nehta

NEHTA Standard Message Implementation Guidelines for Health eProcurement

Part 4: GS1 XML Invoice Messages

Version 1.7 - 6 December 2013

Approved for external use

nehta

Version Control

Version	Nature of Change/Comments
1.6	Principal version 1.6 changes • Minor syntactical changes to commentary • Resolved issues where some XPATH's were incorrect • Added missing corequisites • Added missing data types • Updated minimum schema example to include Seller ABN and remove Buyer ABN • Added Booking Reference Number (Section 5.14.4) to carry a related Loan Kit Booking Number – if relevant • Added Quote Number (Section 5.34) to carry a relevant Quote Number related to the goods or services being invoiced • Added Section 7 – Message sample
1.7	Principal version 1.7 changes • Minor wording amendment on section 5.1 Invoice Creation Date and Time • Changed xPath for Co-requisites on section 5.36 Order identification • Changed Business Scope Identifier from 1.6 to 1.7

Table of Contents

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
Constraint information of Loan/Consignment Stock Order is orange
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.

```
┌─────────────────────────────────────────────────┐
│ Standard Business Document                       │
│  ┌─────────────────────────────────────────────┐│
│  │      Standard Business Document Header       ││
│  └─────────────────────────────────────────────┘│
│  ┌─────────────────────────────────────────────┐│
│  │ Message                                      ││
│  │  ┌──────────────────────────────────────────┐│
│  │  │ Transaction                              ││
│  │  │  ┌───────────────────────────────────────┤│
│  │  │  │ Command                              ││ │
│  │  │  │  ┌────────────────────────────────┐  ││ │
│  │  │  │  │                                │  ││ │
│  │  │  │  │        Invoice Message         │  ││ │
│  │  │  │  │                                │  ││ │
│  │  │  │  └────────────────────────────────┘  ││ │
│  │  │  └───────────────────────────────────────┤│
│  │  └──────────────────────────────────────────┘│
│  └─────────────────────────────────────────────┘│
└─────────────────────────────────────────────────┘
```
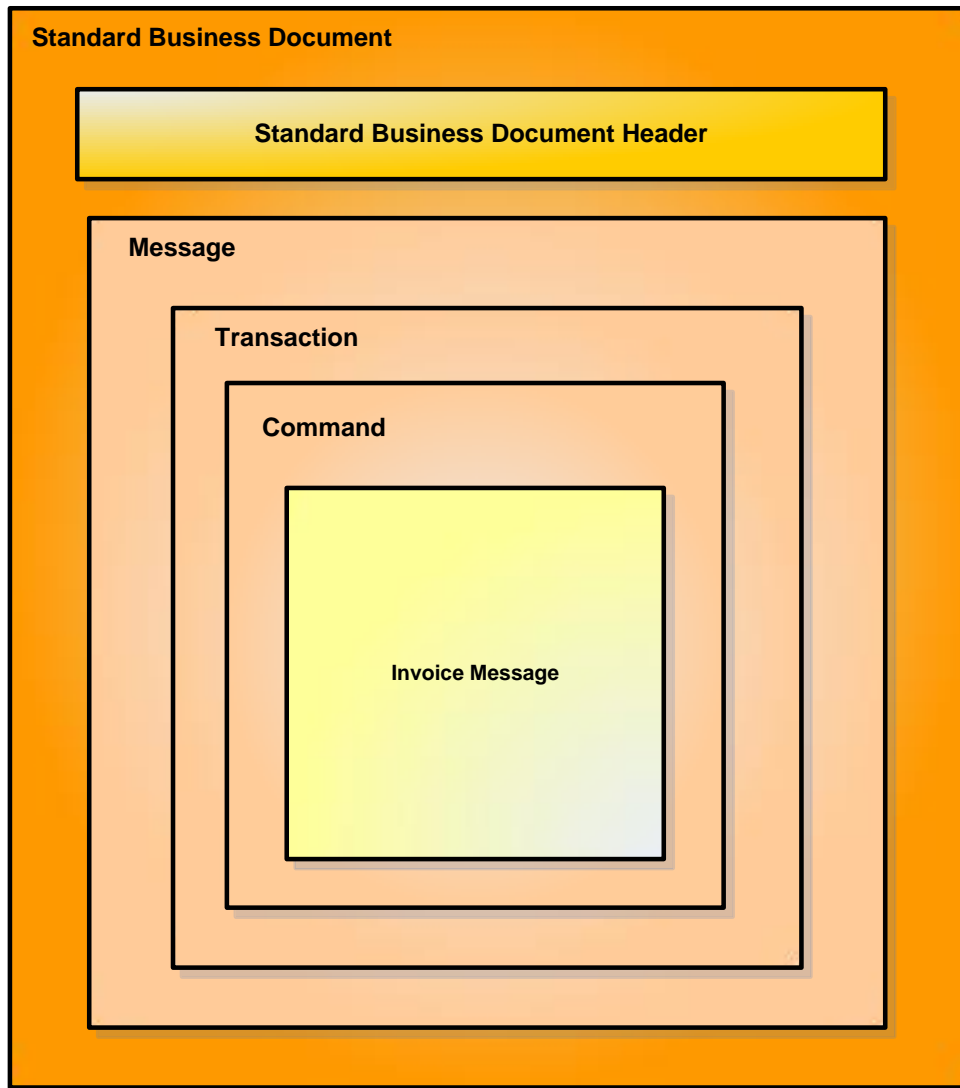
1.3   Global Trade Item Numbers - GTINs

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 Notations and Conventions

The following describes the different columns in the business data model tables. *(Note: This section is applicable to Loan Products schema constraints only)*

Table 1: A list of descriptions for the format of data elements

Format	Description
AN,n	Alpha-Numeric characters where n is the maximum characters allowed, by default any trailing spaces are stripped prior to transmission. Where n is not provided the length of the value is theoretically unrestricted by the standard.
Nx,y	Numeric characters where x is the whole digit maximum and y is the decimal maximum.
D	Date format YYYY-MM-DD
DT	Date/Time format e.g. "2009-08-21T14:15:16.000+08:00"
LIST	List of values available for selection.

Table 1 defines the format of data elements for the fields used in the eProcurement messages.

Table 2: A list of descriptions for status of data elements

Status	Description
M	Mandatory: Base Status/Attribute is mandatory so status shall also be mandatory.
R	Required: Base Status/Attribute is Conditional, but for this MIG it shall always be sent.
C	Conditional: Shall or may be sent where stated conditions apply.
O	Optional: May be sent, by agreement between parties.
X	Not used: Never sent.
F	Is mandatory and the value is 'fixed' (ie. Does not change.)

Table 2 defines the data attribute requirements for the fields used in the eProcurement messages.

1.5   Business Rules

(Note: This section is applicable to Loan and Consignment Products schema constraints only)

Invoices will be created and sent by trading partners using the following business rules:

- Invoice messages are sent from the trading partner and integrated into the hospital or departmental system. The Invoice message has been mapped to NEHTA Specifications v1.7 that is a subset of the GS1 XML V2.6 messages and Standards Australia AS5023 Health Sector Supply Chain Messaging.

- When the Invoice is received it is matched to the latest version of the Purchase Order.

