



**NEHTA Standard Message
Implementation Guidelines for Health
eProcurement**

Part 4: GS1 XML Invoice Messages

Version 1.5 - 08/06/2010

Final

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Version Control

Version	Nature of Change/Comments
1.5	<p>NEHTA Standard Message Implementation Guidelines for Health e-Procurement updated to support Version 2.6 of the GS1 XML standards.</p> <p>Version 1.0 of the NEHTA Standard Message Implementation Guidelines based on Version 2.4 of the GS1 XML standards.</p> <p>Principal version 1.5 changes</p> <ul style="list-style-type: none"> • New codes added for data type allowanceChargeType <ul style="list-style-type: none"> WAREHOUSE_AMOUNT ULLAGE_AMOUNT QUANTITY_DISCOUNT TRADE_DISCOUNT VOLUME_DISCOUNT EARLY_PAYMENT SPECIAL_HANDLING PALLET_CHARGE FUEL_CHARGE • Element shipTo data type ShipToLogistics replaced by element ShipToLogistics. New element shipTo added with simple data type PartyIdentificationType. Refer Ship To section • Additional code added for paymentTermsType <ul style="list-style-type: none"> PEANALTY_TERMS • Additional code added for invoiceTypeCodeList <ul style="list-style-type: none"> SELF_BILLED_CREDIT_NOTE • Add missing elements

Table of contents

1	Introduction	7
1.1	Format – Data Sections	7
1.2	XML Document Structure and Layers.....	8
1.3	Global Trade Item Numbers - GTINs	9
1.4	Reference documents.....	9
2	Operational Context	10
2.1	Relationships with Source Documents	10
2.2	Goods and Services Tax (GST)	10
2.3	Overview of Financial Elements	11
2.3.1	Financial Elements	11
2.4	Discounts	14
2.5	Australian Business Number (ABN)	14
3	Header Elements	15
3.1	Header Version	15
3.2	Sender	16
3.3	Authority	16
3.4	Sender Name	17
3.5	Sender Email Address	18
3.6	Sender Fax Number	18
3.7	Sender Phone Number	19
3.8	Receiver	20
3.9	Authority	20
3.10	Receiver Name	21
3.11	Receiver Email Address	22
3.12	Receiver Fax Number	22
3.13	Receiver Phone Number	23
3.14	Message Document Standard	24
3.15	Message Document Type Version.....	25
3.16	Message Document Identification	25
3.17	Message Document Type	26
3.18	Message Document Multiple Types Included.....	27
3.19	Message Document Creation Date	28
3.20	Business Scope Type.....	28
3.21	Business Scope Identifier.....	29
3.22	<any>	29
4	Message Layer Elements	31
4.1	Message.....	32
4.1.1	Message: <any>	32
4.1.2	Message: Identifier	32
4.1.3	Message: Owner.....	33
4.2	Transaction.....	34
4.2.1	Transaction: Command	34
4.2.2	Transaction: Identifier	34
4.2.3	Transaction: Owner	35
4.3	Document Command	36
4.3.1	Document Command element	36
4.3.2	Document Command: Business Document	36
4.3.3	Document Command: Type.....	37

4.3.4	Document Command: Identifier.....	38
4.3.5	Document Command: Owner	39
5	Business Document Layer Message Elements.....	40
5.1	Invoice Creation Date and Time	40
5.2	Document Status.....	41
5.3	Invoice Number.....	42
5.4	Invoice Content Owner.....	43
5.5	Currency	44
5.6	Invoice Type	45
5.7	Remit To	46
5.7.1	Global Location Number.....	46
5.8	Buyer.....	47
5.8.1	Global Location Number.....	47
5.8.2	Buyer Account Number.....	47
5.8.3	Buyer Account Type	48
5.8.4	Buyer ABN	49
5.9	Seller	49
5.9.1	Global Location Number.....	49
5.9.2	Seller Account Number	50
5.9.3	Seller Account Type	50
5.9.4	Seller ABN	51
5.10	Ship To Logistics	52
5.10.1	Ship To (Party).....	52
5.11	Invoice Header Allowances and Charges.....	52
5.11.1	Allowance Or Charge.....	53
5.11.2	Amount	53
5.11.3	Charge Type	54
5.11.4	Tax Type	55
5.11.5	Taxable Amount	56
5.11.6	Tax Amount	57
5.11.7	Tax Rate.....	57
5.12	Payment Terms	58
5.12.1	Nett Payment.....	59
5.12.2	Payment Method.....	60
5.12.3	Payment Type	60
5.12.4	Payment Event	61
5.12.5	Discount Time/Period	62
5.12.6	Discount Type	63
5.12.7	Discount Amount	64
5.12.8	Discount Currency	65
5.13	Line Number	66
5.14	Trade Item Identification	71
5.14.1	Global Trade Item Number.....	71
5.14.2	Buyer's Product Code	74
5.14.3	Supplier's Product Code.....	74
5.14.4	Additional Trade Item Identification Type.....	75
5.15	Transfer of Ownership Date	75
5.16	Quantity Invoiced	76
5.17	Unit of Measure Invoiced	77
5.18	Quantity Delivered.....	77
5.19	Unit of Measure Delivered.....	78
5.20	Purchase Order Details.....	78
5.20.1	Order Number - PO Line Number not required	79
5.20.2	Order Date - PO Line Number not required	80
5.20.3	Order Owner - PO Line Number not required	80

5.20.4	Order Number - PO Line Number Required	81
5.20.5	Order Date - PO Line Number Required	82
5.20.6	Order Owner - PO Line Number Required	83
5.20.7	Order Line Number - PO Line Number Required	83
5.21	Invoice Details	84
5.21.1	Invoice Number - Invoice Line Number not required	85
5.21.2	Invoice Date - Invoice Line Number not required	85
5.21.3	Invoice Owner - Invoice Line Number not required.....	86
5.21.4	Invoice Number - Invoice Line Number Required	87
5.21.5	Invoice Date - Invoice Line Number Required	88
5.21.6	Invoice Owner - Invoice Line Number Required	88
5.21.7	Invoice Line Number - Invoice Line Number Required....	89
5.22	Delivery Note/Despatch Advice.....	90
5.22.1	Delivery Note Number	90
5.22.2	Delivery Note Date/Time	90
5.22.3	Despatch Advice Number.....	91
5.22.4	Despatch Advice Date/Time	92
5.22.5	Despatch Advice Line Number	93
5.22.6	Despatch Advice Owner.....	94
5.23	Invoice Line Allowances and Charges	94
5.23.1	Amount	99
5.23.2	Charge Type	100
5.23.3	Allowance or Charge	101
5.23.4	Tax Type	102
5.23.5	Taxable Amount	103
5.23.6	Tax Amount	104
5.23.7	Tax Rate.....	104
5.24	Purchase Conditions.....	105
5.24.1	Document Reference Unique Identifier	105
5.24.2	Document Reference Date	106
5.24.3	Content Owner	107
5.24.4	Document Line Reference Number	108
5.25	Invoice Line Tax	109
5.25.1	Tax Type	109
5.25.2	Taxable Amount	110
5.25.3	Tax Amount	111
5.25.4	Tax Rate.....	112
5.26	Unit Price	113
5.27	Item Amount ex GST	117
5.28	Item Amount including Charges/Allowances ex GST.....	122
5.29	Item Amount including Charges/Allowances/GST.....	127
5.30	Item Amount including GST, ex Charges/Allowances.....	128
5.31	Total Invoice Amount.....	129
5.32	Total Invoice Amount Payable	130
5.33	Total Tax Amount	131
5.34	Order Identification.....	132
6	The Minimum Schema	133
7	References	135

1 Introduction

This document describes the elements of the GS1 XML Invoice (version 2.6) message that shall be used by Australia's Public Health Jurisdictions for Invoices, Credit Notes, and Debit Notes, and is intended for technical staff that has the responsibility of implementing these messages in their local systems. This information shall assist technical staff to correctly populate or parse the Invoice, Credit Note, and Debit Note messages.

It is presumed that readers have an understanding of XML and an overview of the messages and data sets defined in Australian Standard AS5023 and the structure of the messages defined in GS1 XML.

The GS1 XML data elements in this document are limited to those which have an equivalent in, or are related to, the AS5023 standard for Health Supply Chain Messaging.

The cardinality listed is the cardinality of the actual element or attribute at the lowest level. Higher level elements need to be taken into consideration in determining whether the element is required in a particular circumstance.

Note also that the constraints listed in this document are based on technical rules. Business rules may impose additional constraints.

1.1 Format – Data Sections

In the following sections the table cells are colour coded as follows:

AS5023 related information is yellow
Basic GS1 XML information is green
Constraint information is blue
Co-requisite and optional elements are unshaded

The table headings are:

- **AS5023 Reference** – This provides a link to the specific data element in the AS5023.2-2003 document.
 - **Section:** This shall be one of 'Header', 'Detail', or 'End of Message' as per the headings of the major tables for each data set in the AS5023 document.
 - **Group:** The title in the first column of the AS5023 table.
 - **Element:** The Element name as given in the third column of the AS5023 table.
- **Description/Comment** – This is a transcription of parts of the Description and Comments columns from the AS5023 table where they help clarify the intent of the data element.
- **GS1 XML path** – Is pseudo XPath that shall assist in locating the element within the XML tree. Prefixes etc. are specifically excluded for the sake of simplification.
- **Basic Type** – 'Attribute', 'Element', or 'Complex Type'. If it is a Complex Type, then typically there shall be a subsection

following that identifies the Attributes and Elements of that Complex Type.

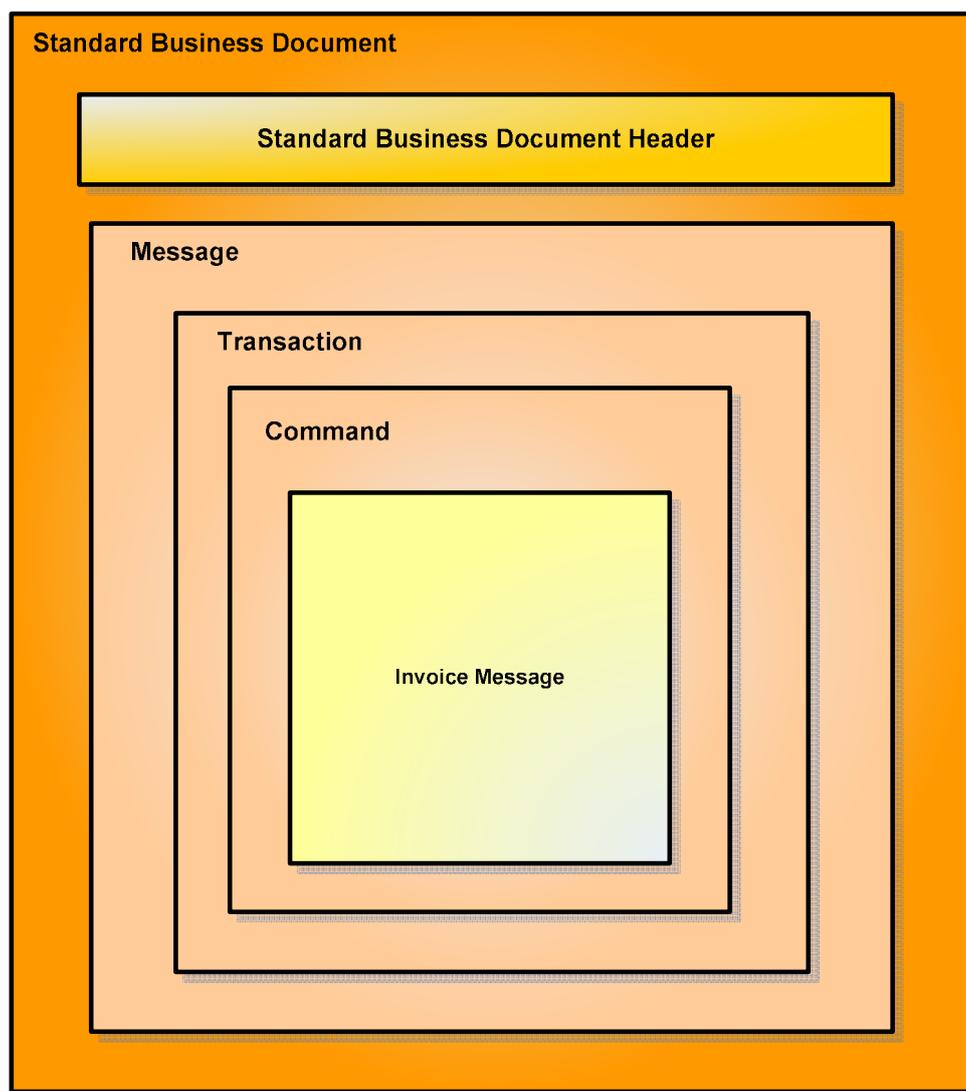
- **Comments** – Other information that shall assist in the population of the data element, in some cases, the source of these comments comes from NEHTA documents.
- **Schema Constraints** – Any restrictions on the use of the data element, sometimes these constraints are inherent within the schema. Sometimes they are external rules imposed by GS1 or NEHTA standards.
 - **Mandatory** An item can be mandatory based on external GS1 or NEHTA rules in addition to the schema rules.
 - **Data Type** Where possible, this is the simple XML data type. In some cases, it is the Complex Type with further details of the component attributes and elements provided in other sections of the document.
 - **Cardinality** The cardinality of the specific element. Note that the cardinality of parent elements also influences how the element is used.
 - **Other constraints** are listed following the Cardinality restraint. For example, the allowable values of a list element.
- **Co-requisites** – This is other elements and attributes which shall be used if this element is used. The data type is listed after the name of the element/attribute.
- **Optional Elements** – Other data elements and attributes which MAY be used if this element is used. The data type is listed after the name of the element/attribute.

When related elements are referred to, particularly in the Co-requisites and Optional Elements sections, a functional bias has been taken in deciding which elements to include or exclude.

1.2 XML Document Structure and Layers

The Invoice Message elements shall be wrapped in the Message Layer elements: message, transaction, and command. In turn, the Message Layer elements shall be wrapped in the UN/CEFACT Standard Business Document. Details of these elements are given Header Elements section. AS5023 information is not relevant to the Header or Message Layer elements.

The following diagram shows the relationship between the Header elements, Message Layer elements, and the Invoice Message elements.



1.3 Global Trade Item Numbers - GTINs

Global Trade Item Numbers are used extensively to identify items. This field shall contain a 14 digit number, so a 'filler 0' shall be added to the front of the number if they are 8, 12, or 13 digit GTINs. For example, 9312345678901 shall become 09312345678901. This does not change the number at all, it is simply a non-significant digit added so this shall pass schema validation.

1.4 Reference documents

The information in this document is based the documents identified in the Reference Section at the end of this document.

2 Operational Context

This section provides some key background information on the way that Invoices, Credit Notes, and Debit Notes may operate which have an impact on the way the messages are constructed.

2.1 Relationships with Source Documents

Invoices, Credit and Debit Notes are all usually initiated by other source documents such as Purchase Orders, Delivery Notes etc.

In most cases, they shall relate to only one source document, but not always. For example, an invoice can relate to multiple Purchase Orders where the buyer places multiple orders during the month but the seller invoices only once a month. Similarly for Credit Notes there could be a price adjustment for an item that covers multiple orders, deliveries, and/or invoices.

This guideline allows for multiple sources to be identified in the document by specifying that the source documents are identified at line level.

2.2 Goods and Services Tax (GST)

NOTE: The following is not legal or accounting advice. Taxation legislation and rules are constantly changing and it is the responsibility of those implementing the Invoice message to ensure that they comply with, and remain compliant with, the current taxation laws and regulations. Changes to tax legislation, rules, and/or interpretations may also require changes to the way the invoice message is processed.

