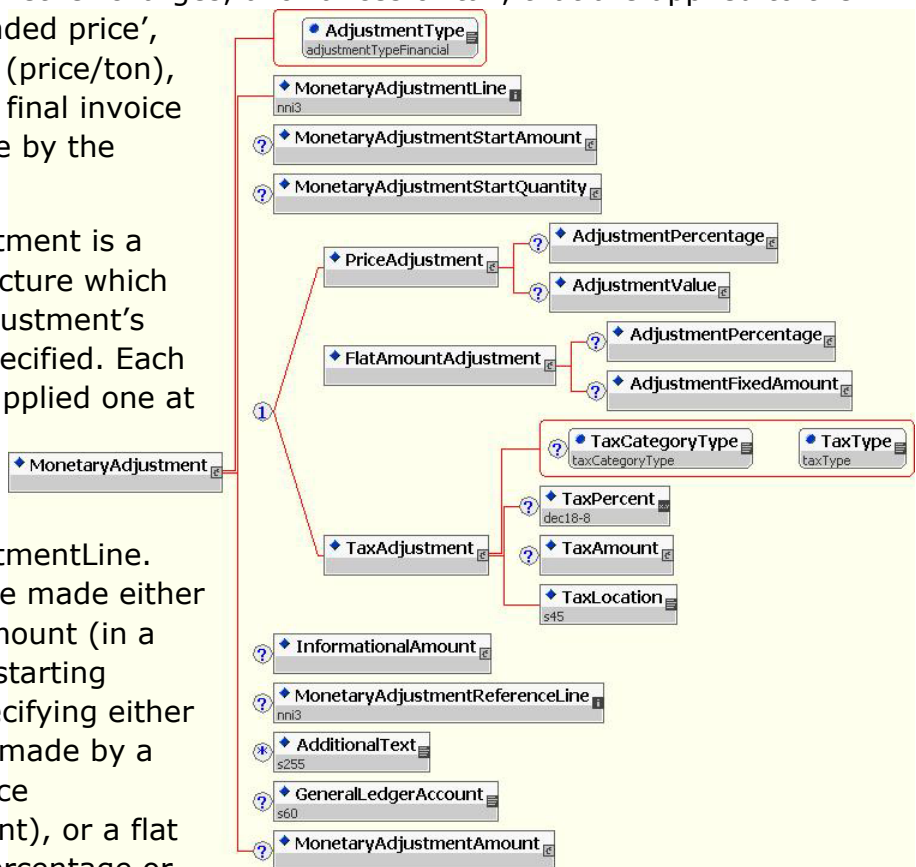
Monetary adjustments may be applied in two places.

Adjustments can be applied on each InvoiceLineItem, if appropriate.

- The MonetaryAdjustment structure is included as an optional repeatable element in InvoiceLineItem for this purpose.
- Alternatively, or in addition, adjustments can be applied to the whole invoice. The MonetaryAdjustment structure is included as an optional repeatable element at the same level as the header, line item and summary structures for this purpose.

MonetaryAdjustment is an element designed to support the detailing of adjustments, whether charges, allowances or tax, that are applied to the 'standard extended price', e.g. tons *times* (price/ton), to arrive at the final invoice amount payable by the customer.

MonetaryAdjustment is a repeatable structure which allows each adjustment's details to be specified. Each adjustment is applied one at a time in the order indicated by MonetaryAdjustmentLine. Adjustments are made either to a starting amount (in a currency) or a starting quantity by specifying either an adjustment made by a change to a price (PriceAdjustment), or a flat amount as a percentage or value (FlatAmountAdjustment), or tax (TaxAdjustment), the value of the adjustment being shown in MonetaryAdjustmentAmount.



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## Example of how to use MonetaryAdjustment

### Example 1

The Invoice in this case has adjustments for:

- a contract discount of USD 5 per short ton,
- a freight charge of a flat 10% of the invoice line item value, applied after the contract discount,
- tax on the freight charge at one rate
- tax on the total less the freight

Assumptions:

- PricePerUnit is USD500/ShortTon.
- Invoice Quantity is 1,000 ShortTon.
- 1,000 ShortTon is equivalent to 900 reels.