- On the successful validation of Invoices payments would be processed according to any agreed payment terms.

- One Invoice message is required per each Loan Purchase Order (which is related to a single Booking Request).

- The GTINs, Buyer and/or Supplier item numbers and quantities displayed in the Invoice must be equal to the GTINs, Buyer and/or Supplier item numbers and quantities in the Consumption Report.

- The use of the Allowances/Charges and Payment Terms structures within the message are at the discretion of the buyer and specific trading relationships.

- All line items must contain a GTIN value. Where a valid GTIN is not available this field must be padded with 14 zero's and any relevant Buyer and Supplier item numbers will be provided.

- Where the Invoice relates to a Booking Request, the Booking Request Number must be provided.

1.6   Reference documents

The information in this document is based on the documents identified in the Reference Section at the end of this document. For more information about the business rules of Loan/Consignment Stock Order or other message types that are used in Loan/Consignment Stock Order (such as Booking request, Booking Request Acknowledgement, Consumption Report and Return Despatch Advice), please refer to "Loan Products Booking and Consumption Implementation Guide version 1.1".

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			…				
Invoice Charges							
	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
2a	Item Unit Price(For Loan & Consignment only)	invoiceLineItem→ itemPriceInclusiveAllowancesCharges Base unit price of item. Including GST, Charges and Allowances.
3	Extended Price ex GST	invoiceLineItem→amountExclusive→AllowancesCharges *Calc:* = (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 *Calc:* = (4) x (5)
7	Item Extended Price inc GST	invoiceLineItem→invoiceLineInformationAfterTaxes→ amountExclusiveAllowancesCharges *Calc:* = (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 *Calc:* = (10) x (11)
13	Trade Discount	An 'allowance' and shall reduce the total value of the invoice.
14	Item Total ex GST	invoiceLineItem→amountInclusiveAllowancesCharges *Calc:* = (3) + sum(9)
15	Item Total inc GST	invoiceLineItem→invoiceLineItemInformationAftertaxes→ amountInclusiveAllowancesCharges *Calc:* = (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.

Note	Element	Notes and Clarifications
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)
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

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	StandardBusinessDocumentHeader→HeaderVersion				
Basic Type	Element				
Comments	This is the version number of the SBDH standard.				
Schema Constraints	Mandatory: Yes – GS1 constraint.				
	Data Type: string				
	Cardinality: 1..1				
	Shall be set to '1.0'				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes – GS1 constraint.				
	Data Type: string				
	Cardinality: 1..1				
	Shall be set to '1.0'				

	Format : N1,1		*Status:* F
Co-requisites	StandardBusinessDocumentHeader→Sender *(Partner)* StandardBusinessDocumentHeader→Receiver *(Partner)* StandardBusinessDocumentHeader→DocumentIdentification *(DocumentIdentification)* StandardBusinessDocumentHeader→BusinessScope *(BusinessScope)*		
Optional Elements			

3.2   Sender

AS5023 Reference	*Section*:	*Group:*	*Element:* Sender
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Sender→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> Sender element can be used even though the schema allows for multiple elements. The Sender Identifier shall be the GLN of the sending organisation.		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: Global Location Number		
	Cardinality: 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.		

	Format : N,13		Status: M	
Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender) →Identifier→Authority *(Attribute - string)* →ContactInformation→Contact *(string)* →ContactInformation→EmailAddress *(string)* →ContactInformation→FaxNumber *(string)* →ContactInformation→TelephoneNumber *(string)*			
Optional Elements	(Relative to StandardBusinessDocumentHeader→Sender) →ContactInformation→ContactTypeIdentifier *(string)*			

3.3   Authority

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Sender→Identifier→Authority		
Basic Type	Attribute		
Comments	This attribute shall be used according to GS1 standards.		
Schema Constraints	*Mandatory:* Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to 'EAN.UCC'		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to 'EAN.UCC'		

Format : AN,7		*Status:* F
Co-requisites	None	
Optional Elements	None	

3.4   Sender Name

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Sender→ContactInformation→Contact		
Basic Type	Element		
Comments	This element is conditionally required if ContactInformation is used as per UN/CEFACT schema definition.		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 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.		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No		
	Data Type: string		
	Cardinality: 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.		
	Format : AN,		*Status:* O

Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →EmailAddress *(string)* →FaxNumber *(string)* →TelephoneNumber *(string)*
Optional Elements	→ContactTypeIdentifier *(string)*

3.5 Sender Email Address

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→Sender→ContactInformation→ EmailAddress			
Basic Type	Element			
Comments	Optional in UN/CEFACT schema definition.			
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 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).			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: string			
	Cardinality: 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).			
	Format : AN,60		Status: O	

Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation)
	→Contact *(string)*
	→FaxNumber *(string)*
	→TelephoneNumber *(string)*
Optional Elements	→ContactTypeIdentifier *(string)*

3.6 Sender Fax Number

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→Sender→ContactInformation→ FaxNumber			
Basic Type	Element			
Comments	Optional in UN/CEFACT schema definition.			
Schema Constraints	*Mandatory:* No			
	Data Type: string			
	Cardinality: 0..1			
	Fax number of technical contact in the sending organisation that is able to address issues concerning message delivery.			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: string			
	Cardinality: 0..1			
	Fax number of technical contact in the sending organisation that is able to address issues concerning message delivery.			
	Format : AN,25		*Status:* O	

Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact *(string)* →EmailAddress *(string)* →TelephoneNumber *(string)*
Optional Elements	→ContactTypeIdentifier *(string)*

3.7   Sender Phone Number

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	StandardBusinessDocumentHeader→Sender→ContactInformation→ TelephoneNumber				
Basic Type	Element				
Comments	Optional in UN/CEFACT schema definition.				
Schema Constraints	Mandatory: No				
	Data Type: string				
	Cardinality: 0..1				
	Phone number of technical contact in the sending organisation that is able to address issues concerning message delivery.				
Schema Constraints Loan / Consignment Stock Order	Mandatory: No				
	Data Type: string				
	Cardinality: 0..1				
	Phone number of technical contact in the sending organisation that is able to address issues concerning message delivery.				
	Format : AN,25			Status: O	

Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact *(string)* →EmailAddress *(string)* →FaxNumber *(string)*
Optional Elements	→ContactTypeIdentifier *(string)*

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 one Receiver element can be used even though the schema allows for multiple elements. The Receiver Identifier shall be the GLN of the sending organisation.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..*			
	Only one Receiver element can be used even though the schema allows for multiple elements. The Receiver Identifier shall be the GLN of the sending organisation.			
	Format : N,13		Status: M	

Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver)
	→Identifier→Authority *(Attribute - string)*
	→ContactInformation→Contact *(string)*
	→ContactInformation→EmailAddress *(string)*
	→ContactInformation→FaxNumber *(string)*
	→ContactInformation→TelephoneNumber *(string)*
Optional Elements	(Relative to StandardBusinessDocumentHeader→Receiver)
	→ContactInformation→ContactTypeIdentifier *(string)*