The VAT fields shall be used to process the GST requirements. In most cases where the GS1 XML schema refers to 'VAT' or 'Value Added Tax', it can be considered as synonyms for 'GST' and 'Goods and Services Tax'.

For accounting purposes, there are four types of GST situations to consider in this context, and one of the implications is that the situation where a VAT code is given and the amount = 0 is actually valid. The four situations are:

1. GST charged at the full 10% - the normal situation.
2. GST charged on only part of the price. This typically happens with insurance and similar transactions, and sometimes with food.
3. No GST is charged but the transaction is reportable on the Business Activity Statement (BAS). This is the standard GST exempt situation, e.g. government charges.
4. No GST is charged and the transaction is not reportable on the BAS. This is a more esoteric situation which may not even occur and usually involves a type of 'transfer' of money rather than the actual payment. A typical case is where the goods are paid for via credit card or corporate card. The original purchase of the items attracts GST, but the payment of the credit card or

corporate card does not, otherwise GST would be paid twice.
This could also happen with deposits and consignment stock.

The process for handling these situations in the current Invoice schema is:

Situation	dutyTaxFeeType	taxableAmount	taxAmount	taxPercentage	Comments
Full GST	VALUE_ADDED_TAX	Full value of the item	10% of item value	10%	
Part GST	VALUE_ADDED_TAX	Taxable value of the item only	Actual tax amount	10%	Either mechanism for partial GST is acceptable to ATO.
	VALUE_ADDED_TAX	Full value of the item	Actual tax amount	Proportional percentage	
GST Exempt	VALUE_ADDED_TAX	Full value of the item	0	0%	Used to collect data for the BAS.
Not Reportable	not used	not used	not used	not used	

Note: In the Supply Chain context, it is quite possible that the 'Not Reportable' case shall never be seen. However, this process allows for it if it does occur, and explains why 'GST Exempt' is constructed the way it is.

2.3 Overview of Financial Elements

There are multiple valid ways to structure the data on an invoice as the inter-relationships between them mean that some of the data can be derived from others. For example, the total item price is the extended prices of the item plus GST. If any two of those are known, the third can be derived. Unfortunately there is no standard or common practice for determining which elements are included and which are excluded from an invoice, and a lot depends on the point of view of the person using the data. For example, because a business can claim back GST, the true cost of an item is seen as the extended price ex GST. For a consumer however, the true cost of the item is the extended price including GST.

To assist in mapping the financial elements, a large superset of all the financial elements likely to be found on an invoice have been included in this guide. The actual elements used in the Invoice message shall be a subset of these financial elements, based on actual usage, so it is unlikely that every element listed here shall appear on a single invoice. If they are used, however, they shall be used in accordance with this guideline so that there is a consistent understanding of each element and how is it used, which shall allow easier updates to the mappings for future requirements.

2.3.1 Financial Elements

Below are the financial elements from a 'representative' invoice and their mapping to the respective GS1 XML Invoice message elements. The 'representative' invoice is one that includes all the elements likely to be encountered across the full range of invoices that are processed,

and includes multiple scenarios involving Allowances and Charges, and GST.

Note also that Allowances and Charges are not expected to have a 'quantity' - just a value. If a charge is based on a quantity calculation, e.g. freight = weight x rate, then this calculation should be performed external to the Invoice message and the result itself used in the message. For example, if freight is calculated at \$1.50 per kg for a 5kg parcel, then the value used as the freight charge in the invoice message would be \$7.50 (\$1.50 x 5).

The values for Allowances and Charges are always positive values. If using them in a calculation, the value of *invoiceAllowanceOrChargeType* should be used to determine whether to add or subtract the value. Allowances decrease the value of an invoice. Charges increase the value of an invoice.

Item	Qty	Unit Price	Ext. Price ex GST	Taxable Amount	GST Rate	GST Amount	Ext. Price inc GST
Item A	5 ⁽¹⁾	15.20 ⁽²⁾	76.00 ⁽³⁾	76.00 ⁽⁴⁾	10% ⁽⁵⁾	7.60 ⁽⁶⁾	83.60 ⁽⁷⁾
	Insurance ⁽⁸⁾		6.50 ⁽⁹⁾	5.50 ⁽¹⁰⁾	10% ⁽¹¹⁾	0.65 ⁽¹²⁾	7.05
	5% Trade Disc. (Allowance) ⁽¹³⁾		3.80 ⁽⁹⁾	3.80 ⁽¹⁰⁾	10% ⁽¹¹⁾	0.38 ⁽¹²⁾	4.18
Item Subtotal			86.30⁽¹⁴⁾	85.30		8.53	94.83⁽¹⁵⁾
Item B	...						
Item C	...						
<i>Invoice Charges</i>							
	Shipping		12.00 ⁽¹⁶⁾	12.00 ⁽¹⁷⁾	10% ⁽¹⁸⁾	1.20 ⁽¹⁹⁾	13.20
	Gov't Charge		5.00 ⁽¹⁶⁾	5.00 ⁽¹⁷⁾	0% ⁽²⁰⁾	0.00 ⁽¹⁹⁾	5.00
Total			103.30⁽²¹⁾	97.30⁽²²⁾		9.73⁽²³⁾	113.03⁽²⁴⁾

This table provides comments that are relevant to an overview of these elements. Refer to the section on each specific element for detailed information. The first line in the Notes and Clarification cell identifies the Invoice message element which holds the data. The second line describes the data itself, often as a calculation in terms of the other elements. This is for clarification purposes only, and the actual source of the data shall depend on the system supplying the data.

Elements without a reference are not implemented using this schema/guideline. If they are required, they can be derived from other values.

Note	Element	Notes and Clarifications
1	Quantity	invoiceLineItem→invoicedQuantity→value This is the quantity actually being invoiced, which may be different to the quantity ordered or delivered.
2	Item Unit Price	invoiceLineItem→itemPriceExclusiveAllowancesCharges This is the absolute 'bare bones' price without any other allowances or charges or GST etc.

Note	Element	Notes and Clarifications
3	Extended Price ex GST	invoiceLineItem→amountExclusive→AllowancesCharges <i>Calc:</i> = (1) x (2)
4	Taxable Amount	invoiceLineItem→invoiceLineTaxInformation→ taxableamount This is the value of the item used for calculating GST. Unless the item is partially taxed, this shall be (3)
5	Item GST Rate	invoiceLineItem→invoiceLineTaxInformation→ taxPercentage Refer to Section 2.2 Goods and Services Tax (GST for details.
6	Item GST Amount	invoiceLineItem→invoiceLineTaxInformation→taxAmount <i>Calc:</i> = (4) x (5)
7	Item Extended Price inc GST	invoiceLineItem→invoiceLineInformationAfterTaxes→ amountExclusiveAllowancesCharges <i>Calc:</i> = (3) + (6)
8	Insurance	This is a 'charge' and shall increase the total value of the invoice. Note that this item is only partially taxed.
9	Item Charge Amount	invoiceLineItem→invoiceAllowanceCharge→ invoiceAllowanceChargeAmount The amount of the charge ex GST. This is a charge that applies only to a specific line item.
10	Item Charge Taxable Amount	invoiceLineItem→invoiceAllowanceCharge→ invoiceTaxInformation→taxableAmount This is the value of the charge used for calculating GST. Unless the item is partially taxed, this shall be (9)
11	Item Charge GST Rate	invoiceLineItem→invoiceAllowanceCharge→ invoiceTaxInformation→taxPercentage Refer to Section 2.2 for details.
12	Item Charge GST Amount	invoiceLineItem→invoiceAllowanceCharge→ invoiceTaxInformation→taxAmount <i>Calc:</i> = (10) x (11)
13	Trade Discount	An 'allowance' and shall reduce the total value of the invoice.
14	Item Total ex GST	invoiceLineItem→amountInclusiveAllowancesCharges <i>Calc:</i> = (3) + sum(9)
15	Item Total inc GST	invoiceLineItem→invoiceLineItemInformationAftertaxes→ amountInclusiveAllowancesCharges <i>Calc:</i> = (14) + (6) + sum(12)
16	Invoice Charge Amount	invoiceAllowanceCharge→invoiceAllowanceChargeAmount The amount of the charge ex GST. This is a charge that applies to the whole invoice.
17	Invoice Charge Taxable Amount	invoiceAllowanceCharge→invoiceTaxInformation→ taxableAmount This is the value of the charge used for calculating GST. Unless the item is partially taxed, this shall be (16)

Note	Element	Notes and Clarifications
18	Invoice Charge GST Rate	invoiceAllowanceCharge→invoiceTaxInformation→taxPercentage Refer to Section 2.2 for details.
19	Invoice Charge GST Amount	invoiceAllowanceCharge→invoiceTaxInformation→ taxAmount Calc: (17) x (18)
20		This is a GST free item. Refer to Section 2.2 Goods and Services Tax (GST for details).
21	Invoice Total ex GST	invoiceTotals→totalInvoiceAmount Calc: sum(14) + sum(16)
22	Invoice Taxable Amount	invoiceTotals→taxSubtotal→taxableAmount Calc: sum(4) + sum(10) + sum(17)
23	Invoice GST Amount	invoiceTotals→taxSubtotal→taxAmount Calc: sum(6) + sum(12) + sum(19)
24	Invoice Total inc GST	invoiceTotal→totalInvoiceAmountPayable Calc: (21) + (23)

2.4 Discounts

There are two structures available for discounts in the Invoice message - the *invoiceAllowancesCharge* element, and in the *discountPayment* element in the *paymentTerms* structure. The *invoiceAllowancesCharge* element shall always be used as it is available at both header and line level, and is the only structure that allows GST calculations relating to the discount.

In some cases, the *discountPayment* element may also be used to provide additional information on timing etc. related to the discount. This can only occur at the header level because this element is not available at line level. If the *discountPayment* element is used, the value for *discountType* should match the value for *invoiceAllowanceChargeType* so that it is clear which discount the additional information applies to.

2.5 Australian Business Number (ABN)

The ABN is required on several documents such as the Purchase Order and Invoice for legal reasons.

3 Header Elements

In this section, the GS1 XML path root is:

StandardBusinessDocument

(XPath: StandardBusinessDocument)

All XML paths shall assume this starting point unless otherwise stated.

The Standard Business Document Header schema is specified by UN/CEFACT, and used by GS1 to envelope the business documents such as the Invoice. GS1 has specified additional constraints to those in the UN/CEFACT schema when being used in the GS1 XML context. NEHTA has further specified additional constraints to both of these for use in Health Sector Supply Chain messaging.

3.1 Header Version

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→HeaderVersion		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the version number of the SBDH standard.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes – GS1 constraint.		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	shall be set to '1.0'		
<i>Co-requisites</i>	StandardBusinessDocumentHeader→Sender (<i>Partner</i>) StandardBusinessDocumentHeader→Receiver (<i>Partner</i>) StandardBusinessDocumentHeader→DocumentIdentification (<i>DocumentIdentification</i>) StandardBusinessDocumentHeader→BusinessScope (<i>BusinessScope</i>)		
<i>Optional Elements</i>			

3.2 Sender

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i> Sender
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→Identifier→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 places additional constraints on the original UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..*		
	Only – <u>one</u> Sender element can be used even though the schema allows for multiple elements. The Sender Identifier shall be the GLN of the sending organisation.		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender) →Identifier→Authority (<i>Attribute - string</i>) →ContactInformation→Contact (<i>string</i>) →ContactInformation→EmailAddress (<i>string</i>) →ContactInformation→FaxNumber (<i>string</i>) →ContactInformation→TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	(Relative to StandardBusinessDocumentHeader→Sender) →ContactInformation→ContactTypeIdentifier (<i>string</i>)		

3.3 Authority

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→Identifier→Authority		
<i>Basic Type</i>	Attribute		

<i>Comments</i>	This attribute shall be used according to GS1 standards.
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
	shall be set to 'EAN.UCC'
<i>Co-requisites</i>	None
<i>Optional Elements</i>	None

3.4 Sender Name

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→Contact		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element is conditionally required if ContactInformation is used as per UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Department and/or job title of technical contact in the sending organisation that is able to address issues concerning message delivery. Shall not contain the name of an individual.		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →EmailAddress (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.5 Sender Email Address

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→EmailAddress		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Email address of technical contact in the sending organisation that is able to address issues concerning message delivery. Shall not contain Personally Identifiable Information (PII).		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.6 Sender Fax Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→FaxNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		

	<i>Cardinality:</i> 0..1
	Fax number of technical contact in the sending organisation that is able to address issues concerning message delivery.
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (<i>string</i>) →EmailAddress (<i>string</i>) →TelephoneNumber (<i>string</i>)
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)

3.7 Sender Phone Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→ TelephoneNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Phone number of technical contact in the sending organisation that is able to address issues concerning message delivery.		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (<i>string</i>) →EmailAddress (<i>string</i>) →FaxNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.8 Receiver

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→Identifier		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	Mandatory: Yes		
	Data Type: Global Location Number		
	Cardinality: 1..*		
	Only <u>one</u> Receiver element can be used even though the schema allows for multiple elements. The Receiver Identifier shall be the GLN of the sending organisation.		
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver) →Identifier→Authority (<i>Attribute - string</i>) →ContactInformation→Contact (<i>string</i>) →ContactInformation→EmailAddress (<i>string</i>) →ContactInformation→FaxNumber (<i>string</i>) →ContactInformation→TelephoneNumber (<i>string</i>)		
Optional Elements	(Relative to StandardBusinessDocumentHeader→Receiver) →ContactInformation→ContactTypeIdentifier (<i>string</i>)		

3.9 Authority

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→Identifier→Authority		
Basic Type	Attribute		

<i>Comments</i>	This attribute shall be used according to GS1 standards.
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
	shall be set to 'EAN.UCC'
<i>Co-requisites</i>	None
<i>Optional Elements</i>	None

3.10 Receiver Name

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element is mandatory if ContactInformation is used as per UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Department and/or job title of technical contact in the receiving organisation that is able to address issues concerning message delivery. Shall not contain Personally Identifiable Information (PII).		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →EmailAddress (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.11 Receiver Email Address

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→ContactInformation→EmailAddress		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Email address of technical contact in the receiving organisation that is able to address issues concerning message delivery. Shall not contain Personally Identifiable Information (PII).		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.12 Receiver Fax Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→ContactInformation→FaxNumber		
<i>Basic Type</i>	Element		

<i>Comments</i>	Optional in UN/CEFACT schema definition.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> string
	<i>Cardinality:</i> 0..1
	Fax number of technical contact in the receiving organisation that is able to address issues concerning message delivery.
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact (<i>string</i>) →EmailAddress (<i>string</i>) →TelephoneNumber (<i>string</i>)
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)

3.13 Receiver Phone Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→ContactInformation→ TelephoneNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
	Phone number of technical contact in the receiving organisation that is able to address issues concerning message delivery.		

<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact (<i>string</i>) →EmailAddress (<i>string</i>) →FaxNumber (<i>string</i>)
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)

3.14 Message Document Standard

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→DocumentIdentification→Standard		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 places additional constraints on the original UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	shall be set to 'EAN.UCC'		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)		
<i>Optional Elements</i>	None		

3.15 Message Document Type Version

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	shall be set to the version number of the invoice schema e.g. '2.6'		
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)		
Optional Elements	None		

3.16 Message Document Identification

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		

Schema Constraints	<i>Mandatory:</i> Yes
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
	This element shall uniquely identify the instance of the Standard Business Document. No two transmissions shall have the same identifier regardless of the type of business document contained, or if a specific business document is transmitted multiple times. This element is used to identify the whole message being transmitted, not the business document contained within the message.
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (<i>string</i>) →TypeVersion (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)
Optional Elements	None

3.17 Message Document Type

AS5023 Reference	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→Type		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	Shall be set to 'invoice'. (The name of the root element in the payload document.)		