On the InvoiceLineItem

Quantity = 1,000  
 PricePerUnit = 500 per ShortTon  
 InvoiceLineBaseAmount = 500,000

Monetary Adjustment Line	Adjustment Type	Monetary Adjustment Start Amount	Monetary Adjustment Start Quantity	PriceAdjustment		FlatAmountAdjustment		TaxAdjustment			Monetary Adjustment Reference Line	Monetary Adjustment Amount
				Adjustment Percentage	Adjustment Value (per UOM)	Adjustment Percentage	Adjustment Value (per UOM)	Tax Type	Tax Percent	Tax Amount		
1	Contract		1,000		-5.00							-5,000
2	Freight	495,000				10						49,500
3	Tax	49,500						PST	5	2,475	2	2,475
4	Tax	495,000						GST	2	9,900		9,900

InvoiceLineAmount = 556,875

Sample papiNet XML for example 1

```

<Quantity>
  <MeasurementValue UOM = "ShortTon">+1000.000</MeasurementValue>
</Quantity>
<InformationalQuantity>
  <MeasurementValue UOM = "Reel">+900</MeasurementValue>
</InformationalQuantity>
<InvoiceLineBaseAmountInformation>
  <PricePerUnit>
    <CurrencyValue CurrencyType = "USD">+500.00</CurrencyValue>
    <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
  </PricePerUnit>
  <InvoiceLineBaseAmount>
    <CurrencyValue CurrencyType = "USD">+500000.00</CurrencyValue>
  </InvoiceLineBaseAmount>
</InvoiceLineBaseAmountInformation>
<MonetaryAdjustment AdjustmentType="ContractAllowance">
  <MonetaryAdjustmentLine>01</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartQuantity>
    <MeasurementValue UOM = "ShortTon">1000</MeasurementValue>
  </MonetaryAdjustmentStartQuantity>

```

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```
</MonetaryAdjustmentStartQuantity>
<PriceAdjustment>
  <AdjustmentValue>
    <CurrencyValue CurrencyType = "USD">-5.00</CurrencyValue>
    <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
  </AdjustmentValue>
</PriceAdjustment>
<AdditionalText>Contract rebate</AdditionalText>
<GeneralLedgerAccount>134-45-F23</GeneralLedgerAccount>
<MonetaryAdjustmentAmount>
  <CurrencyValue CurrencyType = "USD">-5000.00</CurrencyValue>
</MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="FreightCharge">
  <MonetaryAdjustmentLine>2</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+495000.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <FlatAmountAdjustment>
    <AdjustmentPercentage UOM = "Percentage">+10.0</AdjustmentPercentage>
  </FlatAmountAdjustment>
  <AdditionalText>Freight charge</AdditionalText>
  <GeneralLedgerAccount>134-45-Z45</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+49500.00    </CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
  <MonetaryAdjustmentLine>03</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+49500.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <TaxAdjustment TaxCategoryType = "Standard" TaxType = "StateOrProvincial">
    <TaxPercent UOM = "Percentage">+5.0</TaxPercent>
    <TaxLocation>Hobart</TaxLocation>
  </TaxAdjustment>
  <MonetaryAdjustmentReferenceLine>02</MonetaryAdjustmentReferenceLine>
  <AdditionalText>Provincial Tax</AdditionalText>
  < GeneralLedgerAccount >241-55-A01</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+2475.00</CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
```

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```
<MonetaryAdjustmentLine>04</MonetaryAdjustmentLine>
<MonetaryAdjustmentStartAmount>
  <CurrencyValue CurrencyType = "USD">+495000.00</CurrencyValue>
</MonetaryAdjustmentStartAmount>
<TaxAdjustment TaxCategoryType = "Standard" TaxType = "GST">
  <TaxPercent UOM = "Percentage">+2.0</TaxPercent>
  <TaxLocation>Hobart</TaxLocation>
</TaxAdjustment>
<AdditionalText>GST Tax</AdditionalText>
<GeneralLedgerAccount >241-55-A20</ GeneralLedgerAccount >
<MonetaryAdjustmentAmount>
  <CurrencyValue CurrencyType = "USD">+9900.00</CurrencyValue>
</MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<InvoiceLineAmount>
  <CurrencyValue CurrencyType = "USD">+556875.00</CurrencyValue>
</InvoiceLineAmount>
```

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## Example 2

The Invoice in this case has adjustments for:

- a volume discount of 1.5% of the extended price
- a fictional tax on the value of the discount
- a flat freight charge of USD50000
- tax on the freight charge only

Assumptions:

- PricePerUnit is USD500/ShortTon
- Invoice Quantity is 1,000 ShortTon
- 1,000 ShortTon is equivalent to 900 reels

On the InvoiceLineItem

Quantity = 1,000  
 PricePerUnit = 500 per ShortTon  
 InvoiceLineBaseAmount = 500,000

Monetary Adjustment Line	Adjustment Type	Monetary Adjustment Start Amount	Monetary Adjustment Start Quantity	PriceAdjustment		FlatAmountAdjustment		Tax Type	TaxAdjustment		Monetary Adjustment Reference Line	Monetary Adjustment Amount
				Adjustment Percentage	Adjustment Value (per UOM)	Adjustment Percentage	Adjustment Value (per UOM)		Tax Percent	Tax Amount		
1	Volume		1,000		-7.50							-7500
2	Tax	7,500						Tax Deals	1.0		1	75
3	Freight						50,000					50000
4	Tax	50,000						GST	6.0	3,000	3	3000
5	Commission	492,500					1.2					

InvoiceLineAmount = 545,575

Note: In this example, the Commission adjustment is shown but the value is not shown in MonetaryAdjustmentAmount, as this is not a cost to the buyer in this case. The value of the Commission, USD 591.00, would instead be shown in InformationalAmount.

This is also so that the calculation (InvoiceLineBaseAmount + (sum of all MonetaryAdjustmentAmount) = InvoiceLineAmount) is preserved.

## Sample papiNet XML for example 2

```

<Quantity>
  <MeasurementValue UOM = "ShortTon">+1000.000</MeasurementValue>
</Quantity>
<InformationalQuantity>
  <MeasurementValue UOM = "Reel">900</MeasurementValue>
</InformationalQuantity>
<InvoiceLineBaseAmountInformation>
  <PricePerUnit>
    <CurrencyValue CurrencyType = "USD">+500.00</CurrencyValue>
    <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
  </PricePerUnit>
  <InvoiceLineBaseAmount>

```

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---

```
<CurrencyValue CurrencyType = "USD">+500000.00</CurrencyValue>
</InvoiceLineBaseAmount>
</InvoiceLineBaseAmountInformation>
<MonetaryAdjustment AdjustmentType="VolumeDiscount">
  <MonetaryAdjustmentLine>01</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartQuantity>
    <MeasurementValue UOM = "ShortTon">1000</MeasurementValue>
  </MonetaryAdjustmentStartQuantity>
  <PriceAdjustment>
    <AdjustmentPercentage UOM = "Percentage">-1.5</AdjustmentPercentage>
    <AdjustmentValue>
      <CurrencyValue CurrencyType = "USD">-7.50</CurrencyValue>
      <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
    </AdjustmentValue>
  </PriceAdjustment>
  <AdditionalText>Volume rebate</AdditionalText>
  < GeneralLedgerAccount >134-45-F23</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">-7500.00</CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
  <MonetaryAdjustmentLine>02</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+7500.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <TaxAdjustment TaxCategoryType = "Standard" TaxType = "Local">
    <TaxPercent UOM = "Percentage">+1.0</TaxPercent>
    <TaxLocation>Hobart</TaxLocation>
  </TaxAdjustment>
  <MonetaryAdjustmentReferenceLine>01</MonetaryAdjustmentReferenceLine>
  <AdditionalText>Local tax on deals</AdditionalText>
  < GeneralLedgerAccount >241-55-A01</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+75.00</CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="FreightCharge">
  <MonetaryAdjustmentLine>03</MonetaryAdjustmentLine>
  <FlatAmountAdjustment>
    <AdjustmentFixedAmount>
      <CurrencyValue CurrencyType = "USD">+50000.00 </CurrencyValue>
    </AdjustmentFixedAmount>
  </FlatAmountAdjustment>
</MonetaryAdjustment>
```