3.9 Receiver Authority

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→Identifier→Authority			
Basic Type	Attribute			
Comments	This attribute shall be used according to GS1 standards.			
Schema Constraints	Mandatory: Yes			
	Data Type: string			
	Cardinality: 1..1			
	Shall be set to 'EAN.UCC'			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: string			
	Cardinality: 1..1			
	Shall be set to 'EAN.UCC' .			
	Format : AN,7		Status: F	

Co-requisites	None
Optional Elements	None

3.10   Receiver Name

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact				
Basic Type	Element				
Comments	This element is mandatory if ContactInformation is used as per UN/CEFACT schema definition.				
Schema Constraints	Mandatory: No				
	Data Type: string				
	Cardinality: 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).				
Schema Constraints Loan / Consignment Stock Order	Mandatory: No				
	Data Type: string				
	Cardinality: 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).				
	Format : AN,50			Status: O	
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →EmailAddress *(string)* →FaxNumber *(string)* →TelephoneNumber *(string)*				

Optional Elements	→ContactTypeIdentifier *(string)*

3.11   Receiver Email Address

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→ContactInformation→ EmailAddress			
Basic Type	Element			
Comments	Optional in UN/CEFACT schema definition.			
Schema Constraints	*Mandatory:* No			
	Data Type: string			
	Cardinality: 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).			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: string			
	Cardinality: 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).			
	Format : AN,60		*Status:* O	
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact *(string)* →FaxNumber *(string)* →TelephoneNumber *(string)*			
Optional Elements	→ContactTypeIdentifier *(string)*			

3.12   Receiver Fax Number

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→ContactInformation→ FaxNumber				
Basic Type	Element				
Comments	Optional in UN/CEFACT schema definition.				
Schema Constraints	Mandatory: No				
	Data Type: string				
	Cardinality: 0..1				
	Fax number of technical contact in the receiving organisation that is able to address issues concerning message delivery.				
Schema Constraints Loan / Consignment Stock Order	Mandatory: No				
	Data Type: string				
	Cardinality: 0..1				
	Fax number of technical contact in the receiving organisation that is able to address issues concerning message delivery.				
	Format : AN,25			Status: O	
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact (string) →EmailAddress (string) →TelephoneNumber (string)				
Optional Elements	→ContactTypeIdentifier (string)				

3.13 Receiver Phone Number

AS5023 Reference	*Section*:	*Group:*		*Element:*
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→Receiver→ContactInformation→ TelephoneNumber			
Basic Type	Element			
Comments	Optional in UN/CEFACT schema definition.			
Schema Constraints	*Mandatory:* No			
	Data Type: string			
	Cardinality: 0..1			
	Phone number of technical contact in the receiving organisation that is able to address issues concerning message delivery.			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: string			
	Cardinality: 0..1			
	Phone number of technical contact in the receiving organisation that is able to address issues concerning message delivery.			
	Format : AN,25		*Status:* O	
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →Contact *(string)* →EmailAddress *(string)* →FaxNumber *(string)*			
Optional Elements	→ContactTypeIdentifier *(string)*			

3.14   Message Document Standard

AS5023 Reference	Section:	Group:		Element:	
Description/Comments					
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→Standard				
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 'EAN.UCC'				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes				
	Data Type: string				
	Cardinality: 1..1				
	Shall be set to 'EAN.UCC'				
	Format : AN,7			Status: F	
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →TypeVersion (string) →InstanceIdentifier (string) →Type (string) →MultipleType (boolean) →CreationDateAndTime (dateTime)				
Optional Elements	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'				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes				
	Data Type: string				
	Cardinality: 1..1				
	Shall be set to the version number of the invoice schema e.g. '2.6'				
	Format : N1,1			Status: M	
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard (string) →InstanceIdentifier (string) →Type (string) →MultipleType (boolean) →CreationDateAndTime (dateTime)				
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	Mandatory: Yes			
	Data Type: string			
	Cardinality: 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.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: string			
	Cardinality: 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.			
	Format : AN,30		Status: M	

Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification)
	→Standard *(string)*
	→TypeVersion *(string)*
	→Type *(string)*
	→MultipleType *(boolean)*
	→CreationDateAndTime *(dateTime)*
Optional Elements	None

3.17   Message Document Type

AS5023 Reference	Section:	Group:	Element:
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	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to 'invoice'. (The name of the root element in the payload document.)		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to 'invoice'. (The name of the root element in the payload document.)		
	Format : AN,7		Status: F

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

3.18   Message Document Multiple Types Included

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→MultipleType					
Basic Type	Element					
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.					
Schema Constraints	*Mandatory:* Yes					
	Data Type: boolean					
	Cardinality: 1..1					
	Shall be set to 'false'. (NEHTA standard – only one business document may be sent per transmission.)					
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes					
	Data Type: boolean					
	Cardinality: 1..1					
	Shall be set to 'false'. (NEHTA standard – only one business document may be sent per transmission.)					
	Format : AN,5				*Status:* F	

Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(string)* →TypeVersion *(string)* →InstanceIdentifier *(string)* →Type *(string)* →CreationDateAndTime *(dateTime)*
Optional Elements	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.					
Schema Constraints Loan / Consignment Stock Order	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.					
	Format : DT				Status: M	

Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification)
	→Standard *(string)*
	→TypeVersion *(string)*
	→InstanceIdentifier *(string)*
	→Type *(string)*
	→MultipleType *(boolean)*
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.			
Schema Constraints	*Mandatory:* Yes			
	Data Type: string			
	Cardinality: 1..1			
	Shall be set to 'NEHTA:E-Procurement'			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes			
	Data Type: string			
	Cardinality: 1..1			
	Shall be set to 'NEHTA:E-Procurement:Loan and Consignment Stock'			
	Format : AN,47		*Status:* F	

Co-requisites	StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier
Optional Elements	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier

3.21 Business Scope Identifier

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier		
Basic Type	Element		
Comments	NEHTA standards mandate the use of this element although it is optional in the UN/CEFACT schema definition.		
Schema Constraints	*Mandatory:* Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to '1.7' which is the current version of this guideline.		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: string		
	Cardinality: 1..1		
	Shall be set to '1.7' which is the current version of this guideline.		
	Format : N1,1		*Status:* M
Co-requisites	StandardBusinessDocumentHeader→BusinessScope→Scope→Type		
Optional Elements	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier		