<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (<i>string</i>) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)
<i>Optional Elements</i>	None

3.18 Message Document Multiple Types Included

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→DocumentIdentification→MultipleType		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 places additional constraints on the original UN/CEFACT schema definition.		
<i>Schema Constraints</i>	Mandatory: Yes		
	Data Type: boolean		
	Cardinality: 1..1		
	shall be set to 'false'. (NEHTA standard – only one business document may be sent per transmission.)		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (<i>string</i>) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →CreationDateAndTime (<i>dateTime</i>)		
<i>Optional Elements</i>	None		

3.19 Message Document Creation Date

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→CreationDateAndTime		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	Mandatory: Yes		
	Data Type: dateTime		
	Cardinality: 1..1		
	Shall be set to the date and time that the source Invoice was approved/verified in the original system.		
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (<i>string</i>) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>)		
Optional Elements	None		

3.20 Business Scope Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→BusinessScope→Scope→Type		
Basic Type	Element		
Comments	NEHTA standards mandate the use of this element although it is optional in the UN/CEFACT schema definition.		

<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
	Shall be set to 'NEHTA:E-Procurement'
<i>Co-requisites</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier
<i>Optional Elements</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier

3.21 Business Scope Identifier

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier		
<i>Basic Type</i>	Element		
<i>Comments</i>	NEHTA standards mandate the use of this element although it is optional in the UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	Shall be set to '1.5' which is the current version of this guideline.		
<i>Co-requisites</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→Type		
<i>Optional Elements</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier		

3.22 <any>

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			

<i>GS1 XML Path</i>	<any>
<i>Basic Type</i>	
<i>Comments</i>	This is the place holder for the GS1 XML constructs. It shall be replaced by the 'message' element from the Message Layer group of schema.
<i>Schema Constraints</i>	<i>Mandatory:</i>
	<i>Data Type:</i>
	<i>Cardinality:</i>
	Shall be replaced with 'message'. See the Message Layer section.
<i>Co-requisites</i>	StandardBusinessDocumentHeader
<i>Optional Elements</i>	None

4 Message Layer Elements

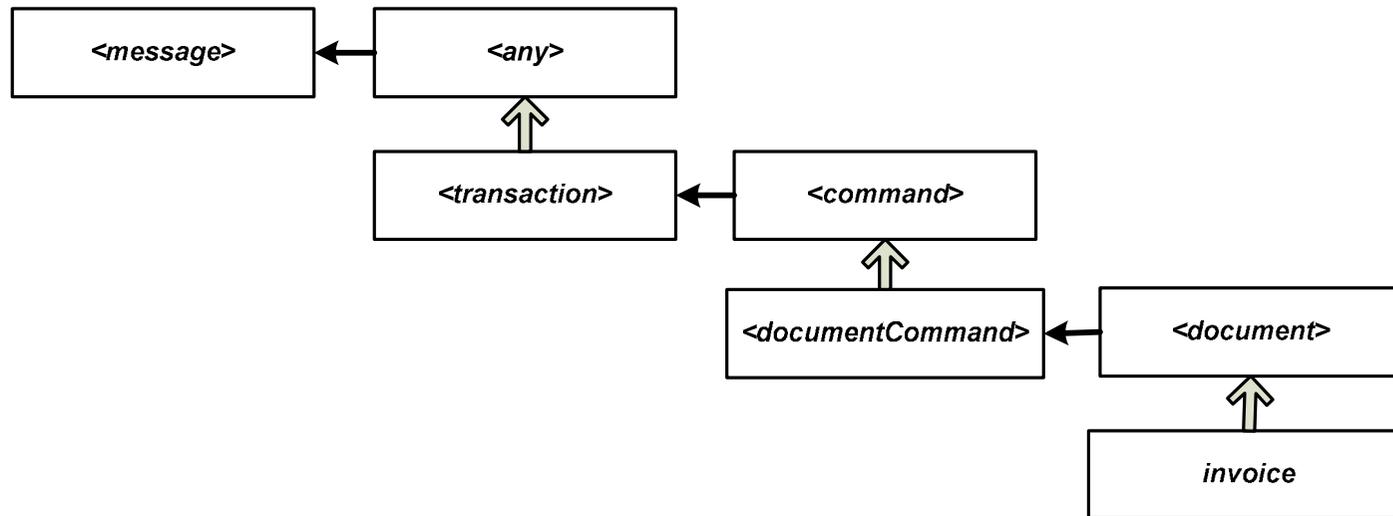
In this section, the GS1 XML path root is:

StandardBusinessDocument→message

(XPath: StandardBusinessDocument / eanucc:message)

All XML paths shall assume this starting point unless otherwise stated.

The Message Layer has three sub-layers. The lowest is the *documentCommand* element which wraps around the *invoice*. *invoice* replaces an abstract *document* element within the *documentCommand* element. The *documentCommand* element itself replaces an abstract *command* element in the *transaction* element. Finally, the *transaction* element replaces an *any* element in the *message* element. (Refer to [Standard Business Document Header \(SBDH\) Technical Implementation Guide](#) for further details on their usage.) In summary, the links between the layers are:



4.1 Message

4.1.1 Message: <any>

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	<any>		
<i>Basic Type</i>	XML type 'any'		
<i>Comments</i>	This is the place holder for the 'transaction' element.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> any		
	<i>Cardinality:</i> 1..1 (NEHTA requirement)		
	Cardinality as defined in the GS1 XML standard is 1..*		
<i>Co-requisites</i>	entityIdentification (<i>EntityIdentificationType</i>)		
<i>Optional Elements</i>	None		

4.1.2 Message: Identifier

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	entityIdentification→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	Shall be set to the INV Number as per the <i>uniqueCreatorIdentification</i> element in the invoice element. This is to allow messaging hubs etc. easy access to the PO number without having to decode the entire XML document. It is redundant information and is not required for processing by either the buyer or the seller. (Note: a prefix such as 'MSG' is one way to ensure it is distinct.)		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		

	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	(Relative to entityIdentification→contentOwner) →gln (<i>Global Location Number</i>)
<i>Optional Elements</i>	(Relative to entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

4.1.3 Message: Owner

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	entityIdentification→contentOwner→gln		
<i>Basic Type</i>			
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	entityIdentification→uniqueCreatorIdentification (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to entityIdentification→contentOwner) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

4.2 Transaction

4.2.1 Transaction: Command

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→‘command’		
<i>Basic Type</i>	abstract element		
<i>Comments</i>	This abstract element is replaced by the <i>documentCommand</i> element. (It is one of three elements in the command substitution group, and the one that is required for Invoices.)		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> command		
	<i>Cardinality:</i> 1..1		
	Cardinality as defined in the GS1 XML standard is 1..*		
<i>Co-requisites</i>	transaction→entityIdentification (<i>EntityIdentificationType</i>)		
<i>Optional Elements</i>	None		

4.2.2 Transaction: Identifier

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→entityIdentification→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	This identifies the transaction, and shall be distinct from all other identifiers used in the message. (Note: a prefix such as ‘TRA’ is one way to ensure it is distinct.)		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		

	Cardinality: 1..1
<i>Co-requisites</i>	(Relative to transaction→entityIdentification→contentOwner) →gln (<i>Global Location Number</i>)
<i>Optional Elements</i>	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

4.2.3 Transaction: Owner

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→entityIdentification→contentOwner→gln		
<i>Basic Type</i>			
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	transaction→entityIdentification→uniqueCreatorIdentification (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

4.3 Document Command

4.3.1 Document Command element

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→command→documentCommand		
<i>Basic Type</i>	Complex element		
<i>Comments</i>	This element replaces the <i>command</i> element in the <i>transaction</i> element. <i>documentCommand</i> is one element in the command substitution group.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> complex element		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	None		

4.3.2 Document Command: Business Document

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→command→documentCommand→documentCommandOperand→document		
<i>Basic Type</i>	abstract element		
<i>Comments</i>	This element is replaced with the Business Document payload i.e. invoice		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> abstract document		

	Cardinality: 1..1
	Cardinality as defined in the GS1 XML standard is 1..*
Co-requisites	(Relative to transaction→command→documentCommand→documentCommandHeader) →type (Attribute list) →uniqueCreatorIdentification (string) →contentOwner→gln (Global Location Number)
Optional Elements	(Relative to transaction→command→documentCommand→documentCommandHeader→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (string) →additionalPartyIdentification→additionalPartyIdentificationType (list)

4.3.3 Document Command: Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→type		
Basic Type	attribute		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: list		
	Cardinality: 1..1		
	Allowable values are: ADD CHANGE_BY_REFRESH CORRECT DELETE ADD shall be used when a new Invoice is sent. CHANGE_BY_REFRESH shall be used when an Invoice is being changed in any way. (This shall only be to correct technical errors. If an adjustment is made to an Invoice itself, then Credit or Debit Notes are issued.) CORRECT – shall NOT be used. DELETE shall be used when the Invoice is to be cancelled.		

<i>Co-requisites</i>	(Relative to transaction→command→documentCommand→documentCommandHeader) →uniqueCreatorIdentification (<i>string</i>) →contentOwner→gln (<i>Global Location Number</i>)
<i>Optional Elements</i>	(Relative to transaction→command→documentCommand→documentCommandHeader→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

4.3.4 Document Command: Identifier

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	This identifies the transaction, and shall be distinct from all other identifiers used in the message. (Note: a prefix such as ‘CMD’ is one way to ensure it is distinct.)		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to transaction→command→documentCommand→documentCommandHeader →entityIdentification→contentOwner) →gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

4.3.5 Document Command: Owner

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→entityIdentification→contentOwner→gln		
Basic Type			
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Co-requisites	transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification (Global Location Number)		
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (string) →additionalPartyIdentification→additionalPartyIdentificationType (list)		

5 Business Document Layer Message Elements

This layer covers the Invoice message.

In this section, the GS1 XML path root is:

StandardBusinessDocument→message→transaction→command→documentCommand→documentCommandOperand→invoice

(XPath: StandardBusinessDocument / eanucc:message / eanucc:transaction / command / eanucc:documentCommand / documentCommandOperand / pay:invoice)

All XML paths shall assume this starting point unless otherwise stated.

This section lists additional fields that are not explicitly mentioned in the AS5023 specification, but are related to those that are and do provide support for the AS5023 requirements, or are specified as mandatory by GS1.

Implementers should also ensure that messages comply with the current Australian Tax Office rules.

5.1 Invoice Creation Date and Time

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Invoice date and time
<i>Description/Comments</i>	Time is optional		
<i>GS1 XML Path</i>	creationDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	Time is mandatory in the XML data type, but can be all zeros.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> dateTime		
	<i>Cardinality:</i> 1..1		

<i>Co-requisites</i>	documentStatus (<i>list</i>) invoiceIdentification→uniqueCreatorIdentification (<i>string</i>) invoiceIdentification→contentOwner→gln (<i>Global Location Number</i>) invoiceCurrency→currencyISOCode (<i>string</i>) invoiceType (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotal→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.2 Document Status

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Document Status
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	documentStatus		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1..1		
	Allowable values are: COPY ORIGINAL REPLACE Unless there are specific instructions by the accountants, REPLACE shall NOT be used.		

<i>Co-requisites</i>	creationDateTime (<i>dateTime</i>) invoiceType (<i>list</i>) invoiceIdentification→uniqueCreatorIdentification (<i>string</i>) invoiceIdentification→contentOwner→gln (<i>Global Location Number</i>) invoiceCurrency→currencyISOCode (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotal→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.3 Invoice Number

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Opening</i>	<i>Element: Invoice Number</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceIdentification→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: Yes</i>		
	<i>Data Type: string</i>		
	<i>Cardinality: 1..1</i>		

<i>Co-requisites</i>	invoiceIdentification→contentOwner→gln (<i>Global Location Number</i>) creationDateTime (<i>dateTime</i>) documentStatus (<i>list</i>) invoiceType (<i>string</i>) invoiceCurrency→currencyISOCODE (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotal→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.4 Invoice Content Owner

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Invoice Content Owner
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceIdentification→contentOwner→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		

<i>Co-requisites</i>	invoiceIdentification→uniqueCreatorIdentification (<i>string</i>) creationDateTime (<i>dateTime</i>) documentStatus (<i>list</i>) invoiceType (<i>string</i>) invoiceCurrency→currencyISOCODE (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotal→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.5 Currency

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Payment	<i>Element:</i> Currency
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceCurrency→currencyISOCODE		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string - ISO 4217 code		
	<i>Cardinality:</i> 1..1		
	This shall be the alphabetic code as defined in ISO 4217. (Refer to the following web page for details: http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm)		

<i>Co-requisites</i>	invoiceType (<i>list</i>) creationDateTime (<i>dateTime</i>) documentStatus (<i>list</i>) invoiceIdentification→uniqueCreatorIdentification (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotals→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.6 Invoice Type

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Message Type
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceType		
<i>Basic Type</i>	Element		
<i>Comments</i>	Shall be one of 'TAX_INVOICE', 'CREDIT_NOTE', or 'DEBIT_NOTE'. If the document is to be identified as a Tax Invoice for legal purposes, this element shall be used.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1		
	Allowable values are: AGREED_TERMS CORRECTED_INVOICE CREDIT_NOTE	DEBIT_NOTE INVOICE PRO_FORMA_INVOICE SELF_BILLED_INVOICE	TAX_INVOICE SELF_BILLED_CREDIT_NOTE

<i>Co-requisites</i>	creationDateTime (<i>dateTime</i>) documentStatus (<i>list</i>) invoiceIdentification→uniqueCreatorIdentification (<i>string</i>) invoiceIdentification→contentOwner→gln (<i>Global Location Number</i>) invoiceCurrency→currencyISOCode (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>) seller→partyIdentification→gln (<i>Global Location Number</i>) invoiceLineItem (<i>InvoiceLineItemType</i>) invoiceTotals→totalInvoiceAmount (<i>float</i>) invoiceTotal→totalTaxAmount (<i>float</i>)
<i>Optional Elements</i>	All other elements

5.7 Remit To

5.7.1 Global Location Number

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party identification	<i>Element:</i> Remit To
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	remitTo→partyIdentification→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>			

<i>Optional Elements</i>	remitTo→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) remitTo→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)
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5.8 Buyer

5.8.1 Global Location Number

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party identification	<i>Element:</i> Buyer
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	buyer→partyIdentification→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	seller→partyIdentification→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	buyer→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) buyer→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.8.2 Buyer Account Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Buyer Details		
<i>GS1 XML Path</i>	buyer→accountNumber→number		
<i>Basic Type</i>	Element		

<i>Comments</i>	This shall be used for Credit Notes where the amount will be directly credited to the Buyer's Account.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	buyer→accountNumber→accountNumberType (<i>list</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>)
<i>Optional Elements</i>	buyer→comapnyRegistrationNumber (<i>string</i>) buyer→extension (<i>ExtensionType</i>)

5.8.3 Buyer Account Type

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Buyer Details		
<i>GS1 XML Path</i>	buyer→accountNumber→accountNumberType		
<i>Basic Type</i>	Element		
<i>Comments</i>	This shall typically be used for Credit Notes where the amount shall be directly credited to the Buyer's Account.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1..1		
	Allowable values are: 01_TIME_DEPOSIT 03_CHECKING_ACCOUNT 10_BUSINESS_ACCOUNT		
<i>Co-requisites</i>	buyer→accountNumber→number (<i>string</i>) buyer→partyIdentification→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	buyer→comapnyRegistrationNumber (<i>string</i>) buyer→extension (<i>ExtensionType</i>)		