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---

```
<AdditionalText>Freight charge</AdditionalText>
< GeneralLedgerAccount >134-45-Z45</ GeneralLedgerAccount >
<MonetaryAdjustmentAmount>
  <CurrencyValue CurrencyType = "USD">+50000.00</CurrencyValue>
</MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
  <MonetaryAdjustmentLine>04</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+50000.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <TaxAdjustment TaxCategoryType = "Standard" TaxType = "GST">
    <TaxPercent UOM = "Percentage">+6.0</TaxPercent>
    <TaxLocation>Hobart</TaxLocation>
  </TaxAdjustment>
  <MonetaryAdjustmentReferenceLine>03</MonetaryAdjustmentReferenceLine>
  <AdditionalText>GST Tax on Freight</AdditionalText>
  < GeneralLedgerAccount >241-55-A20</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+3000.00</CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Commission">
  <MonetaryAdjustmentLine>04</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+492500.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <FlatAmountAdjustment>
    <AdjustmentPercentage UOM = "Percentage">+1.2</AdjustmentPercentage>
  </FlatAmountAdjustment>
  <InformationalAmount>
    <CurrencyValue CurrencyType = "USD">+591.00</CurrencyValue>
    <AdditionalText>Commission due to Mr A Ivan. Not shown on invoice.</AdditionalText>
  </InformationalAmount>
  <GeneralLedgerAccount >241-55-A20</ GeneralLedgerAccount >
</MonetaryAdjustment>
<InvoiceLineAmount>
  <CurrencyValue CurrencyType = "USD">+545575.00</CurrencyValue>
</InvoiceLineAmount>
```

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## Example 3

The Invoice in this case has adjustments for:

- a handling charge of USD1.50 per reel,
- tax on the value of the handling charge only

Assumptions:

- PricePerUnit is USD500/ShortTon
- Invoice Quantity is 1,000 ShortTon
- 1,000 ShortTon is equivalent to 900 reels

On the InvoiceLineItem

Quantity = 1,000  
 Informational Quantity = 900  
 PricePerUnit = 500 per ShortTon  
 InvoiceLineBaseAmount = 500,000

Monetary Adjustment Line	Adjustment Type	Monetary Adjustment Start Amount	Monetary Adjustment Start Quantity	PriceAdjustment		FlatAmountAdjustment		Tax Type	TaxAdjustment		Monetary Adjustment Reference Line	Monetary Adjustment Amount
				Adjustment Percentage	Adjustment Value (per UOM)	Adjustment Percentage	Adjustment Value (per UOM)		Tax Percent	Tax Amount		
1	Handling		900		1.50							1,350
2	Tax	1,350						HST	6.0		1	81

InvoiceLineAmount = 501,431

```

<Quantity>
  <MeasurementValue UOM = "ShortTon">1000.000</MeasurementValue>
</Quantity>
<InformationalQuantity>
  <MeasurementValue UOM = "Reel">900</MeasurementValue>
</InformationalQuantity>
<InvoiceLineBaseAmountInformation>
  <PricePerUnit>
    <CurrencyValue CurrencyType = "USD">+500.00</CurrencyValue>
    <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
  </PricePerUnit>
  <InvoiceLineBaseAmount>
    <CurrencyValue CurrencyType = "USD">+500000.00</CurrencyValue>
  </InvoiceLineBaseAmount>
</InvoiceLineBaseAmountInformation>
<MonetaryAdjustment AdjustmentType="SpecialHandlingCharge">
  <MonetaryAdjustmentLine>01</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartQuantity>
    <MeasurementValue UOM = "Reel">900</MeasurementValue>
  </MonetaryAdjustmentStartQuantity>
  <PriceAdjustment>
    <AdjustmentValue>
      <CurrencyValue CurrencyType = "USD">+1.50</CurrencyValue>
      <MeasurementValue UOM = "Reel">1</MeasurementValue>
    </AdjustmentValue>
  </PriceAdjustment>
  </MonetaryAdjustment>
  </InvoiceLineItem>
  
```

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---

```
</PriceAdjustment>
<AdditionalText>Handling charge</AdditionalText>
< GeneralLedgerAccount >134-45-F23</ GeneralLedgerAccount >
<MonetaryAdjustmentAmount>
  <CurrencyValue CurrencyType = "USD">+1350.00</CurrencyValue>
</MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
  <MonetaryAdjustmentLine>02</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+1350.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <TaxAdjustment TaxCategoryType = "Standard" TaxType = "StateOrProvincial">
    <TaxPercent UOM = "Percentage">+6.0</TaxPercent>
    <TaxLocation>Hobart</TaxLocation>
  </TaxAdjustment>
  <AdditionalText>State tax</AdditionalText>
  < GeneralLedgerAccount >241-55-A01</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+81.00 </CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<InvoiceLineAmount>
  <CurrencyValue CurrencyType = "USD">+501431.00</CurrencyValue>
</InvoiceLineAmount>
```

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## Example 4

This example shows the application of cascading discounts on volume.