3.22   <any>

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	<any>				
Basic Type					
Comments	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.				
Schema Constraints	Mandatory:				
	Data Type:				
	Cardinality:				
	Shall be replaced with '*message*'. See the Message Layer section.				
Schema Constraints Loan / Consignment Stock Order	Mandatory:				
	Data Type:				
	Cardinality:				
	Shall be replaced with '*message*'. See the Message Layer section.				
Co-requisites	StandardBusinessDocumentHeader				
Optional Elements	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:

```
<message> ← <any>
              ⇧
         <transaction> ← <command>
                            ⇧
                      <documentCommand> ← <document>
                                             ⇧
                                           invoice
```
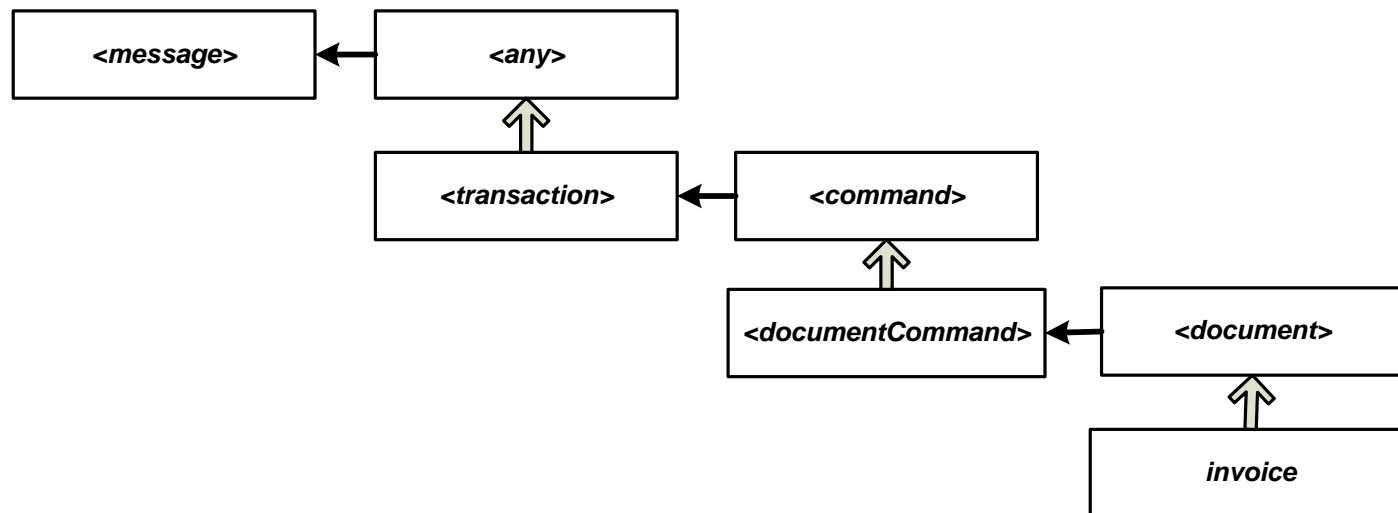
4.1 Message

4.1.1 Message: <any>

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

4.1.2 Message: Identifier

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	entityIdentification→uniqueCreatorIdentification					
Basic Type	Element					
Comments	Shall be set to the INV Number as per the *uniqueCreatorIdentification* 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.)					
Schema Constraints	*Mandatory:* Yes					
	Data Type: string					
	Cardinality: 1..1					
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes					
	Data Type: string					
	Cardinality: 1..1					
	Invoice number (as per the uniqueCreatorIdentification element in the Invoice element) prefixed by "MSG-" e.g. 'MSG-535356RI'					
	Format : AN,54			*Status:* M		
Co-requisites	(Relative to entityIdentification→contentOwner) →gln *(Global Location Number)*					
Optional Elements	(Relative to entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*					

4.1.3   Message: Owner

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	entityIdentification→contentOwner→gln					
Basic Type						
Comments						
Schema Constraints	Mandatory: Yes					
	Data Type: Global Location Number					
	Cardinality: 1..1					
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes					
	Data Type: Global Location Number					
	Cardinality: 1..1					
	Vendor GLN.					
	Format : N,13			Status: M		
Co-requisites	entityIdentification→uniqueCreatorIdentification *(string)*					
Optional Elements	(Relative to entityIdentification→contentOwner) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*					

4.2 Transaction

4.2.1 Transaction: Command

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

4.2.2 Transaction: Identifier

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	transaction→entityIdentification→uniqueCreatorIdentification				
Basic Type	Element				
Comments	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.)				
Schema Constraints	Mandatory: Yes				
	Data Type: string				
	Cardinality: 1..1				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes				
	Data Type: string				
	Cardinality: 1..1				
	Number prefixed with "TRA-". Identifies transaction and shall be distinct from all other identifiers used in message.				
	Format : AN,30			Status: M	
Co-requisites	(Relative to transaction→entityIdentification→contentOwner) →gln *(Global Location Number)*				
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*				

4.2.3 Transaction: Owner

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	transaction→entityIdentification→contentOwner→gln			
Basic Type				
Comments				
Schema Constraints	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	Vendor GLN.			
	Format : N,13		Status: M	
Co-requisites	transaction→entityIdentification→uniqueCreatorIdentification *(string)*			
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*			

4.3 Document Command

4.3.1 Document Command element

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→command→documentCommand		
Basic Type	Complex element		
Comments	This element replaces the *command* element in the *transaction* element. *documentCommand* is one element in the command substitution group.		
Schema Constraints	*Mandatory:* Yes		
	Data Type: complex element		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: complex element		
	Cardinality: 1..1		
	Replaces command element in transaction element.		
		Status: M	
Co-requisites	None		
Optional Elements	None		

4.3.2 Document Command: Business Document

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	transaction→command→documentCommand→documentCommandOperand→document				
Basic Type	abstract element				
Comments	This element is replaced with the Business Document payload i.e. invoice				
Schema Constraints	Mandatory: Yes				
	Data Type: abstract document				
	Cardinality: 1..1				
	Cardinality as defined in the GS1 XML standard is 1..*				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes				
	Data Type: abstract document				
	Cardinality: 1..1				
	Cardinality as defined in the GS1 XML standard is 1..*				
				Status: M	
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.			
Schema Constraints Loan / Consignment Stock Order	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.			
	Format : LIST		Status: M	

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

4.3.4   Document Command: Identifier

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification					
Basic Type	Element					
Comments	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.)					
Schema Constraints	*Mandatory:* Yes					
	Data Type: string					
	Cardinality: 1..1					
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes					
	Data Type: string					
	Cardinality: 1..1					
	Format : AN,30			*Status:* M		

Co-requisites	(Relative to transaction→command→documentCommand→documentCommandHeader →entityIdentification→contentOwner) →gln *(Global Location Number)*
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*

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				
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes				
	Data Type: Global Location Number				
	Cardinality: 1..1				
	Vendor GLN.				
	Format : N,13			*Status:* M	
Co-requisites	transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification *(string)*				

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

AS5023 Reference	Section: Header	Group: Opening	Element: Invoice date and time
Description/Comments			
GS1 XML Path	creationDateTime		
Basic Type	Attribute		
Comments	Time is mandatory in the XML data type, but can be all zeros, e.g. "2010-01-15T00:00:00.000		
Schema Constraints	Mandatory: Yes		
	Data Type: dateTime		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: dateTime		

	Cardinality: 1..1		
	Invoice Date and Time.		
	Time is mandatory, but can be all zeros, e.g. "2010-01-15T00:00:00.000		
	Format : DT		*Status:* M
Co-requisites	documentStatus *(list)* invoiceIdentification→uniqueCreatorIdentification *(string)* invoiceIdentification→contentOwner→gln *(Global Location Number)* invoiceCurrency→currencyISOCode *(list)* invoiceType *(list)* buyer→partyIdentification→gln *(Global Location Number)* seller→partyIdentification→gln *(Global Location Number)* invoiceLineItem *(InvoiceLineItemType)* invoiceTotals→totalInvoiceAmount *(float)* invoiceTotal→totalTaxAmount *(float)*		
Optional Elements	All other elements		