5.8.4 Buyer ABN

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Buyer
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	buyer→companyRegistrationNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	buyer→partyIdentification→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	buyer→accountNumber (<i>AccountNumberType</i>) buyer→extension (<i>ExtensionType</i>)		

5.9 Seller

5.9.1 Global Location Number

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Seller
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	seller→partyIdentification→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		

	Cardinality: 1..1
Co-requisites	buyer→partyIdentification→gln (Global Location Number)
Optional Elements	seller→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationValue (string) seller→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationType (list)

5.9.2 Seller Account Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Seller Details		
GS1 XML Path	seller→accountNumber→number		
Basic Type	Element		
Comments	This shall be used where the seller requests an alternate account to their agreed account for payments.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	seller→accountNumber→accountNumberType (list) seller→partyIdentification→gln (Global Location Number)		
Optional Elements	seller→comapnyRegistrationNumber (string) seller→extension (ExtensionType)		

5.9.3 Seller Account Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Seller Details		

<i>GS1 XML Path</i>	seller→accountNumber→accountNumberType
<i>Basic Type</i>	Element
<i>Comments</i>	This shall be used where the seller requests an alternate account to their agreed account for payments.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> list
	<i>Cardinality:</i> 1..1
	Allowable values are: 01_TIME_DEPOSIT 03_CHECKING_ACCOUNT 10_BUSINESS_ACCOUNT
<i>Co-requisites</i>	seller→accountNumber→number (string) seller→partyIdentification→gln (Global Location Number)
<i>Optional Elements</i>	seller→companyRegistrationNumber (string) seller→extension (ExtensionType)

5.9.4 Seller ABN

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Supplier ABN
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	seller→companyRegistrationNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes - NEHTA requirement		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	seller→partyIdentification→gln (Global Location Number)		

<i>Optional Elements</i>	seller→accountNumber (<i>AccountNumberType</i>) seller→extension (<i>ExtensionType</i>)
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5.10 Ship To Logistics

5.10.1 Ship To (Party)

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Ship to Location
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	shipToLogistics→shipTo→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>	Schema v2.6 changes - for backward compatibility, v2.4 element ‘shipTo’ type ShipToLogistics renamed ‘shipToLogistics’. A new simple element ‘shipTo’ added with data type PartyIdentificationType.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
	Cardinality of <i>shipToLogistics</i> is 0..1 (This is the first <i>shipToLogistics</i> in the chain.)		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	shipToLogistics →shipTo→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) shipToLogistics →shipTo→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.11 Invoice Header Allowances and Charges

Allowances and Charges can also occur at the whole invoice level. The GS1 XML Invoice schema uses the same structure to record these - only the context is different. Note that the Allowances and Charges at the header level is not a summary of all the line level Allowances and Charges. This structure is used to record only those Allowances and Charges that apply to the invoice as a whole. For example, additional freight charges if the entire order exceeds a specified volume or weight.

The cardinality of *invoiceAllowanceCharge* is 0..*

5.11.1 Allowance Or Charge

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceAllowanceCharge→allowanceOrChargeType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	Allowable values are: ALLOWANCE CHARGE		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to invoiceAllowanceCharge) →invoiceAllowanceChargeAmount (<i>float</i>) →invoiceAllowanceChargeType (<i>AllowanceChargeListType</i>) →invoiceTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceAllowanceChargePercentage (<i>PercentageType</i>)		

5.11.2 Amount

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceAllowanceCharge→invoiceAllowanceChargeAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the full amount of the allowance, charge, or discount before GST.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		

	Cardinality: 0..1
	Cardinality of <i>invoiceAllowanceChargeAmount</i> is 0..*
Co-requisites	None
Optional Elements	(Relative to <i>invoiceAllowanceCharge</i>) → <i>invoiceAllowanceChargeType</i> (<i>AllowanceChargeListType</i>) → <i>invoiceAllowanceOrChargeType</i> (<i>AllowanceOrChargeListType</i>) → <i>invoiceTaxInformation</i> (<i>InvoiceTaxInformationType</i>)

5.11.3 Charge Type

AS5023 Reference	Section: Header	Group:	Element:
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	invoiceAllowanceCharge→allowanceChargeType		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	Allowable values are: ALLOWANCE_GLOBAL CHARGE_GLOBAL CONSOLIDATED FLAT_RATE FREIGHT_COSTS FREE_GOODS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES WAREHOUSE_AMOUNT ULLAGE_AMOUNT QUANTITY_DISCOUNT	TRADE_DISCOUNT VOLUME_DISCOUNT EARLY_PAYMENT SPECIAL_HANDLING PALLET_CHARGE FUEL_CHARGE
Co-requisites	None		

<i>Optional Elements</i>	(Relative to invoiceAllowanceCharge) →invoiceAllowanceChargeAmount (<i>float</i>) →invoiceAllowanceOrChargeType (<i>AllowanceOrChargeListType</i>) →invoiceTaxInformation (<i>InvoiceTaxInformationType</i>) → invoiceAllowanceChargePercentage (<i>PercentageType</i>)
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5.11.4 Tax Type

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceAllowanceCharge→invoiceTaxInformation→dutyTaxFeeType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 for details on which elements are required and how they are used in specific circumstances.		
<i>Co-requisites</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →taxAmount (<i>float</i>) →taxableAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.11.5 Taxable Amount

AS5023 Reference	Section: Header	Group:	Element:
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	invoiceAllowanceCharge→invoiceTaxInformation→taxableAmount		
Basic Type	Element		
Comments	<p>This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 for details on which elements are required and how they are used in specific circumstances. Value of the item on which the GST calculation is made. If the item attracts full GST or zero GST, then this shall be the unit price of the item. If the item attracts partial GST, then only that part of the unit price shall attract GST. If it is a non-reportable item, it shall be zero.</p>		
Schema Constraints	<p>Mandatory: No</p> <p>Data Type: float</p> <p>Cardinality: 0..1</p> <p>This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 Goods and Services Tax (GST) for details on which elements are required and how they are used in specific circumstances.</p>		
Co-requisites	<p>(Relative to invoiceAllowanceCharge→invoiceTaxInformation)</p> <ul style="list-style-type: none"> →dutyTaxFeeType (<i>list</i>) →taxAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>) 		
Optional Elements	<p>(Relative to invoiceAllowanceCharge→invoiceTaxInformation)</p> <ul style="list-style-type: none"> →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>) 		

5.11.6 Tax Amount

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceAllowanceCharge→invoiceTaxInformation→taxAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	<p>This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances. This is the actual amount of GST to be paid.</p> <p>Calculation: Taxable Amount of Allowance or Charge x GST rate.</p>		
<i>Co-requisites</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.11.7 Tax Rate

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		

<i>GS1 XML Path</i>	invoiceAllowanceCharge→invoiceTaxInformation→taxPercentage
<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> PercentageType
	<i>Cardinality:</i> 0..1
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 for details on which elements are required and how they are used in specific circumstances.
<i>Co-requisites</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxAmount (<i>float</i>)
<i>Optional Elements</i>	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)

5.12 Payment Terms

AS5023 lists a single data element for Payment Terms which expands into multiple elements in the GS1 XML schema. The relevant elements are listed below. The *paymentTerms* element itself has a cardinality of 0..* which allows any number of payment terms to be specified.

Within the *paymentTerms* structure, there are two mandatory attributes: *paymentTermsType* and *paymentTermsEvent* which provide the basic payment information. *paymentTermsEvent* identifies the trigger that initiates the payment process, for example, 'RECEIPT_OF_GOODS', 'DATE_INVOICE_RECEIVED'. Until this event occurs, payment is not due.

paymentTermsType defines the Payment Terms at a basic level, and is often sufficient in itself, for example, 'END_OF_MONTH', 'INSTANT', 'NO_CHARGE'. Other types, for example, 'FIXED_DATE', 'DISCOUNT' need further clarification which is provided by the other elements when necessary. For example, if a type of 'FIXED_DATE' is selected, it is highly likely that the payment date shall be placed in the *netPayment*→*paymentTimePeriod*→*date* element.

In addition to these, an optional *paymentMethod* element can be used to indicate the actual means by which the payment should be made.

5.12.1 Nett Payment

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Payment</i>	<i>Element: Payment Terms</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	(Relative to paymentTerms→netPayment→paymentTimePeriod) Choice of: →date →dayOfMonthDue →value and →timePeriod		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type:</i>	date (<i>date</i> element) integer (<i>dayOfMonth</i> element) Non-negative Integer (<i>value</i> element) list (<i>timePeriod</i> element)	
	<i>Cardinality: 1..1</i>		
	Allowable values for timePeriod are: DAYS MONTHS WEEKS		
<i>Co-requisites</i>	paymentTerms→paymentTermsType (<i>Attribute, list</i>) paymentTerms→paymentTermsEvent (<i>Attribute, list</i>)		
<i>Optional Elements</i>	paymentTerms→installmentDue (<i>InstallmentDueType</i>) paymentTerms→discountPayment (<i>DiscountPaymentType</i>) paymentTerms→proximoCutOffDay (<i>ProximoCutOffDayType</i>) paymentTerms→paymentMethod (<i>PaymentMethodType</i>)		

5.12.2 Payment Method

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Payment</i>	<i>Element: Payment Method</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	paymentTerms→paymentMethod		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: list</i>		
	<i>Cardinality: 1..1</i>		
<i>Co-requisites</i>	paymentTerms→paymentTermsType (<i>Attribute, list</i>) paymentTerms→paymentTermsEvent (<i>Attribute, list</i>) paymentTerms→automatedClearingHousePayments paymentTerms→paymentMethodType		
<i>Optional Elements</i>	paymentTerms→netPayment (<i>NetPaymentType</i>) paymentTerms→installmentDue (<i>InstallmentDueType</i>) paymentTerms→discountPayment (<i>DiscountPaymentType</i>) paymentTerms→proximoCutOffDay (<i>ProximoCutOffDayType</i>) paymentTerms→paymentMethod (<i>PaymentMethodType</i>)		

5.12.3 Payment Type

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Payment</i>	<i>Element: Payment Terms</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	paymentTerms→paymentTermsType		
<i>Basic Type</i>	Attribute		

<i>Comments</i>	This identifies the specific type of payment terms.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1..1		
	Cardinality of paymentTerms is 0..*		
<i>Co-requisites</i>	paymentTerms → paymentTermsEvent (<i>Attribute, list</i>)		
<i>Optional Elements</i>	paymentTerms → netPayment (<i>NetPaymentType</i>) paymentTerms → installmentDue (<i>InstallmentDueType</i>) paymentTerms → discountPayment (<i>DiscountPaymentType</i>) paymentTerms → proximoCutOffDay (<i>ProximoCutOffDayType</i>) paymentTerms → paymentMethod (<i>PaymentMethodType</i>)		
	Allowable values are: BASIC_DISCOUNT_OFFERED BASIC_NET DEFERRED DISCOUNT DISCOUNT_AFTER_DEDUCTING_FREIGHT	DISCOUNT_NOT_APPLICABLE ELECTIVE END_OF_MONTH EXTENDED FIXED_DATE INSTANT MIXED	NO_CHARGE PAYMENT_BY_INSTALLMENT PREVIOUSLY_AGREED_UPON PROXIMO VALUTA PENALTY_TERMS

5.12.4 Payment Event

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Payment	<i>Element:</i> Payment Terms
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	paymentTerms → paymentTermsEvent		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	This identifies when the Payment Terms are effective.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		

	Cardinality: 1..1		
	Cardinality of paymentTerms is 0..*		
	Allowable values are: AFTER_DATE_OF_DELIVERY ANTICIPATED_DELIVERY_DATE DATE_INVOICE_RECEIVED	DATE_OF_DELIVERY_TO_SITE DATE_OF_INVOICE DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS	EFFECTIVE_DATE INVOICE_TRANSMISSION_DATE RECEIPT_OF_GOODS
<i>Co-requisites</i>	paymentTerms → paymentTermsType (<i>Attribute, list</i>)		
<i>Optional Elements</i>	paymentTerms → netpayment (<i>NetPaymentType</i>) paymentTerms → installmentDue (<i>InstallmentDueType</i>) paymentTerms → discountPayment (<i>DiscountPaymentType</i>) paymentTerms → proximoCutOffDay (<i>ProximoCutOffDayType</i>) paymentTerms → paymentMethod (<i>PaymentMethodType</i>)		

5.12.5 Discount Time/Period

<i>AS5023 Reference</i>	Section: Header	Group: Payment	Element: Payment Terms
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	(Relative to paymentTerms → discountPayment → paymentTimePeriod) Choice of: →date →dayOfMonthDue →value and →timePeriod		
<i>Basic Type</i>	Element		
<i>Comments</i>	See section 2.4 Discounts for detailed information.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: date (<i>date</i> element) integer (<i>dayOfMonth</i> element) Non-negative Integer (<i>value</i> element) list (<i>timePeriod</i> element)		

	Cardinality: 1..1
	Allowable values for timePeriod are: DAYS MONTHS WEEKS
Co-requisites	<p>paymentTerms→discountPayment→discountType (Attribute, list)</p> <p>paymentTerms→paymentTermsType (Attribute, list)</p> <p>paymentTerms→paymentTermsEvent (Attribute, list)</p>
Optional Elements	<p>(Relative to paymentTerms)</p> <p>→discountPayment →discountDescription (MultiDescriptionType)</p> <p>→discountPayment →discountAmount (AmountType)</p> <p>→discountPayment →discountPercent (PercentageType)</p> <p>→netPayment (NetPaymentType)</p> <p>→installmentDue (InstallmentDueType)</p> <p>→proximoCutOffDay (ProximoCutOffDayType)</p> <p>→paymentMethod (PaymentMethodType)</p>

5.12.6 Discount Type

AS5023 Reference	Section: Header	Group: Payment	Element: Payment Terms
Description/Comments			
GS1 XML Path	paymentTerms→discountPayment→discountType		
Basic Type	Attribute		
Comments	See section 2.4 Discounts for detailed information.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		

<i>Co-requisites</i>	paymentTerms→discountPayment→paymentTimePeriod (<i>Complex, paymentTimePeriodType</i>) paymentTerms→paymentTermsType (<i>Attribute, List</i>) paymentTerms→paymentTermsEvent (<i>Attribute, List</i>)
<i>Optional Elements</i>	(Relative to paymentTerms) →discountPayment →discountDescription (<i>MultiDescriptionType</i>) →discountPayment →discountAmount (<i>AmountType</i>) →discountPayment →discountPercent (<i>PercentageType</i>) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)

5.12.7 Discount Amount

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Payment	<i>Element:</i> Payment Terms
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	paymentTerms→discountPayment→discountAmount→monetaryAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	See section 2.4 Discounts for detailed information.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 1..1		

<i>Co-requisites</i>	(Relative to paymentTerms) →discountPayment→discountAmount→currencyCode→currencyISOCODE (<i>string</i>) →discountPayment→paymentTimePeriod (<i>Complex, paymentTimePeriodType</i>) →discountPayment→discountType (<i>Attribute, list</i>) →paymentTermsType (<i>Attribute, list</i>) →paymentTermsEvent (<i>Attribute, list</i>)
<i>Optional Elements</i>	(Relative to paymentTerms) →discountPayment→discountDescription (<i>MultiDescriptionType</i>) →discountPayment→discountPercent (<i>PercentageType</i>) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)

5.12.8 Discount Currency

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	→discountPayment→discountAmount→currencyCode→currencyISOCODE		
<i>Basic Type</i>	Element		
<i>Comments</i>	See section 2.4 Discounts for detailed information.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		