The Invoice in this case has adjustments for:

- a volume discount of 1.5% on the quantity over 500 ShortTon and less than 800
- a volume discount of 2.0% on volume over 800 ShortTon
- tax on the value of the InvoiceLineItem

Assumptions:

- PricePerUnit is USD500/ShortTon
- Invoice Quantity is 1,000 ShortTon
- Which is equivalent to 900 reels

**On the InvoiceLineItem**

Quantity = 1,000  
 Informational Quantity = 900  
 PricePerUnit = 500 per ShortTon  
 InvoiceLineBaseAmount = 500,000

Monetary Adjustment Line	Adjustment Type	Monetary Adjustment Start Amount	Monetary Adjustment Start Quantity	PriceAdjustment		FlatAmountAdjustment		TaxAdjustment			Monetary Adjustment Reference Line	Monetary Adjustment Amount
				Adjustment Percentage	Adjustment Value (per UOM)	Adjustment Percentage	Adjustment Value (per UOM)	Tax Type	Tax Percent	Tax Amount		
1	Volume	150,000	300			-1.5						-2,250.00
2	Volume	100,000	200			-2.0						-2,000.00
3	Tax	495,750						VAT	7.5			37,181.25

InvoiceLineAmount = 532,931.25

## Sample papiNet XML for example 4

```

<Quantity>
  <MeasurementValue UOM = "ShortTon">1000.000</MeasurementValue>
</Quantity>
<InformationalQuantity>
  <MeasurementValue UOM = "Reel">900</MeasurementValue>
</InformationalQuantity>
<InvoiceLineBaseAmountInformation>
  <PricePerUnit>
    <CurrencyValue CurrencyType = "USD">+500.00</CurrencyValue>
    <MeasurementValue UOM = "ShortTon">1</MeasurementValue>
  </PricePerUnit>
  <InvoiceLineBaseAmount>
    <CurrencyValue CurrencyType = "USD">+500000.00</CurrencyValue>
  </InvoiceLineBaseAmount>
</InvoiceLineBaseAmountInformation>
<MonetaryAdjustment AdjustmentType="VolumeDiscount">
  <MonetaryAdjustmentLine>01</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartQuantity>
    <MeasurementValue UOM = "ShortTon">300</MeasurementValue>
  </MonetaryAdjustmentStartQuantity>

```

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---

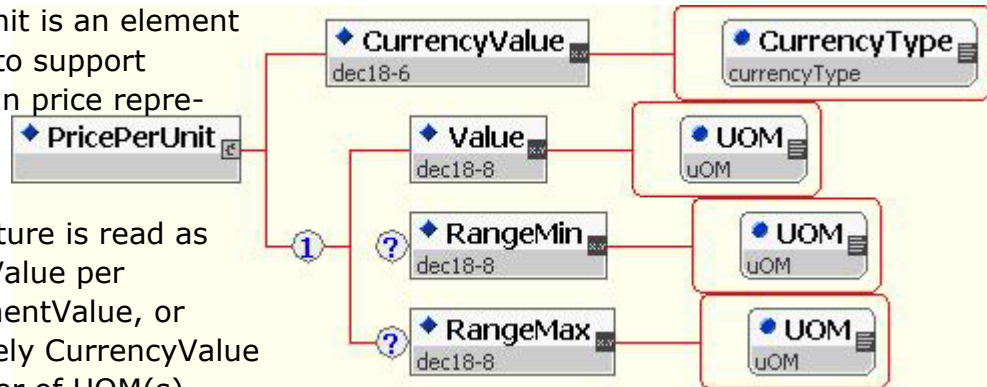
```
<FlatAmountAdjustment>
  <AdjustmentPercentage UOM = "Percentage">-1.5</AdjustmentPercentage>
</FlatAmountAdjustment>
<AdditionalText>Discount above 500 short ton</AdditionalText>
< GeneralLedgerAccount >134-45-F23</ GeneralLedgerAccount >
<MonetaryAdjustmentAmount>
  <CurrencyValue CurrencyType = "USD">-2250.00</CurrencyValue>
</MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="VolumeDiscount">
  <MonetaryAdjustmentLine>02</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartQuantity>
    <MeasurementValue UOM = "ShortTon">200</MeasurementValue>
  </MonetaryAdjustmentStartQuantity>
  <FlatAmountAdjustment>
    <AdjustmentPercentage UOM = "Percentage">-2.0</AdjustmentPercentage>
  </FlatAmountAdjustment>
  <AdditionalText>Volume discount over 800 short ton</AdditionalText>
  <GeneralLedgerAccount >134-45-Z45</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">-2000.00</CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<MonetaryAdjustment AdjustmentType="Tax">
  <MonetaryAdjustmentLine>03</MonetaryAdjustmentLine>
  <MonetaryAdjustmentStartAmount>
    <CurrencyValue CurrencyType = "USD">+495750.00</CurrencyValue>
  </MonetaryAdjustmentStartAmount>
  <TaxAdjustment TaxCategoryType = "Standard" TaxType = "VAT">
    <TaxPercent UOM = "Percentage">+7.5</TaxPercent>
    <TaxLocation>Hobart</TaxLocation>
  </TaxAdjustment>
  <AdditionalText>Provincial Tax</AdditionalText>
  < GeneralLedgerAccount >241-55-A01</ GeneralLedgerAccount >
  <MonetaryAdjustmentAmount>
    <CurrencyValue CurrencyType = "USD">+37181.25    </CurrencyValue>
  </MonetaryAdjustmentAmount>
</MonetaryAdjustment>
<InvoiceLineAmount>
  <CurrencyValue CurrencyType = "USD">+532931.25</CurrencyValue>
</InvoiceLineAmount>
```