5.2 Document Status

AS5023 Reference	*Section*: Header	*Group:* Opening	*Element:* Document Status
Description/Comments			
GS1 XML Path	documentStatus		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: list		

	Cardinality: 1..1
	Allowable values are: COPY ORIGINAL REPLACE Unless there are specific instructions by the accountants, REPLACE shall NOT be used.
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes
	Data Type: list
	Cardinality: 1..1
	DH currently only accepts "ORIGINAL" as a valid value.
	Format : LIST *Status:* M
Co-requisites	creationDateTime *(dateTime)* invoiceType *(list)* invoiceIdentification→uniqueCreatorIdentification *(string)* invoiceIdentification→contentOwner→gln *(Global Location Number)* invoiceCurrency→currencyISOCode *(list)* buyer→partyIdentification→gln *(Global Location Number)* seller→partyIdentification→gln *(Global Location Number)* invoiceLineItem *(InvoiceLineItemType)* invoiceTotals→totalInvoiceAmount *(float)* invoiceTotal→totalTaxAmount *(float)*
Optional Elements	All other elements

5.3 Invoice Number

AS5023 Reference	Section: Header	Group: Opening	Element: Invoice Number
Description/Comments			
GS1 XML Path	invoiceIdentification→uniqueCreatorIdentification		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	Format : AN,50	Status: M	

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

5.4   Invoice Content Owner

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

	Vendor GLN	
	Format : N,13	Status: M
Co-requisites	invoiceIdentification→uniqueCreatorIdentification *(string)* creationDateTime *(dateTime)* documentStatus *(list)* invoiceType *(list)* invoiceCurrency→currencyISOCode *(list)* buyer→partyIdentification→gln *(Global Location Number)* seller→partyIdentification→gln *(Global Location Number)* invoiceLineItem *(InvoiceLineItemType)* invoiceTotals→totalInvoiceAmount *(float)* invoiceTotal→totalTaxAmount *(float)*	
Optional Elements	All other elements	

5.5   Currency

AS5023 Reference	Section: Header	Group: Payment	Element: Currency
Description/Comments			
GS1 XML Path	invoiceCurrency→currencyISOCode		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: string - ISO 4217 code		
	Cardinality: 1..1		

	This shall be the alphabetic code as defined in ISO 4217. (Refer to the following web page for details: http://www.currency-iso.org/en/home/tables/table-a1.html
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes
	Data Type: string - ISO 4217 code
	Cardinality: 1..1
	Invoice Currency ISO 4217 Code.Normally "AUD".
	Format : LIST *Status:* M
Co-requisites	invoiceType *(list)* creationDateTime *(dateTime)* documentStatus *(list)* invoiceIdentification→uniqueCreatorIdentification *(string)* buyer→partyIdentification→gln *(Global Location Number)* seller→partyIdentification→gln *(Global Location Number)* invoiceLineItem *(InvoiceLineItemType)* invoiceTotals→totalInvoiceAmount *(float)* invoiceTotals→totalTaxAmount *(float)*
Optional Elements	All other elements

5.6   Invoice Type

AS5023 Reference	*Section*: Header	*Group:* Opening	*Element:* Message Type
Description/Comments			
GS1 XML Path	invoiceType		
Basic Type	Element		
Comments	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.		

Schema Constraints	Mandatory: Yes		
	Data Type: list		
	Cardinality: 1..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
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: list		
	Cardinality: 1..1		
	Set to "TAX_INVOICE".		
	Format : LIST		Status: M
Co-requisites	creationDateTime *(dateTime)* documentStatus *(list)* invoiceIdentification→uniqueCreatorIdentification *(string)* invoiceIdentification→contentOwner→gln *(Global Location Number)* invoiceCurrency→currencyISOCode *(list)* buyer→partyIdentification→gln *(Global Location Number)* seller→partyIdentification→gln *(Global Location Number)* invoiceLineItem *(InvoiceLineItemType)* invoiceTotals→totalInvoiceAmount *(float)* invoiceTotal→totalTaxAmount *(float)*		
Optional Elements	All other elements		

5.7 Remit To

5.7.1 Global Location Number

AS5023 Reference	Section: Header	Group: Party identification		Element: Remit To
Description/Comments				
GS1 XML Path	remitTo→partyIdentification→gln			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	Remit to GLN			
	Format : N,13		Status: X	
Co-requisites				
Optional Elements	remitTo→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* remitTo→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationType *(list)*			

5.8   Buyer

5.8.1   Global Location Number

AS5023 Reference	*Section*: Header	*Group:* Party identification		*Element:* Buyer
Description/Comments				
GS1 XML Path	buyer→partyIdentification→gln			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	GLN for DH: 9377779142295			
	Format : N,13		*Status:* M	
Co-requisites	seller→partyIdentification→gln *(Global Location Number)*			
Optional Elements	buyer→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* buyer→partyIdentification→additionalPartyIdentification→additionalPartyIdentificationType *(list)*			

5.8.2 Buyer Account Number

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Buyer Details			
GS1 XML Path	buyer→accountNumber→number			
Basic Type	Element			
Comments	This shall be used for Credit Notes where the amount will be directly credited to the Buyer's Account.			
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: string			
	Cardinality: 1..1			
	Buyer's account number.			
	Format : AN		Status: O	
Co-requisites	buyer→accountNumber→accountNumberType *(list)* buyer→partyIdentification→gln *(Global Location Number)*			
Optional Elements	buyer→companyRegistrationNumber *(string)* buyer→extension *(ExtensionType)*			

5.8.3   Buyer Account Type

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

5.8.4 Buyer ABN

AS5023 Reference	Section: Header	Group: Party Identification		Element: Buyer
Description/Comments				
GS1 XML Path	buyer→companyRegistrationNumber			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 0..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: string			
	Cardinality: 0..1			
	Format : AN,20		Status: O	
Co-requisites	buyer→partyIdentification→gln (Global Location Number)			
Optional Elements	buyer→accountNumber (AccountNumberType) buyer→extension (ExtensionType)			

5.9   Seller

5.9.1   Global Location Number

AS5023 Reference	Section: Header	Group: Party Identification		Element: Seller
Description/Comments				
GS1 XML Path	seller→partyIdentification→gln			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	Vendor GLN.			
	Format : N,13		Status: M	
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			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: string			
	Cardinality: 1..1			
	Vendor's account number.			
	Format : AN		Status: O	
Co-requisites	seller→accountNumber→accountNumberType (list) seller→partyIdentification→gln (Global Location Number)			
Optional Elements	seller→companyRegistrationNumber (string) seller→extension (ExtensionType)			

5.9.3   Seller Account Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Seller Details		
GS1 XML Path	seller→accountNumber→accountNumberType		
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: list		
	Cardinality: 1..1		
	Allowable values are: 01_TIME_DEPOSIT 03_CHECKING_ACCOUNT 10_BUSINESS_ACCOUNT		
Schema Constraints Loan / Consignment Stock Order	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	Allowable values are: 01_TIME_DEPOSIT 03_CHECKING_ACCOUNT 10_BUSINESS_ACCOUNT		
	Format : LIST		Status: O
Co-requisites	seller→accountNumber→number *(string)* seller→partyIdentification→gln *(Global Location Number)*		
Optional Elements	seller→companyRegistrationNumber *(string)* seller→extension *(ExtensionType)*		