<i>Co-requisites</i>	(Relative to paymentTerms) →discountPayment→discountAmount→ monetaryAmount (<i>float</i>) →discountPayment→paymentTimePeriod (<i>Complex, paymentTimePeriodType</i>) →discountPayment→discountType (<i>Attribute, List</i>) →paymentTermsType (<i>Attribute, List</i>) →paymentTermsEvent (<i>Attribute, List</i>)
<i>Optional Elements</i>	(Relative to paymentTerms) →discountPayment→discountDescription (<i>MultiDescriptionType</i>) →discountPaymnet→discountPercent (<i>PercentageType</i>) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)

5.13 Line Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Line item	<i>Element:</i> Line item number
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Non-negative Integer		
	<i>Cardinality:</i> 1..1		



Co-requisites

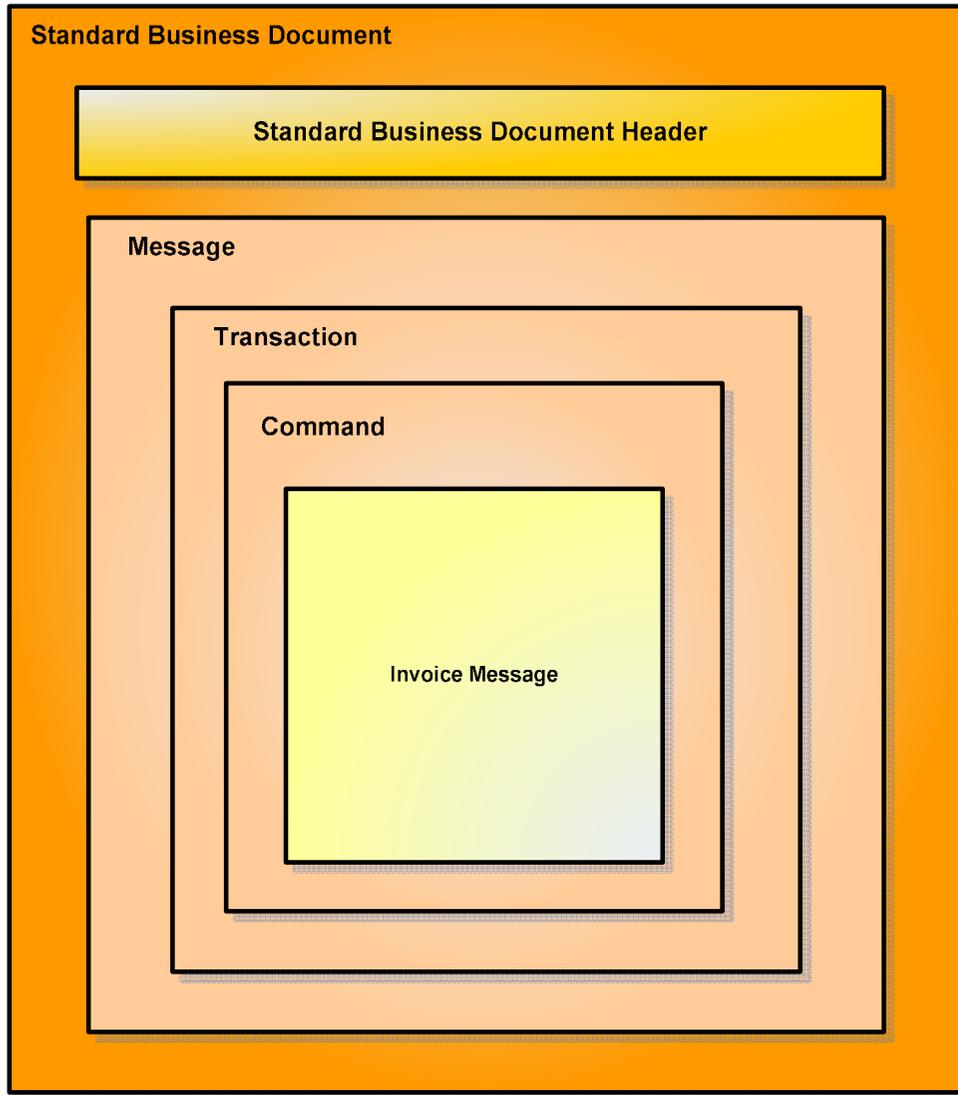
(Relative to invoiceLineItem)

→tradeItemIdentification→gtin (*Global Trade Item Identification*¹)

→invoicedQuantity→value (*float*)

→transferOfOwnershipDate (*date*)

¹ This must be padded with 0's to the full 14 characters. See section 0



Global Trade Item Numbers - GTINs

Optional Elements

(Relative to invoiceLineItem)

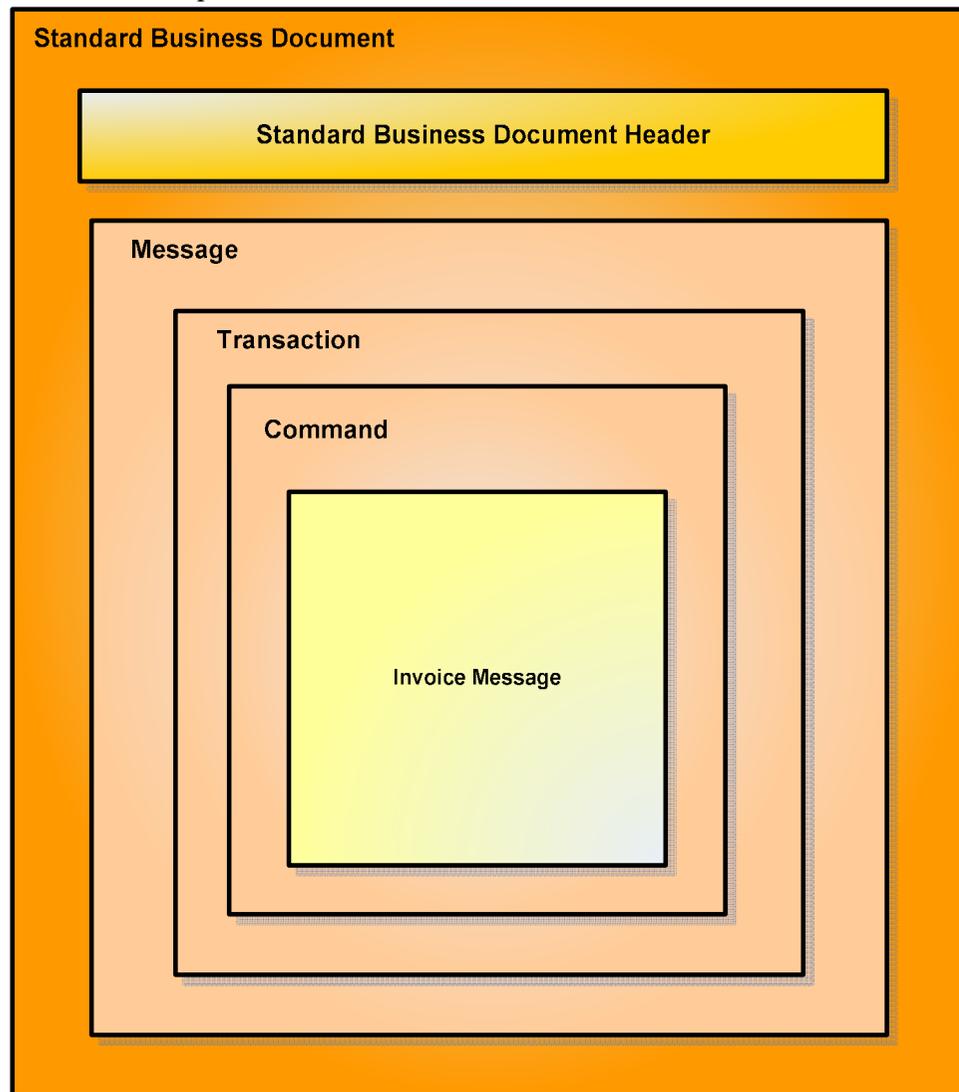
- amountExclusiveAllowancesCharges (*float*)
- amountInclusiveAllowancesCharges (*float*)
- itemDescription (*DescriptionType*)
- itemPriceBaseQuantity (*QuantityType*)
- itemPriceExclusiveAllowancesCharges (*float*)
- itemPriceInclusiveAllowancesCharges (*float*)
- deliveryNote (*ReferenceType*)
- orderIdentification (*DocumentOrDocumentLineReferenceType*)
- consumptionReport (*DocumentOrDocumentLineReferenceType*)
- receivingAdvice (*DocumentOrDocumentLineReferenceType*)
- purchaseConditions (*DocumentOrDocumentLineReferenceType*)
- despatchAdvice (*DocumentOrDocumentLineReferenceType*)
- invoice (*DocumentOrDocumentLineReferenceType*)
- invoiceLineItemInformationAfterTaxes (*InvoiceLineItemInformationAfterTaxesType*)
- invoiceLineTaxInformation (*InvoiceTaxInformationType*)
- invoiceLineAllowanceCharge (*InvoiceAllowanceChargeType*)
- extension (*ExtensionType*)
- creditLineIndicator (*string*)
- creditReason (*CreditReasonCodeListType*)
- deliveredQuantity (*QuantityType*)
- additionalOrderLineInstructions (*LongDescriptionType*)
- serviceTimePeriodLineLevel (*TimePeriodType*)
- supplierOrderIdentification (*DocumentOrDocumentLineReferenceType*)

5.14 Trade Item Identification

5.14.1 Global Trade Item Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Product Identifier	<i>Element:</i> Unique Product Identifier
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→tradeItemIdentification→gtin		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		

² This must be padded with 0's to the full 14 characters. See section 0



Global Trade Item Numbers - GTINs

	Cardinality: 1..1
<i>Co-requisites</i>	<p>(Relative to invoiceLineItem)</p> <ul style="list-style-type: none"> →number (<i>Non-negative Integer</i>) →invoicedQuantity→value (<i>float</i>) →transferOfOwnershipDate (<i>date</i>)
<i>Optional Elements</i>	<p>(Relative to invoiceLineItem)</p> <ul style="list-style-type: none"> →amountExclusiveAllowancesCharges (<i>float</i>) →amountInclusiveAllowancesCharges (<i>float</i>) →itemDescription (<i>DescriptionType</i>) →itemPriceBaseQuantity (<i>QuantityType</i>) →itemPriceExclusiveAllowancesCharges (<i>float</i>) →itemPriceInclusiveAllowancesCharges (<i>float</i>) →deliveryNote (<i>ReferenceType</i>) →orderIdentification (<i>DocumentOrDocumentLineReferenceType</i>) →consumptionReport (<i>DocumentOrDocumentLineReferenceType</i>) →receivingAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →despatchAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →invoice (<i>DocumentOrDocumentLineReferenceType</i>) →invoiceLineItemInformationAfterTaxes (<i>InvoiceLineItemInformationAfterTaxesType</i>) →invoiceLineTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceLineAllowanceCharge (<i>InvoiceAllowanceChargeType</i>) →extension (<i>ExtensionType</i>) →creditLineIndicator (<i>string</i>) →creditReason (<i>CreditReasonCodeListType</i>) →deliveredQuantity (<i>QuantityType</i>) →additionalOrderLineInstructions (<i>LongDescriptionType</i>) →serviceTimePeriodLineLevel (<i>TimePeriodType</i>) →supplierOrderIdentification (<i>DocumentOrDocumentLineReferenceType</i>)

5.14.2 Buyer's Product Code

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Product Identifier	<i>Element:</i> Buyer's product code
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i>		
	<i>additionalTradeItemIdentificationType</i> shall be set to 'BUYER_ASSIGNED'		
<i>Co-requisites</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
<i>Optional Elements</i>	None		

5.14.3 Supplier's Product Code

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Product Identifier	<i>Element:</i> Supplier product code
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i>		
	<i>additionalTradeItemIdentificationType</i> shall be set to 'SUPPLIER_ASSIGNED'		

<i>Co-requisites</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType
<i>Optional Elements</i>	None

5.14.4 Additional Trade Item Identification Type

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
<i>Basic Type</i>			
<i>Comments</i>	This element identifies the origin of the alternate item code.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1..1		
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (GS1 also has specified 20 internal use codes in addition to these three. These shall NOT be used unless there is a strong case for using them and the details of usage have been discussed with GS1.)		
<i>Co-requisites</i>	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Optional Elements</i>	None		

5.15 Transfer of Ownership Date

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→transferOfOwnershipDate		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 Requirement		

<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> date
	<i>Cardinality:</i> 1..1
	Although mandatory to meet the requirements of the schema, it is not a data element required by NEHTA standards. For this reason, a NULL value is acceptable. That is: <transferOfOwnership/> or similar is acceptable.
<i>Co-requisites</i>	None
<i>Optional Elements</i>	None

5.16 Quantity Invoiced

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Quantities	<i>Element:</i> Quantity invoiced
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→invoicedQuantity→value		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to invoiceLineItem) →number (<i>Attribute, Non-negative Integer</i>) →tradeItemIdentification→gtin (<i>Global Trade Item Identifier</i>) →transferOfOwnershipDate (<i>date</i>)		
<i>Optional Elements</i>	invoiceLineItem →invoicedQuantity→unitOfMeasure→measurementUnitCodeValue (<i>string</i>)		

5.17 Unit of Measure Invoiced

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Quantities</i>	<i>Element: Unit of measure invoiced</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→invoicedQuantity→unitOfMeasure→measurementUnitCodeValue		
<i>Basic Type</i>	Element		
<i>Comments</i>	Although AS5023 specifies this as mandatory, it is implicit in the GTIN so does not need to be sent as a separate element.		
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: string</i>		
	<i>Cardinality: 1..1</i>		
<i>Co-requisites</i>	invoiceLineItem →invoicedQuantity→value		
<i>Optional Elements</i>	None		

5.18 Quantity Delivered

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Quantities</i>	<i>Element: Quantity ordered</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→deliveredQuantity→value		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: float</i>		
	<i>Cardinality: 1..1</i>		

<i>Co-requisites</i>	(Relative to invoiceLineItem) →number (<i>Attribute, Non-negative Integer</i>) →tradeItemIdentification→gtin (<i>Global Trade Item Identifier</i>) →transferOfOwnershipDate (<i>date</i>) →invoicedQuantity→value (<i>float</i>)
<i>Optional Elements</i>	invoiceLineItem→deliveredQuantity→unitMeasure→measurementUnitCodeValue (<i>string</i>)

5.19 Unit of Measure Delivered

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Quantities	<i>Element:</i> Unit of measure delivered
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→deliveredQuantity→unitMeasure→measurementUnitCodeValue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
<i>Schema Constraints</i>	<i>Data Type:</i> string		
<i>Schema Constraints</i>	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	invoiceLineItem→deliveredQuantity→value (<i>float</i>)		
<i>Optional Elements</i>	None		

5.20 Purchase Order Details

Invoices shall usually reference a Purchase Order as the authority to demand payment and there are six scenarios in which this can be handled depending on how many Purchase Orders are involved and whether or not Purchase Order Line numbers are required. The GS1 XML Invoice message allows Purchase Orders to be referenced at both header and line levels in the Invoice message. Four of the six scenarios mandate the use of the Invoice Line level elements, and the other two can use either Line or Header level elements. For this reason and to simplify the process, only the Invoice Line Level elements shall be used.

The number of variations shall be simplified to two which shall cover all variations found in the Health Sector based on whether or not Purchase Order Line numbers are required. If Purchase Order Line Numbers are not required, then the *documentReference* element shall be used. If Purchase Order Line Numbers are required, then the *documentLineReference* element shall be used.