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## PricePerUnit

PricePerUnit is an element designed to support flexibility in price representation.

This structure is read as CurrencyValue per MeasurementValue, or alternatively CurrencyValue per number of UOM(s).



### Examples are:

USD 1000 per 1 MetricTon

- The price is USD 1000 per 1 metric ton. First specify the price amount in CurrencyValue, then the type of units and how many of them.

```

<PricePerUnit>
<CurrencyValue CurrencyType = "USD">1000</CurrencyValue>
<MeasurementValue UOM = "MetricTon">1</MeasurementValue>
</PricePerUnit>
  
```

USD 200 per 1 Pallet

- The price is USD 200 per 1 pallet First specify the price amount in CurrencyValue, then the type of units and how many of them.

```

◇ <PricePerUnit>
◇ <CurrencyValue CurrencyType =
  "USD">200</CurrencyValue>
◇ <MeasurementValue UOM =
  "MetricTon">1</MeasurementValue>
◇ </PricePerUnit>
  
```

AUD 3.10 per 100 SquareMeter

- The price is AUD 3.10 per 100 square meters First specify the price amount in CurrencyValue, then the type of units and how many of them

```

◇ <PricePerUnit>
◇ <CurrencyValue CurrencyType =
  "AUD">310</CurrencyValue>
◇ <MeasurementValue UOM =
  SquareMeter">100</MeasurementValue>
◇ </PricePerUnit>
  
```

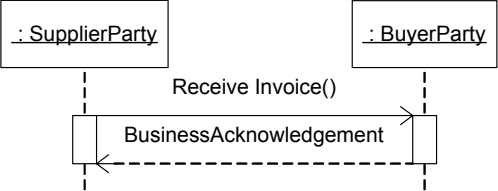
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## Invoice Business Scenarios

### Listing of Scenarios

<a href="#">Scenario A</a>	Regular invoice sent to customer with payment directly to buyer.
<a href="#">Scenario B</a>	Regular invoice sent to customer with payment to a another party
<a href="#">Scenario C</a>	Delivery cancelled after invoice is communicated
<a href="#">Scenario D</a>	Invoice for a call-off

### Scenario A

<b>Message</b>	Invoice, Type = "Regular"
<b>Business Scenario</b>	<p>Regular invoice sent to customer with payment to the same address.</p>  <pre> sequenceDiagram     participant S as :SupplierParty     participant B as :BuyerParty     S-&gt;&gt;B: Receive Invoice()     B--&gt;&gt;S: BusinessAcknowledgement         </pre>
<b>Scenario Outcome</b>	Invoice is entered into the Supplier's system. Payment is made directly to Supplier.
<b>Initiator</b>	Supplier
<b>Receiver</b>	Buyer
<b>Preconditions</b>	This Use Case assumes the Supplier has previously sent material to the Buyer (this precondition is not applicable with a PrePayment Invoice),
<b>Trigger</b>	Material shipment
<b>Step 1</b>	<p>Supplier sends a regular invoice to the Buyer. The Invoice message does not contain any statuses. The following information that is included in the Invoice message is particular to this Use Case.</p> <ul style="list-style-type: none"> <li>• InvoiceType = "Invoice"</li> </ul> <p style="margin-left: 40px;">SupplierParty</p> <ul style="list-style-type: none"> <li>• PartyIdentifierType = "BankIdentificationCode"</li> <li>• PartyIdentifier = the code itself</li> <li>• Other PartyIdentifier – PartyIdentifierType content can be sent in addition to the BankIdentificationCode to support other Use Cases.</li> <li>• RemitToParty - Not included in message</li> </ul>