5.9.4 Seller ABN

AS5023 Reference	Section: Header		Group: Party Identification		Element: Supplier ABN
Description/Comments					
GS1 XML Path	seller→companyRegistrationNumber				
Basic Type	Element				
Comments					
Schema Constraints	Mandatory: Yes - NEHTA requirement				
	Data Type: string				
	Cardinality: 0..1				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes - NEHTA requirement				
	Data Type: string				
	Cardinality: 0..1				
	Vendor's ABN.				
	Format : AN,20			Status: M	
Co-requisites	seller→partyIdentification→gln (Global Location Number)				
Optional Elements	seller→accountNumber (AccountNumberType) seller→extension (ExtensionType)				

5.10   Ship To Logistics

5.10.1   Ship To (Party)

AS5023 Reference	Section: Header		Group: Party Identification	Element: Ship to Location
Description/Comments				
GS1 XML Path	shipToLogistics→shipTo→gln			
Basic Type	Element			
Comments	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.			
Schema Constraints	Mandatory: No			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	Cardinality of *shipToLogistics* is 0..1 (This is the first *shipToLogistics* in the chain.)			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: Global Location Number			
	Cardinality: 1..1			
	Ship To GLN.			
	Format : N,13		Status: O	
Co-requisites	None			
Optional Elements	shipToLogistics →shipTo→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* shipToLogistics →shipTo→additionalPartyIdentification→additionalPartyIdentificationType *(list)*			

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

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceAllowanceCharge➔allowanceOrChargeType			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: list			
	Cardinality: 0..1			
	Allowable values are: ALLOWANCE CHARGE			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: list			
	Cardinality: 0..1			
	Allowable values are: ALLOWANCE CHARGE			
	Format : LIST		Status: O	
Co-requisites	None			

Optional Elements	(Relative to invoiceAllowanceCharge)
	→invoiceAllowanceChargeAmount *(float)*
	→invoiceAllowanceChargeType *(AllowanceChargeListType)*
	→invoiceTaxInformation *(InvoiceTaxInformationType)*
	→invoiceAllowanceChargePercentage *(PercentageType)*

5.11.2   Amount

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceAllowanceCharge→invoiceAllowanceChargeAmount			
Basic Type	Element			
Comments	This is the full amount of the allowance, charge, or discount before GST.			
Schema Constraints	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
	Cardinality of *invoiceAllowanceChargeAmount* is 0..*			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
	Cardinality of *invoiceAllowanceChargeAmount* is 0..*			
	Format : N		Status: O	
Co-requisites	None			

Optional Elements	(Relative to invoiceAllowanceCharge) →invoiceAllowanceChargeType *(AllowanceChargeListType)* →invoiceAllowanceOrChargeType *(AllowanceOrChargeListType)* →invoiceTaxInformation *(InvoiceTaxInformationType)*

5.11.3   Allowance Or 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	
Schema Constraints Loan / Consignment Stock Order	*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
	Format : LIST		*Status:* O
Co-requisites	None		
Optional Elements	(Relative to invoiceAllowanceCharge) →invoiceAllowanceChargeAmount *(float)* →invoiceAllowanceOrChargeType *(AllowanceOrChargeListType)* →invoiceTaxInformation *(InvoiceTaxInformationType)* → invoiceAllowanceChargePercentage *(PercentageType)*		

5.11.4   Tax Type

AS5023 Reference	*Section*: Header	*Group:*	*Element:*
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	invoiceAllowanceCharge→invoiceTaxInformation→dutyTaxFeeType		
Basic Type	Element		
Comments			
Schema Constraints	*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 for details on which elements are required and how they are used in specific circumstances.		

Schema Constraints Loan / Consignment Stock Order	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 for details on which elements are required and how they are used in specific circumstances.	
	Format : LIST	Status: O
Co-requisites	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →taxAmount *(float)* →taxableAmount *(float)* →taxPercentage *(PercentageType)*	
Optional Elements	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*	

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	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.	
Schema Constraints	*Mandatory:* No	
	Data Type: float	
	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.	
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No	
	Data Type: float	
	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.	
	Format : N	*Status:* O
Co-requisites	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxAmount *(float)* →taxPercentage *(PercentageType)*	
Optional Elements	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*	

5.11.6 Tax Amount

AS5023 Reference	*Section*: Header		*Group:*		*Element:*
Description/Comments	Refer to Allowances and Charges				
GS1 XML Path	invoiceAllowanceCharge→invoiceTaxInformation→taxAmount				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: float				
	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. This is the actual amount of GST to be paid. Calculation: Taxable Amount of Allowance or Charge x GST rate.				
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No				
	Data Type: float				
	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. This is the actual amount of GST to be paid. Calculation: Taxable Amount of Allowance or Charge x GST rate.				
	Format : N			*Status:* O	
Co-requisites	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxableAmount *(float)* →taxPercentage *(PercentageType)*				

Optional Elements	(Relative to invoiceAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.11.7   Tax Rate

AS5023 Reference	*Section*: Header	*Group:*		*Element:*
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceAllowanceCharge→invoiceTaxInformation→taxPercentage			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: PercentageType			
	Cardinality: 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.			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: PercentageType			
	Cardinality: 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.			
	Format : N		*Status:* O	

Co-requisites	(Relative to invoiceAllowanceCharge→invoiceTaxInformation)
	→dutyTaxFeeType *(list)*
	→taxableAmount *(float)*
	→taxAmount *(float)*
Optional Elements	(Relative to invoiceAllowanceCharge→invoiceTaxInformation)
	→extension *(ExtensionType)*
	→taxAmountInTaxAccountingCurrency *(float)*
	→taxableAmountInTaxAccountingCurrency *(float)*
	→dutyTaxFreeDescription *(string)*

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

AS5023 Reference	*Section*: Header	*Group:* Payment		*Element:* Payment Terms
Description/Comments				
GS1 XML Path	(Relative to paymentTerms→netPayment→paymentTimePeriod) Choice of: →date →dayOfMonthDue → timePeriodDue → value *and* →timePeriod			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: date (*date* element) integer (*dayOfMonth* element) Non-negative Integer (*value* element) list (*timePeriod* element)			
	Cardinality: 1..1			
	Allowable values for timePeriod are: DAYS MONTHS WEEKS			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: date (*date* element) integer (*dayOfMonth* element) Non-negative Integer (*value* element) list (*timePeriod* element)			
	Cardinality: 1..1			
	Allowable values for timePeriod are: DAYS MONTHS WEEKS			
			Status: O	

Co-requisites	paymentTerms→paymentTermsType *(Attribute, list)*
	paymentTerms→paymentTermsEvent *(Attribute, list)*
Optional Elements	paymentTerms→installmentDue *(InstallmentDueType)*
	paymentTerms→discountPayment *(DiscountPaymentType)*
	paymentTerms→proximoCutOffDay *(ProximoCutOffDayType)*
	paymentTerms→paymentMethod *(PaymentMethodType)*