Summary Table

<i>GS1 XML data elements Relative to invoiceLineItem→orderIdentification</i>	<i>PO Number Only</i>	<i>PO Number and Line Number</i>
<i>→documentReference→uniqueCreatorIdentification</i>	yes	---
<i>→documentLineReference→uniqueCreatorIdentification</i>	---	yes
<i>→documentLineReference→number</i>	---	yes

5.20.1 Order Number - PO Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	<i>creationDateTime</i> is a co-requisite of the Order Number which is used to identify different versions of the Purchase Order. See 5.20.2 Order Date - PO Line Number not required for details.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln (<i>Global Location Number</i>) →creationDateTime (<i>dateTime</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.20.2 Order Date - PO Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→documentReference→creationDate		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> dateTime		
	<i>Cardinality:</i> 0..1		
	If the <i>orderIdentification</i> element is used, this shall be set to the <i>lastUpdateDate</i> element from the related Multi Shipment Order message in order to identify the version of the Purchase Order relating to the invoice. If the Invoice applies to the original order and <i>lastUpdateDate</i> is not available, then <i>creationDateTime</i> shall be used.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln (<i>Global Location Number</i>) →uniqueCreatorIdentification (<i>string</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.20.3 Order Owner - PO Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→ documentReference→contentOwner→gln		
<i>Basic Type</i>	Element		

<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> Global Location Number
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →creationDateTime (<i>dateTime</i>) →uniqueCreatorIdentification (<i>string</i>)
<i>Optional Elements</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.20.4 Order Number - PO Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Referenced Order Number
<i>Description/Comments</i>	The number of the order to which the invoice is related. Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→documentLineReference→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	If the invoice applies to multiple Purchase Orders or the individual items on a Purchase Order need to be identified, the line level version shall be used.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	<i>creationDateTime</i> is a co-requisite of the Order Number which is used to identify different versions of the Purchase Order. See 5.20.5 Order Date - PO Line Number Required for details.		

<i>Co-requisites</i>	(Relative to orderIdentification→documentLineReference) →contentOwner→gln (<i>Global Location Number</i>) →creationDateTime (<i>dateTime</i>)
<i>Optional Elements</i>	(Relative to orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.20.5 Order Date - PO Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→creationDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 0..1		
	If the <i>orderIdentification</i> element is used, this shall be set to the <i>lastUpdateDate</i> element from the related Multi Shipment Order message in order to identify the version of the Purchase Order relating to the invoice. If the Invoice applies to the original order and <i>lastUpdateDate</i> is not available, then <i>creationDateTime</i> shall be used.		
<i>Co-requisites</i>	(Relative to orderIdentification→documentLineReference) →contentOwner→gln (<i>Global Location Number</i>) →uniqueCreatorIdentification (<i>string</i>)		
<i>Optional Elements</i>	(Relative to orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.20.6 Order Owner - PO Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→contentOwner→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to orderIdentification→documentLineReference) →creationDateTime (<i>dateTime</i>) →uniqueCreatorIdentification (<i>string</i>)		
<i>Optional Elements</i>	(Relative to orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.20.7 Order Line Number - PO Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→ documentLineReference→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Non-negative Integer		

	Cardinality: 1..1
	It is a NEHTA requirement that if PO Line Numbers are used that the Purchase Order Number and Date are also used.
Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentLineReference) →creationDateTime (<i>dateTime</i>) →uniqueCreatorIdentification (<i>string</i>)
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.21 Invoice Details

Credit and Debit Notes shall reference an Invoice as the source of the credit or debit, and there are six scenarios in which this can be handled depending on how many Invoices are involved and whether or not Invoice Line numbers are required. The GS1 XML Invoice message allows Invoices to be referenced at both header and line levels in the Invoice message. Four of the six scenarios mandate the use of the Invoice Line level elements, and the other two can use either Line or Header level elements. For this reason and to simplify the process, only the Invoice Line Level elements shall be used.

The number of variations shall be simplified to two which shall cover all variations found in the Health Sector based on whether or not Invoice Line numbers are required. If Invoice Line Numbers are not required, then the *documentReference* element shall be used. If Invoice Line Numbers are required, then the *documentLineReference* element shall be used.

Summary Table

GS1 XML data elements Relative to invoiceLineItem→invoice	Invoice Number Only	Invoice Number and Line Number
→documentReference→uniqueCreatorIdentification	yes	---
→documentLineReference→uniqueCreatorIdentification	---	yes
→documentLineReference→number	---	yes

5.21.1 Invoice Number - Invoice Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Previous Invoice Number
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→orderIdentification→documentReference) →creationDateTime (<i>dateTime</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.21.2 Invoice Date - Invoice Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Previous invoice date / time
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentReference→creationDate		
<i>Basic Type</i>	Attribute		

<i>Comments</i>	Given the accounting implications of modifying an invoice after it has been sent out, it is expected that there shall be only one version of an invoice. Any adjustments that are required will be via credit and debit notes. For this reason the creation date is optional, although it is mandatory for other documents. The only time an invoice shall be resent is for technical reasons, and the invoice shall be identical from an operational perspective.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> dateTime
	<i>Cardinality:</i> 0..1
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentReference) →contentOwner→gln (<i>Global Location Number</i>) →uniqueCreatorIdentification (<i>string</i>)
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoice→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.21.3 Invoice Owner - Invoice Line Number not required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Previous Invoice Number		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentReference→contentOwner→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		

<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentReference) →uniqueCreatorIdentification (<i>string</i>)
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoicing→documentReference) →creationDateTime (<i>dateTime</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.21.4 Invoice Number - Invoice Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Previous Invoice Number
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentLineReference→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoice →documentLineReference) →creationDateTime (<i>dateTime</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.21.5 Invoice Date - Invoice Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Previous Invoice date / time
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→creationDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> dateTime		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→gln (<i>Global Location Number</i>) →uniqueCreatorIdentification (<i>string</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.21.6 Invoice Owner - Invoice Line Number Required

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Previous Invoice Number		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentLineReference→ documentReference→contentOwner→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		

	Cardinality: 1..1
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →uniqueCreatorIdentification (string)
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →creationDateTime (dateTime) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)

5.21.7 Invoice Line Number - Invoice Line Number Required

AS5023 Reference	Section:	Group:	Element:
<i>Description/Comments</i>	Related to Referenced Order Number		
<i>GS1 XML Path</i>	invoiceLineItem→invoice→documentLineReference→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		
	It is a NEHTA requirement that if Invoice Line Numbers are used that the Invoice Number is also used.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →uniqueCreatorIdentification (string)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoice→documentLineReference) →creationDateTime (dateTime) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)		

5.22 Delivery Note/Despatch Advice

The AS5023 standard only specifies a 'delivery or despatch note number of the order to which this invoice relates', and places this element at the header level. The GS1 XML standard has separate elements for Delivery Notes and Despatch advices, and these elements exist at both header and line level. In order to allow an Invoice to reference multiple Delivery/Despatch notes, the line level element only shall be used. The Despatch Advice shall be treated as a separate item to the Delivery Note in these guidelines. Note that only the Despatch Advice allows a line number to be specified.

5.22.1 Delivery Note Number

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Delivery note number
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→deliveryNote→referenceIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	Refer to the introduction to this section.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	invoiceLineItem→deliveryNote→referenceDateTime (<i>dateTime</i>)		
<i>Optional Elements</i>	None		

5.22.2 Delivery Note Date/Time

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Delivery note date/time
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	invoiceLineItem→deliveryNote→referenceDateTime		

<i>Basic Type</i>	Element
<i>Comments</i>	Refer to the introduction to this section.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> dateTime
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	invoiceLineItem→deliveryNote→referenceIdentification (<i>string</i>)
<i>Optional Elements</i>	None

5.22.3 Despatch Advice Number

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Delivery note number
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	Refer to the introduction to this section.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	If a Despatch Advice Line Number is required, then the <i>documentLineReference</i> element shall be used. Otherwise the <i>documentReference</i> element shall be used.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →contentOwner→gln (<i>Global Location Number</i>)		

<i>Optional Elements</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime (<i>dateTime</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue (<i>string</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType (<i>list</i>) (Relative to invoiceLineItem→despatchAdvice→documentLineReference) →number (<i>Non-negative Integer</i>)
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5.22.4 Despatch Advice Date/Time

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> References	<i>Element:</i> Delivery date/time
<i>Description/Comments</i>	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
<i>GS1 XML Path</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	Refer to the introduction to this section.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No <i>Data Type:</i> dateTime <i>Cardinality:</i> 0..1 If a Despatch Advice Line Number is required, then the <i>documentLineReference</i> element shall be used. Otherwise, the <i>documentReference</i> element shall be used.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification (<i>string</i>) →contentOwner→gln (<i>Global Location Number</i>)		

<i>Optional Elements</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue (<i>string</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType (<i>list</i>) (Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →number (<i>Non-negative Integer</i>)
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5.22.5 Despatch Advice Line Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Delivery Note		
<i>GS1 XML Path</i>	invoiceLineItem→despatchAdvice→documentLineReference→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No Data Type: Non-negative Integer Cardinality: 1..1 If a Despatch Note Line Number is specified, then details of the Despatch Note Number, Owner etc. Shall be entered using the same <i>documentLineReference</i> element. (NEHTA requirement. Although it increases complexity for this specific instance, it reduces the overall complexity by limiting the use of the <i>despatchAdvice</i> element to one location only.)		
<i>Co-requisites</i>	(Relative to invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification (<i>string</i>) →contentOwner→gln (<i>Global Location Number</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime (<i>dateTime</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue (<i>string</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType (<i>list</i>)		

5.22.6 Despatch Advice Owner

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Delivery Note		
<i>GS1 XML Path</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →contentOwner→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification (<i>string</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime (<i>dateTime</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue (<i>string</i>) → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType (<i>list</i>) (Relative to invoiceLineItem→despatchAdvice→documentLineReference) →number (<i>Non-negative Integer</i>)		

5.23 Invoice Line Allowances and Charges

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Allowances and Charges	<i>Element:</i> Allowances and Charges
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge (<i>Complex Type</i>)		

<i>Basic Type</i>	Element
<i>Comments</i>	This complex type is capable of handling multiple types of allowances and charges. The individual components of this type are described in the following sections.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> invoiceAllowanceChargeType
	<i>Cardinality:</i> 0..*



Co-requisites

(Relative to invoiceLineItem)

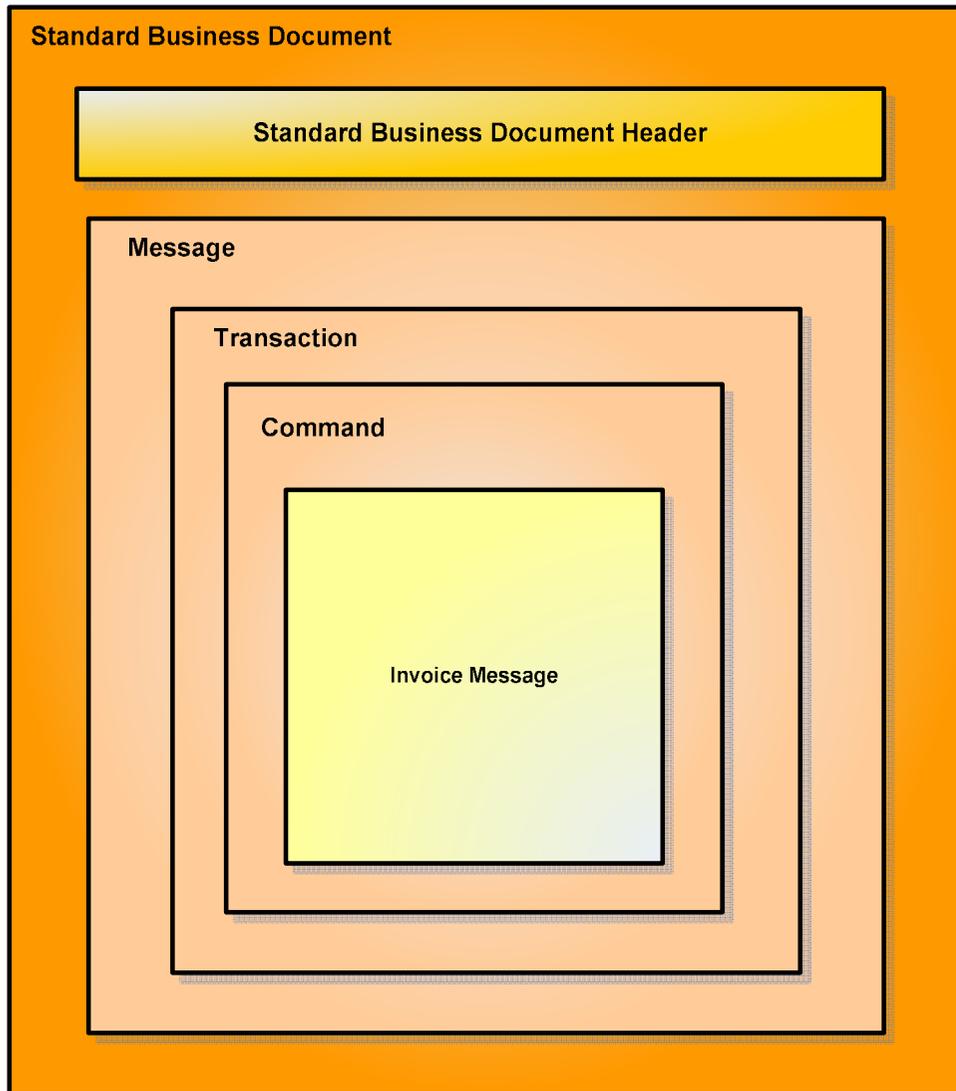
→number (*Attribute, Non-negative Integer*)

→invoicedQuantity→value (*float*)

→tradeItemIdentification→gtin (*GlobalTradeItemNumberType*³)

→transferOfOwnershipDate (*date*)

³ This must be padded with 0's to the full 14 characters. See section 0



Global Trade Item Numbers - GTINs

<i>Optional Elements</i>	<p>(Relative to invoiceLineItem)</p> <ul style="list-style-type: none"> →amountExclusiveAllowancesCharges (<i>float</i>) →amountInclusiveAllowancesCharges (<i>float</i>) →itemDescription (<i>DescriptionType</i>) →itemPriceBaseQuantity (<i>QuantityType</i>) →itemPriceExclusiveAllowancesCharges (<i>float</i>) →itemPriceInclusiveAllowancesCharges (<i>float</i>) →deliveryNote (<i>ReferenceType</i>) →orderIdentification (<i>DocumentOrDocumentLineReferenceType</i>) →consumptionReport (<i>DocumentOrDocumentLineReferenceType</i>) →receivingAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →despatchAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →invoice (<i>DocumentOrDocumentLineReferenceType</i>) →invoiceLineItemInformationAfterTaxes (<i>InvoiceLineItemInformationAfterTaxesType</i>) →invoiceLineTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceLineAllowanceCharge (<i>InvoiceAllowanceChargeType</i>) →extension (<i>ExtensionType</i>) →creditLineIndicator (<i>string</i>) →creditReason (<i>CreditReasonCodeListType</i>) →additionalOrderLineInstructions (<i>LongDescriptionType</i>) →serviceTimePeriodLineLevel (<i>TimePeriodType</i>) →supplierOrderIdentification (<i>DocumentOrDocumentLineReferenceType</i>)
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5.23.1 Amount

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceAllowanceChargeAmount		

<i>Basic Type</i>	Element
<i>Comments</i>	This is the full amount of the allowance, charge, or discount before GST.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> float
	<i>Cardinality:</i> 0..1
	Cardinality of <i>invoiceAllowanceChargeAmount</i> is 0..*
<i>Co-requisites</i>	None
<i>Optional Elements</i>	(Relative to <i>invoiceLineItem</i> → <i>invoiceLineAllowanceCharge</i>) → <i>invoiceAllowanceChargeType</i> (<i>AllowanceChargeListType</i>) → <i>invoiceAllowanceOrChargeType</i> (<i>AllowanceOrChargeListType</i>) → <i>invoiceTaxInformation</i> (<i>InvoiceTaxInformationType</i>) → <i>invoiceAllowanceChargePercentage</i> (<i>PercentageType</i>)