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### Scenario B

<b>Message</b>	Invoice, Type = "Regular"
<b>Business Scenario</b>	<p>Regular invoice sent to customer with payment to a another party</p> <pre> sequenceDiagram     participant S as :SupplierParty     participant B as :BuyerParty     S-&gt;&gt;B: Receive Invoice()     B--&gt;&gt;S: BusinessAcknowledgement     </pre>
<b>Scenario Outcome</b>	Invoice is entered into the Supplier's system. Payment is made to another party.
<b>Initiator</b>	Supplier
<b>Receiver</b>	Buyer
<b>Preconditions</b>	This Use Case assumes the Supplier has previously sent material to the Buyer (this precondition is not applicable with a PrePayment Invoice),
<b>Trigger</b>	Material shipment
<b>Step 1</b>	<p>Supplier sends a regular invoice to the Buyer. The Invoice message does not contain any statuses. Additional information sent with message.</p> <ul style="list-style-type: none"> <li>• InvoiceType = "Invoice"</li> </ul> <p>SupplierParty contains normal address information for the supplier.</p> <p>RemitToParty</p> <ul style="list-style-type: none"> <li>• PartyIdentifierType = "BankIdentificationCode"</li> <li>• PartyIdentifier = the code itself</li> <li>• Other PartyIdentifier – PartyIdentifierType content can be sent in addition to the BankIdentificationCode to support other Use Cases.</li> </ul>

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### Scenario C

<b>Message</b>	Invoice, Type = "Regular"
<b>Business Scenario</b>	<p>Delivery cancelled after invoice is communicated to buyer. An alternative could be that the invoice is created in error.</p> <pre> sequenceDiagram     participant S as : SupplierParty     participant B as : BuyerParty     S-&gt;&gt;B: Receive Invoice     B--&gt;S: BusinessAcknowledgement     S-&gt;&gt;B: Receive CreditMemo()     B--&gt;S: BusinessAcknowledgement     </pre>
<b>Outcome</b>	Invoice is entered into the Buyer's system and a Credit Memo is required to offset it.
<b>Initiator</b>	Supplier
<b>Receiver</b>	Buyer
<b>Preconditions</b>	
<b>Trigger</b>	
<b>Step 1</b>	Supplier sends an Invoice to the Buyer The exact nature of the invoice is not relevant
<b>Step 2</b>	Supplier initiates a manual Credit Memo papiNet Credit Memo message added in Version 1.1

## Invoice Documentation - papiNet Standard - Version 2.10

### Scenario D

<b>Message</b>	Invoice
<b>Message Type</b>	Regular
<b>Business Scenario</b>	<p>Invoice for a call-off</p> <p>When invoicing a Call-Off the Purchase Order will be referenced.</p>
<b>Outcome</b>	Invoice is entered into the Buyer's system.
<b>Initiator</b>	Supplier
<b>Receiver</b>	Buyer
<b>Preconditions</b>	Call-off message initiated shipment
<b>Trigger</b>	Delivery Message
<b>Step 1</b>	Buyer sends a CallOff to the Supplier.
<b>Step 2</b>	Supplier responds with a CallOffConfirmation.
<b>Step 3</b>	Supplier sends the delivery along with a DeliveryMessage.
<b>Step 4</b>	Supplier sends a regular invoice to the Buyer. The Invoice message does not contain any statuses. Additional information sent with message.

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	<ul style="list-style-type: none"><li>• InvoiceType = "Invoice"</li><li>• SupplierParty contains normal address information for the supplier along with bank information, if appropriate.</li><li>• PurchaseOrderInformation indicates the purchase order against which the material was shipped. (A call-off message does not need to communicate a purchase order number.)</li></ul>
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