5.12.2   Payment Method

AS5023 Reference	*Section*: Header	*Group:* Payment		*Element:* Payment Method
Description/Comments				
GS1 XML Path	paymentTerms→paymentMethod			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: list			
	Cardinality: 0..1			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: list			
	Cardinality: 0..1			
	Format : LIST		*Status:* O	

Co-requisites	paymentTerms→paymentTermsType *(Attribute, list)*
	paymentTerms→paymentTermsEvent *(Attribute, list)*
	paymentTerms→automatedClearingHousePayments
	paymentTerms→paymentMethodType
Optional Elements	paymentTerms→netPayment *(NetPaymentType)*
	paymentTerms→installmentDue *(InstallmentDueType)*
	paymentTerms→discountPayment *(DiscountPaymentType)*
	paymentTerms→proximoCutOffDay *(ProximoCutOffDayType)*
	paymentTerms→paymentMethod *(PaymentMethodType)*

5.12.3 Payment Type

AS5023 Reference	*Section*: Header	*Group:* Payment		*Element:* Payment Terms
Description/Comments				
GS1 XML Path	paymentTerms→paymentTermsType			
Basic Type	Attribute			
Comments	This identifies the specific type of payment terms.			
Schema Constraints	*Mandatory:* No			
	Data Type: list			
	Cardinality: 1..1			
	Cardinality of paymentTerms is 0..*			
	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

Schema Constraints Loan / Consignment Stock Order	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	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
	Format : LIST		Status: O
Co-requisites	paymentTerms→paymentTermsEvent *(Attribute, list)*		
Optional Elements	paymentTerms→netPayment *(NetPaymentType)* paymentTerms→installmentDue *(InstallmentDueType)* paymentTerms→discountPayment *(DiscountPaymentType)* paymentTerms→proximoCutOffDay *(ProximoCutOffDayType)* paymentTerms→paymentMethod *(PaymentMethodType)*		

5.12.4 Payment Event

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

	Data Type: 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	
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: list			
	Cardinality: 1..1			
	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	
	Format : LIST		*Status:* O	
Co-requisites	paymentTerms→paymentTermsType *(Attribute, list)*			
Optional Elements	paymentTerms→netpayment *(NetPaymentType)* paymentTerms→installmentDue *(InstallmentDueType)* paymentTerms→discountPayment *(DiscountPaymentType)* paymentTerms→proximoCutOffDay *(ProximoCutOffDayType)* paymentTerms→paymentMethod *(PaymentMethodType)*			

5.12.5 Discount Time/Period

AS5023 Reference	Section: Header	Group: Payment		Element: Payment Terms
Description/Comments				
GS1 XML Path	(Relative to paymentTerms→discountPayment→paymentTimePeriod) Choice of: →date 　　　　　→dayOfMonthDue 　　　　　→timePeriodDue →value→ *and* →timePeriod			
Basic Type	Element			
Comments	See section 2.4 Discounts for detailed information.			
Schema Constraints	*Mandatory:* No			
	Data Type: 　　date (*date* element) 　　　　　integer (*dayOfMonth* element) 　　　　　Non-negative Integer (*value* element) 　　　　　list (*timePeriod* element)			
	Cardinality: 1..1			
	Allowable values for timePeriod are: DAYS　　　MONTHS　　　WEEKS			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: 　　date (*date* element) 　　　　　integer (*dayOfMonth* element) 　　　　　Non-negative Integer (*value* element) 　　　　　list (*timePeriod* element)			
	Cardinality: 1..1			
	Allowable values for timePeriod are: DAYS　　　MONTHS　　　WEEKS			
			Status: O	

Co-requisites	paymentTerms→discountPayment→discountType *(Attribute, list)*
	paymentTerms→paymentTermsType *(Attribute, list)*
	paymentTerms→paymentTermsEvent *(Attribute, list)*
Optional Elements	(Relative to paymentTerms)
	→discountPayment →discountDescription *(MultiDescriptionType)*
	→discountPayment →discountAmount *(AmountType)*
	→discountPayment →discountPercent *(PercentageType)*
	→netPayment *(NetPaymentType)*
	→installmentDue *(InstallmentDueType)*
	→proximoCutOffDay *(ProximoCutOffDayType)*
	→paymentMethod *(PaymentMethodType)*

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			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: string			
	Cardinality: 1..1			

	Format : N		*Status:* O
Co-requisites	paymentTerms➜discountPayment➜paymentTimePeriod *(Complex, paymentTimePeriodType)* paymentTerms➜paymentTermsType *(Attribute, List)* paymentTerms➜paymentTermsEvent *(Attribute, List)*		
Optional Elements	(Relative to paymentTerms) ➜discountPayment ➜discountDescription *(MultiDescriptionType)* ➜discountPayment ➜discountAmount *(AmountType)* ➜discountPayment ➜discountPercent *(PercentageType)* ➜netPayment *(NetPaymentType)* ➜installmentDue *(InstallmentDueType)* ➜proximoCutOffDay *(ProximoCutOffDayType)* ➜paymentMethod *(PaymentMethodType)*		

5.12.7   Discount Amount

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

Schema Constraints Loan / Consignment Stock Order	Mandatory: No	
	Data Type: float	
	Cardinality: 1..1	
	Format : N	Status: O
Co-requisites	(Relative to paymentTerms) →discountPayment→discountAmount→currencyCode→currencyISOCode *(list)* →discountPayment→paymentTimePeriod *(Complex, paymentTimePeriodType)* →discountPayment→discountType *(Attribute, list)* →paymentTermsType *(Attribute, list)* →paymentTermsEvent *(Attribute, list)*	
Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription *(MultiDescriptionType)* →discountPayment→discountPercent *(PercentageType)* →netPayment *(NetPaymentType)* →installmentDue *(InstallmentDueType)* →proximoCutOffDay *(ProximoCutOffDayType)* →paymentMethod *(PaymentMethodType)*	

5.12.8   Discount Currency

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	→discountPayment→discountAmount→currencyCode→currencyISOCode		
Basic Type	Element		
Comments	See section 2.4 Discounts for detailed information.		

Schema Constraints	*Mandatory:* No	
	Data Type: List	
	Cardinality: 1..1	
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No	
	Data Type: List	
	Cardinality: 1..1	
	Format : LIST	*Status:* O
Co-requisites	(Relative to paymentTerms) →discountPayment→discountAmount→ monetaryAmount *(float)* →discountPayment→paymentTimePeriod *(Complex, paymentTimePeriodType)* →discountPayment→discountType *(Attribute, List)* →paymentTermsType *(Attribute, List)* →paymentTermsEvent *(Attribute, List)*	
Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription *(MultiDescriptionType)* →discountPayment→discountPercent *(PercentageType)* →netPayment *(NetPaymentType)* →installmentDue *(InstallmentDueType)* →proximoCutOffDay *(ProximoCutOffDayType)* →paymentMethod *(PaymentMethodType)*	

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

AS5023 Reference	Section: Detail	Group: Product Identifier	Element: Unique Product Identifier
Description/Comments			
GS1 XML Path	invoiceLineItem→tradeItemIdentification→gtin		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: Global Trade Item Number[2]		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: Global Trade Item Number[3]		
	Cardinality: 1..1		
	Product GTIN.		
	Format : N,14	Status: M	
Co-requisites	(Relative to invoiceLineItem) →number (Non-negative Integer) →invoicedQuantity→value (float) →transferOfOwnershipDate (date)		

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[2] This must be padded with 0's to the full 14 characters. See section 1.3.
[3] This must be padded with 0's to the full 14 characters. See section 1.3.