5.23.2 Charge Type

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	<i>invoiceLineItem</i> → <i>invoiceLineAllowanceCharge</i> → <i>invoiceAllowanceChargeType</i>		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 1..1		

	Allowable values are: ALLOWANCE_GLOBAL CHARGE_GLOBAL CONSOLIDATED FLAT_RATE FREIGHT_COSTS FREE_GOODS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES WAREHOUSE_AMOUNT ULLAGE_AMOUNT QUANTITY_DISCOUNT	TRADE_DISCOUNT VOLUME_DISCOUNT EARLY_PAYMENT SPECIAL_HANDLING PALLET_CHARGE FUEL_CHARGE
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge) →invoiceAllowanceChargeAmount (<i>float</i>) →invoiceAllowanceOrChargeType (<i>AllowanceOrChargeListType</i>) →invoiceTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceAllowanceChargePercentage (<i>PercentageType</i>)		

5.23.3 Allowance or Charge

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceAllowanceOrChargeType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	Allowable values are: ALLOWANCE CHARGE		
<i>Co-requisites</i>	None		

<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge) →invoiceAllowanceChargeAmount (<i>float</i>) →allowanceChargeType (<i>AllowanceChargeListType</i>) →invoiceTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceAllowanceChargePercentage (<i>PercentageType</i>)
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5.23.4 Tax Type

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→dutyTaxFeeType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: list		
	Cardinality: 0..1		
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →taxAmount (<i>float</i>) →taxableAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.23.5 Taxable Amount

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxableAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 for details on which elements are required and how they are used in specific circumstances. Value of the item on which the GST calculation is made. If the item attracts full GST or zero GST, then this shall be the unit price of the item. If the item attracts partial GST, then only that part of the unit price shall attract GST. If it is a non-reportable item, it shall be zero.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.23.6 Tax Amount

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 for details on which elements are required and how they are used in specific circumstances. This is the actual amount of GST to be paid. Calculation: Taxable Amount of Allowance or Charge x GST rate.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.23.7 Tax Rate

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxPercentage		

<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> PercentageType
	<i>Cardinality:</i> 0..1
	This element shall be used if there is tax applicable to the Allowance. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances.
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxAmount (<i>float</i>)
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)

5.24 Purchase Conditions

5.24.1 Document Reference Unique Identifier

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Pricing reference document number
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	(Relative to invoiceLineItem→purchaseConditions) Choice - one of: →documentReference→uniqueCreatorIdentification →documentLineReference→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		

<i>Comments</i>	Use the <i>documentReference</i> structure if the document line number <u>is not</u> required. Use the <i>documentLineReference</i> structure if the document line number <u>is</u> required.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →contentOwner→gln (<i>Global Location Number</i>)
<i>Optional Elements</i>	(Relative to: invoiceLineItem→purchaseConditions→documentLineReference) →number (<i>Attribute, Non-negative Integer</i>) (Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →creationDate (<i>dateTime</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.24.2 Document Reference Date

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Pricing reference document number		
<i>GS1 XML Path</i>	(Relative to invoiceLineItem→purchaseConditions) Choice - one of: →documentReference→creationDateTime →documentLineReference→documentReference→creationDateTime		
<i>Basic Type</i>	Element		
<i>Comments</i>	Use the <i>documentReference</i> structure if the document line number <u>is not</u> required. Use the <i>documentLineReference</i> structure if the document line number <u>is</u> required.		

Schema Constraints	Mandatory: No
	Data Type: string
	Cardinality: 1..1
Co-requisites	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →uniqueCreatorIdentification (string) →contentOwner→gln (Global Location Number)
Optional Elements	(Relative to: invoiceLineItem→purchaseConditions→documentLineReference) →number (Attribute, Non-negative Integer) (Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)

5.24.3 Content Owner

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Pricing reference document number		
GS1 XML Path	(Relative to invoiceLineItem→purchaseConditions) Choice - one of: →documentReference→contentOwner→gln →documentLineReference→documentReference→contentOwner→gln		
Basic Type	Element		
Comments	Use the <i>documentReference</i> structure if the document line number <u>is not</u> required. Use the <i>documentLineReference</i> structure if the document line number <u>is</u> required.		
Schema Constraints	Mandatory: No		
	Data Type: Global Location Number		

	Cardinality: 1..1
<i>Co-requisites</i>	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →uniqueCreatorIdentification (string)
<i>Optional Elements</i>	(Relative to: invoiceLineItem→purchaseConditions→documentLineReference) →number (Attribute, Non-negative Integer) (Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →creationDate (dateTime) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)

5.24.4 Document Line Reference Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Pricing reference document line
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→purchaseConditions→documentLineReference→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Non-negative Integer		
	<i>Cardinality:</i> 1..1		
	Although GS1 XML allows otherwise, NEHTA standards require the Pricing Reference Document Number to be included within this structure.		

<i>Co-requisites</i>	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →contentOwner→uniqueCreatorIdentification (string) →contentOwner→gln (Global Location Number)
<i>Optional Elements</i>	(Relative to: invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)

5.25 Invoice Line Tax

AS5023 lists only two data elements for Tax, whereas the GS1 XML schema has a complete structure. Four of those elements are useful for managing GST and are included in this section. Refer to Section 2.2 Goods and Services Tax (GST for complete details on how they are used. The same principles apply to the GST elements for Allowances and Charges.

5.25.1 Tax Type

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Tax		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineTaxInformation→dutyTaxFeeType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Item. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances.		

<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →taxAmount (float) →taxableAmount (float) →taxPercentage (PercentageType)
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension (ExtensionType) →taxAmountInTaxAccountingCurrency (float) →taxableAmountInTaxAccountingCurrency (float) →dutyTaxFreeDescription (string)

5.25.2 Taxable Amount

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Tax		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineTaxInformation→taxableAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	Value of the item on which the GST calculation is made. If the item attracts full GST or zero GST, then this shall be the unit price of the item. If the item attracts partial GST, then only that part of the unit price shall attract GST. If it is a non-reportable item, it shall be zero.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		
	This element shall be used if there is tax applicable to the Item. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →dutyTaxFeeType (list) →taxAmount (float) →taxPercentage (PercentageType)		

<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)
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5.25.3 Tax Amount

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Amount invoiced	<i>Element:</i> GST amount
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineTaxInformation→taxAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the actual amount of GST to be paid. Calculation: Taxable Amount x GST rate.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Item. Refer to Section 2.2 Goods and Services Tax (GST) for details on which elements are required and how they are used in specific circumstances.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxPercentage (<i>PercentageType</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.25.4 Tax Rate

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Tax	<i>Element:</i> Tax rate
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineTaxInformation→taxPercentage		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	This element shall be used if there is tax applicable to the Item. Refer to Section 2.2 Goods and Services Tax (GST for details on which elements are required and how they are used in specific circumstances.		
<i>Co-requisites</i>	(Relative to invoiceLineItem→invoiceTaxInformation) →dutyTaxFeeType (<i>list</i>) →taxableAmount (<i>float</i>) →taxAmount (<i>float</i>)		
<i>Optional Elements</i>	(Relative to invoiceLineItem→invoiceTaxInformation) →extension (<i>ExtensionType</i>) →taxAmountInTaxAccountingCurrency (<i>float</i>) →taxableAmountInTaxAccountingCurrency (<i>float</i>) →dutyTaxFreeDescription (<i>string</i>)		

5.26 Unit Price

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Pricing</i>	<i>Element: Unit price</i>
<i>Description/Comments</i>	Excludes GST		
<i>GS1 XML Path</i>	invoiceLineItem→itemPriceExclusiveAllowancesCharges		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the unit price of the item. GST, Charges and Allowances are excluded.		
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: float</i>		
	<i>Cardinality: 0..1</i>		



Co-requisites

(Relative to invoiceLineItem)

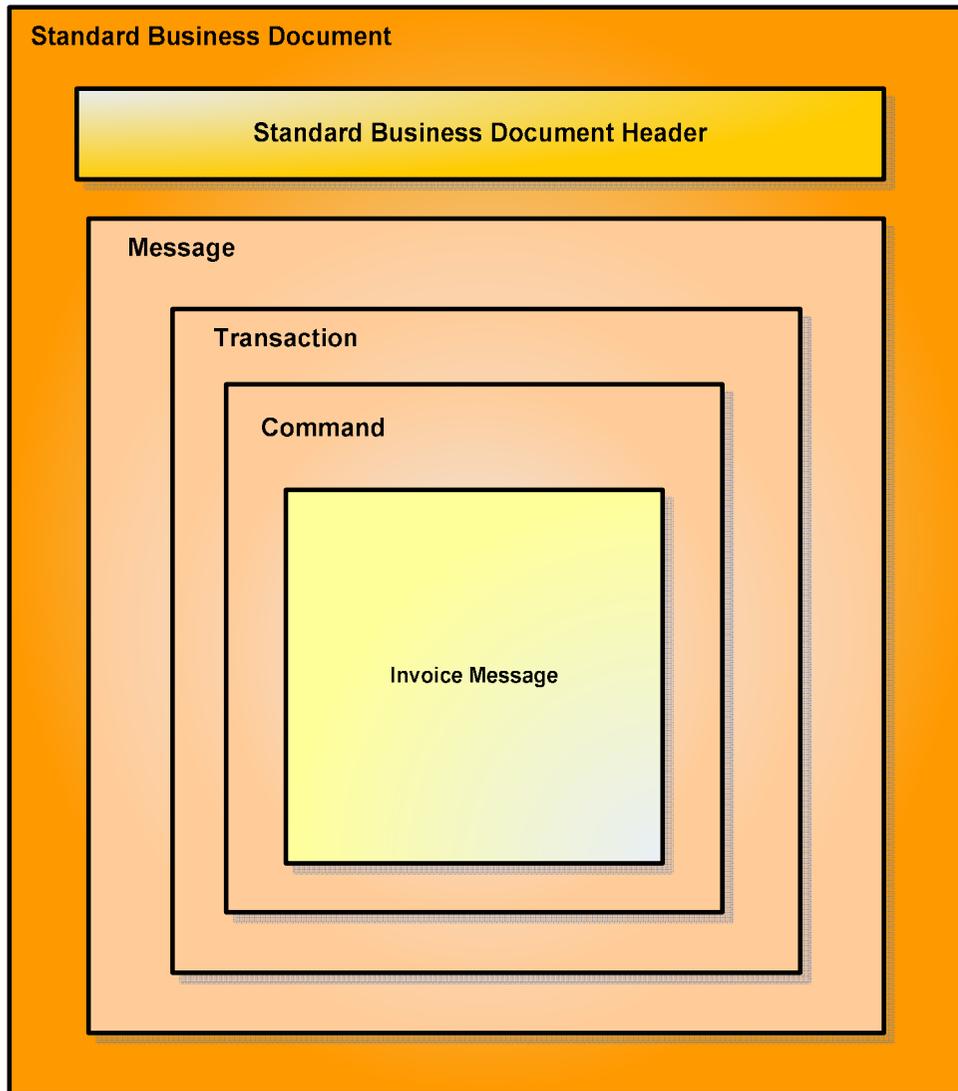
→number (*Non-negative Integer*)

→tradeItemIdentification→gtin (*Global Trade Item Identification*⁴)

→invoicedQuantity→value (*float*)

→transferOfOwnershipDate (*date*)

⁴ This must be padded with 0's to the full 14 characters. See section 0



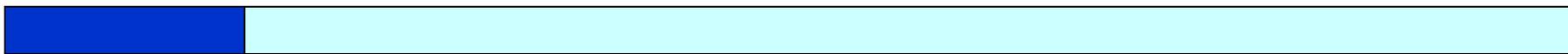
Global Trade Item Numbers - GTINs

<i>Optional Elements</i>	(Relative to invoiceLineItem) →amountExclusiveAllowancesCharges (<i>float</i>) →amountInclusiveAllowancesCharges (<i>float</i>) →itemDescription (<i>DescriptionType</i>) →itemPriceBaseQuantity (<i>QuantityType</i>) →itemPriceInclusiveAllowancesCharges (<i>float</i>) →deliveryNote (<i>ReferenceType</i>) →orderIdentification (<i>DocumentOrDocumentLineReferenceType</i>) →consumptionReport (<i>DocumentOrDocumentLineReferenceType</i>) →receivingAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →despatchAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →invoice (<i>DocumentOrDocumentLineReferenceType</i>) →invoiceLineItemInformationAfterTaxes (<i>InvoiceLineItemInformationAfterTaxesType</i>) →invoiceLineTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceLineAllowanceCharge (<i>InvoiceAllowanceChargeType</i>) →extension (<i>ExtensionType</i>) →creditLineIndicator (<i>string</i>) →creditReason (<i>CreditReasonCodeListType</i>) →deliveredQuantity (<i>QuantityType</i>) →additionalOrderLineInstructions (<i>LongDescriptionType</i>) →serviceTimePeriodLineLevel (<i>TimePeriodType</i>) →supplierOrderIdentification (<i>DocumentOrDocumentLineReferenceType</i>)
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5.27 Item Amount ex GST

<i>AS5023 Reference</i>	Section: Detail	Group: Amount invoiced	Element: Amount excluding GST
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→amountExclusiveAllowancesCharges		

<i>Basic Type</i>	Element
<i>Comments</i>	This is the base extended price of the item excluding other charges, allowances, discounts etc. and GST. Calculation: Quantity x Unit Price
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> float
	<i>Cardinality:</i> 0..1



Co-requisites

(Relative to invoiceLineItem)

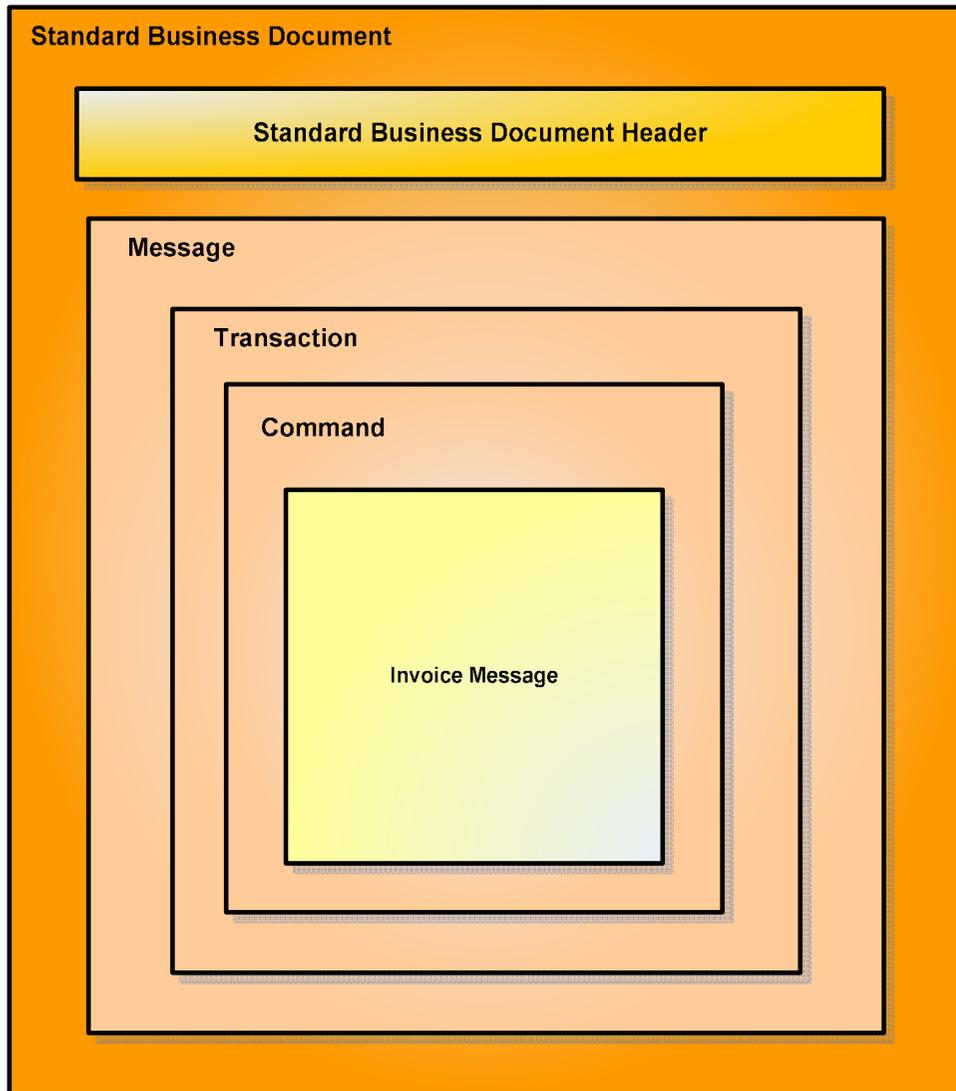
→number (*Non-negative Integer*)

→tradeItemIdentification→gtin (*Global Trade Item Identification*⁵)

→invoicedQuantity→value (*float*)

→transferOfOwnershipDate (*date*)

⁵ This must be padded with 0's to the full 14 characters. See section 0



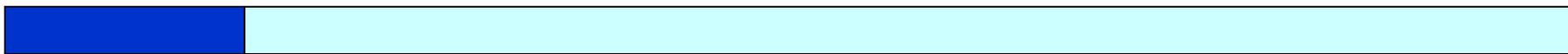
Global Trade Item Numbers - GTINs

<i>Optional Elements</i>	(Relative to invoiceLineItem) →amountInclusiveAllowancesCharges (<i>float</i>) →itemDescription (<i>DescriptionType</i>) →itemPriceBaseQuantity (<i>QuantityType</i>) →itemPriceExclusiveAllowancesCharges (<i>float</i>) →itemPriceInclusiveAllowancesCharges (<i>float</i>) →deliveryNote (<i>ReferenceType</i>) →orderIdentification (<i>DocumentOrDocumentLineReferenceType</i>) →consumptionReport (<i>DocumentOrDocumentLineReferenceType</i>) →receivingAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →despatchAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →invoice (<i>DocumentOrDocumentLineReferenceType</i>) →invoiceLineItemInformationAfterTaxes (<i>InvoiceLineItemInformationAfterTaxesType</i>) →invoiceLineTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceLineAllowanceCharge (<i>InvoiceAllowanceChargeType</i>) →extension (<i>ExtensionType</i>) →creditLineIndicator (<i>string</i>) →creditReason (<i>CreditReasonCodeListType</i>) →deliveredQuantity (<i>QuantityType</i>) →additionalOrderLineInstructions (<i>LongDescriptionType</i>) →serviceTimePeriodLineLevel (<i>TimePeriodType</i>) →supplierOrderIdentification (<i>DocumentOrDocumentLineReferenceType</i>)
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5.28 Item Amount including Charges/Allowances ex GST

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Amount invoiced</i>	<i>Element: Amount excluding GST</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceLineItem→amountInclusiveAllowancesCharges		

<i>Basic Type</i>	Element
<i>Comments</i>	Note that the GST component of Charges and Allowances shall NOT be included in this value. Calculation: Extended Price - sum of all Allowances + sum of all Charges. Note: Discounts are a type of Allowance.
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> float
	<i>Cardinality:</i> 0..1



Co-requisites

(Relative to invoiceLineItem)

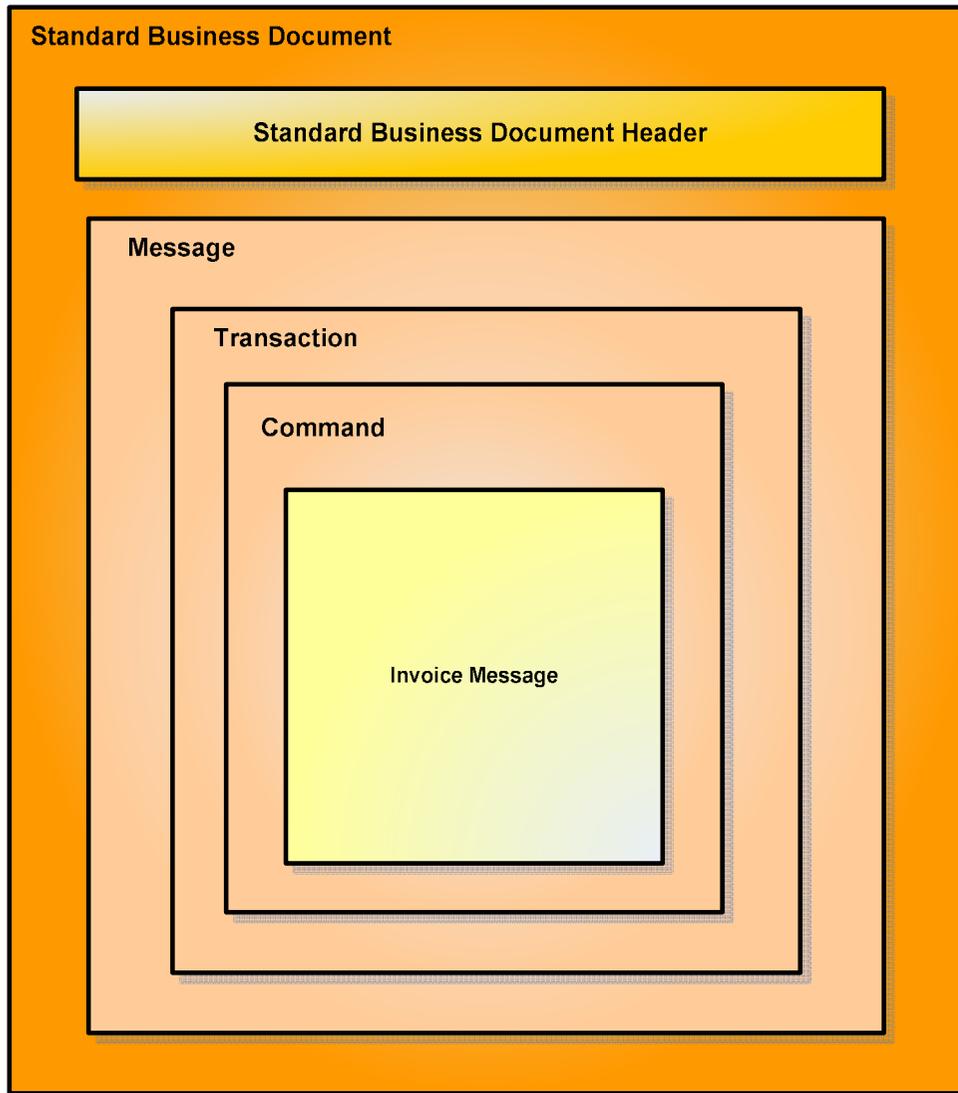
→number (*Non-negative Integer*)

→tradeItemIdentification→gtin (*Global Trade Item Identification*⁶)

→invoicedQuantity→value (*float*)

→transferOfOwnershipDate (*date*)

⁶ This must be padded with 0's to the full 14 characters. See section 0



Global Trade Item Numbers - GTINs

<i>Optional Elements</i>	(Relative to invoiceLineItem) →amountInclusiveAllowancesCharges (<i>float</i>) →itemDescription (<i>DescriptionType</i>) →itemPriceBaseQuantity (<i>QuantityType</i>) →itemPriceExclusiveAllowancesCharges (<i>float</i>) →itemPriceInclusiveAllowancesCharges (<i>float</i>) →deliveryNote (<i>ReferenceType</i>) →orderIdentification (<i>DocumentOrDocumentLineReferenceType</i>) →consumptionReport (<i>DocumentOrDocumentLineReferenceType</i>) →receivingAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →despatchAdvice (<i>DocumentOrDocumentLineReferenceType</i>) →invoice (<i>DocumentOrDocumentLineReferenceType</i>) →invoiceLineItemInformationAfterTaxes (<i>InvoiceLineItemInformationAfterTaxesType</i>) →invoiceLineTaxInformation (<i>InvoiceTaxInformationType</i>) →invoiceLineAllowanceCharge (<i>InvoiceAllowanceChargeType</i>) →extension (<i>ExtensionType</i>) →creditLineIndicator (<i>string</i>) →creditReason (<i>CreditReasonCodeListType</i>) →deliveredQuantity (<i>QuantityType</i>) →additionalOrderLineInstructions (<i>LongDescriptionType</i>) →serviceTimePeriodLineLevel (<i>TimePeriodType</i>) →supplierOrderIdentification (<i>DocumentOrDocumentLineReferenceType</i>)
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5.29 Item Amount including Charges/Allowances/GST

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Amount Invoiced.		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountInclusiveAllowancesCharges		

<i>Basic Type</i>	Element
<i>Comments</i>	This is the full cost of the line, including the extended item cost, all allowances and charges and the GST on all of these. Calculation: Extended Price inc GST - sum of Allowances inc GST + sum of Charges inc GST
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> float
	<i>Cardinality:</i> 0..1
<i>Co-requisites</i>	None
<i>Optional Elements</i>	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountExclusiveAllowancesCharges (<i>float</i>)

5.30 Item Amount including GST, ex Charges/Allowances

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Amount Invoiced		
<i>GS1 XML Path</i>	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountExclusiveAllowancesCharges		
<i>Basic Type</i>			
<i>Comments</i>	This is the total amount charged for the item including GST, but excluding all other charges. Calculation: Extended Price + GST		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountInclusiveAllowancesCharges (<i>float</i>)		

5.31 Total Invoice Amount

<i>AS5023 Reference</i>	<i>Section:</i> End of Message	<i>Group:</i> Summary	<i>Element:</i> Total amount excluding GST
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceTotals→totalInvoiceAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the total of all items, charges, allowances etc. on the invoice exclusive of GST.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	invoiceTotals→totalAmountInvoiceAllowancesCharges (float) invoiceTotals→totalAmountLineAllowancesCharges (float) invoiceTotals→totalLineAmountExclusiveAllowancesCharges (float) invoiceTotals→totalLineAmountInclusiveAllowancesCharges (float) invoiceTotals→totalTaxAmount (float) invoiceTotals→taxSubTotal (InvoiceTaxInformationType) invoiceTotals→totalInvoiceAmountPayable (float) invoiceTotals→taxAccountingCurrency→currencyISOCode (string - ISO 4217 Code) invoiceTotals→baseAmount (float) invoiceTotals→totalVATAmount (float) invoiceTotals→prepaidAmount (float) invoiceTotals→ prepaidAmountDate (date)		

5.32 Total Invoice Amount Payable

<i>AS5023 Reference</i>	<i>Section:</i> End of Message	<i>Group:</i> Summary	<i>Element:</i> Total amount including GST
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceTotals→totalInvoiceAmountPayable		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the Grand Total for the Invoice. It incorporates the prices of all items, all charges and allowances, and all GST charges etc.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	invoiceTotals→totalInvoiceAmount (float)		
<i>Optional Elements</i>	invoiceTotals→totalAmountInvoiceAllowancesCharges (float) invoiceTotals→totalAmountLineAllowancesCharges (float) invoiceTotals→totalLineAmountExclusiveAllowancesCharges (float) invoiceTotals→totalLineAmountInclusiveAllowancesCharges (float) invoiceTotals→totalTaxAmount (float) invoiceTotals→taxSubTotal (InvoiceTaxInformationType) invoiceTotals→taxAccountingCurrency→currencyISOCODE (string - ISO 4217 Code) invoiceTotals→baseAmount (float) invoiceTotals→totalVATAmount (float) invoiceTotals→prepaidAmount (float) invoiceTotals→ prepaidAmountDate (date)		

5.33 Total Tax Amount

<i>AS5023 Reference</i>	<i>Section:</i> End of Message	<i>Group:</i> Summary	<i>Element:</i> GST amount
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	invoiceTotals→totalTaxAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the total GST charged on the invoice. It incorporates the GST charged on all line items, all line item allowances and charges, and all invoice allowances and charges.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	invoiceTotals→totalInvoiceAmount (float)		
<i>Optional Elements</i>	invoiceTotals→totalAmountInvoiceAllowancesCharges (float)		
	invoiceTotals→totalAmountLineAllowancesCharges (float)		
	invoiceTotals→totalLineAmountExclusiveAllowancesCharges (float)		
	invoiceTotals→totalLineAmountInclusiveAllowancesCharges (float)		
	invoiceTotals→taxSubTotal (InvoiceTaxInformationType)		
	invoiceTotals→totalInvoiceAmountPayable (float)		
	invoiceTotals→taxAccountingCurrency→currencyISOCODE (string - ISO 4217 Code)		
	invoiceTotals→baseAmount (float)		
	invoiceTotals→totalVATAmount (float)		
	invoiceTotals→prepaidAmount (float)		
invoiceTotals→ prepaidAmountDate (date)			

5.34 Order Identification

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Purchase Order reference Number groups contains Creation date, reference number and GLN		
<i>GS1 XML Path</i>	invoice→orderIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i>		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>	invoice→CreationDateTime(<i>attribute</i>) invoice→UniqueCreatorIdentification invoice→ContentOwner→GLN		
<i>Optional Elements</i>	(Relative to entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

6 The Minimum Schema

The following elements are the minimum that are required to meet the mandatory requirements of AS5023 and GS1 XML. Node elements appear in *blue italics*. Attributes are preceded by their associated element.

StandardBusinessDocumentHeader

HeaderVersion

Sender

Identifier

Identifier:Authority (attribute)

Receiver

Identifier

Identifier:Authority (attribute)

DocumentIdentification

Standard

TypeVersion

InstanceIdentifier

Type

MultipleType

CreationDateAndTime

BusinessScope

Scope

ScopeAttributes

Type

InstanceIdentifier

message

entityIdentification

uniqueCreatorIdentification

contentOwner

gln

transaction

entityIdentification

uniqueCreatorIdentification

contentOwner

gln

command
 documentCommandHeader
 type
 entityIdentification
 uniqueCreatorIdentification
 contentOwner
 gln
 documentCommandOperand
 invoice
 creationDateTime
 documentStatus
 invoiceIdentification
 uniqueCreatorIdentification
 contentOwner
 gln
 invoiceCurrency
 currencyISOCode
 invoiceType
 buyer
 partyIdentification
 gln
 companyRegistrationNumber
 seller
 partyIdentification
 gln
 invoiceLineItem
 number
 tradeItemIdentification
 gtin
 invoicedQuantity
 value
 transferOfOwnershipDate
 invoiceTotals
 totalInvoiceAmount
 totalTaxAmount

7 References

This document is based on the following documents

- [SA2003] Standards Australia 2003, Health Supply Chain Messaging Part 2: Datasets, Standards Australia.
- [SBDH2007] GS1 2007, Standard Business Document Header (SBDH) Technical Implementation Guide, Release: 1.3, GS1.
- [GS1 2009] GS1 2009, Business Message Standard (BMS) Invoice, BMS Release: 2.6, GS1.
- [EPTA2007] NEHTA 2007, E-Procurement Technical Architecture; Version 1.1, NEHTA