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*)

5.14.2 Buyer's Product Code

AS5023 Reference	Section: Detail		Group: Product Identifier		Element: Buyer's product code
Description/Comments					
GS1 XML Path	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue				
Basic Type	Element				
Comments					
Schema Constraints	Mandatory: No				
	Data Type: string				
	Cardinality: 1..1				
	additionalTradeItemIdentificationType shall be set to 'BUYER_ASSIGNED'				
Schema Constraints Loan / Consignment Stock Order	Mandatory: No				
	Data Type: string				
	Cardinality: 1..1				
	Buyer's Product Code				
	Format : AN			Status: O	
Co-requisites	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType				
Optional Elements	None				

5.14.3 Supplier's Product Code

AS5023 Reference	Section: Detail	Group: Product Identifier	Element: Supplier product code
Description/Comments			
GS1 XML Path	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	additionalTradeItemIdentificationType shall be set to 'SUPPLIER_ASSIGNED'		
Schema Constraints Loan / Consignment Stock Order	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Supplier's Product Code.		
	Format : AN,25	Status: R	
Co-requisites	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
Optional Elements	None		

5.14.4 Booking Reference Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	This iteration specifically relates to the Booking Reference Number that may be related to an item from an original Loan Kit Booking Request.		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	additionalTradeItemIdentificationType shall be set to 'FOR_INTERNAL_USE_1'		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
Optional Elements	None		

5.14.5 Additional Trade Item Identification Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
Basic Type			
Comments	This element identifies the origin of the alternate item code.		
Schema Constraints	*Mandatory:* No		
	Data Type: list		

	Cardinality: 1..1
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED FOR_INTERNAL_USE_1 (GS1 also has specified 20 internal use codes in addition to the standard codes. FOR_INTERNAL_USE_1 has been allocated for use to communicate the Booking Reference Number where required. Additional codes shall NOT be used unless there is a strong case and the details of usage have been discussed with GS1.)
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes
	Data Type: list
	Cardinality: 1..1
	Additional Trade Item Identification Type Value is "SUPPLIER_ASSIGNED"
	Format : LIST *Status:* R
Co-requisites	invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue
Optional Elements	None

5.15   Transfer of Ownership Date

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	invoiceLineItem→transferOfOwnershipDate		
Basic Type	Element		
Comments	GS1 Requirement		
Schema Constraints	*Mandatory:* Yes		
	Data Type: date		
	Cardinality: 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.
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes
	Data Type: date
	Cardinality: 1..1
	Format : D	*Status:* M
Co-requisites	None
Optional Elements	None

5.16   Quantity Invoiced

AS5023 Reference	*Section*: Detail	*Group:* Quantities	*Element:* Quantity invoiced
Description/Comments			
GS1 XML Path	invoiceLineItem→invoicedQuantity→value		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: float		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: float		
	Cardinality: 1..1		

	Quantity Invoiced value.
	Format : N,9 · *Status:* M
Co-requisites	(Relative to invoiceLineItem) →number *(Attribute, Non-negative Integer)* →tradeItemIdentification→gtin *(Global Trade Item Identifier)* →transferOfOwnershipDate *(date)*
Optional Elements	invoiceLineItem →invoicedQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*

5.17   Unit of Measure Invoiced

AS5023 Reference	*Section*: Detail	*Group:* Quantities	*Element:* Unit of measure invoiced
Description/Comments			
GS1 XML Path	invoiceLineItem→invoicedQuantity→unitOfMeasure→measurementUnitCodeValue		
Basic Type	Element		
Comments	Although AS5023 specifies this as mandatory, it is implicit in the GTIN so does not need to be sent as a separate element.		
Schema Constraints	*Mandatory:* No		
	Data Type: list		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes		
	Data Type: list		
	Cardinality: 1..1		
	Unit of Measure Invoiced. UOM code as per UN/CEFACT Recommendation 20; refer to EANCOM element 6411		

	Format : LIST		*Status:* R
Co-requisites	invoiceLineItem →invoicedQuantity→value		
Optional Elements	None		

5.18 Quantity Delivered

AS5023 Reference	*Section*: Detail	*Group:* Quantities	*Element:* Quantity ordered
Description/Comments			
GS1 XML Path	invoiceLineItem→deliveredQuantity→value		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: float		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No		
	Data Type: float		
	Cardinality: 1..1		
	Format : N		*Status:* O

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

5.19   Unit of Measure Delivered

AS5023 Reference	*Section*: Detail		*Group:* Quantities		*Element:* Unit of measure delivered
Description/Comments					
GS1 XML Path	invoiceLineItem→deliveredQuantity→unitMeasure→measurementUnitCodeValue				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: string				
	Cardinality: 1..1				
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No				
	Data Type: string				
	Cardinality: 1..1				
	Format : LIST				
Co-requisites	invoiceLineItem→deliveredQuantity→value *(float)*				
Optional Elements	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

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

5.20.1 Order Number - PO Line Number not required

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Referenced Order Number				
GS1 XML Path	invoiceLineItem→orderIdentification→documentReference→uniqueCreatorIdentification				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: string				
	Cardinality: 1..1				
	creationDateTime 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.				

Schema Constraints Loan / Consignment Stock Order	Mandatory: No	
	Data Type: string	
	Cardinality: 1..1	
	The use of this element is dependent on the value in the Scope Type. Where "StandardBusinessDocumentHeader→BusinessScope→Scope→Type" ='NEHTA E:Procurement' then this element will contain the Purchase Order Number. Where "StandardBusinessDocumentHeader→BusinessScope→Scope→Type" ='NEHTA E:Procurement: Loan and Consignment Stock' then this element will contain the Booking Request Number.	
	Format : N	Status: O
	Order Number / Booking Request	
Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln *(Global Location Number)* →creationDateTime *(dateTime)*	
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*	

5.20.2   Order Date - PO Line Number not required

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Referenced Order Number		
GS1 XML Path	invoiceLineItem→orderIdentification→documentReference→creationDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 0..1		

	If the *orderIdentification* element is used, this shall be set to the *lastUpdateDate* 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 *lastUpdateDate* is not available, then *creationDateTime* shall be used.

Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No	
	Data Type: dateTime	
	Cardinality: 0..1	
	The Order Number or Booking Request creation date and time.	
	Format : D	*Status:* O

Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln *(Global Location Number)* →uniqueCreatorIdentification *(string)*
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.20.3   Order Owner - PO Line Number not required

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Referenced Order Number		
GS1 XML Path	invoiceLineItem→orderIdentification→ documentReference→contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Schema Constraints Loan / Consignment Stock Order		
	Mandatory: Yes	
	Data Type: Global Location Number	
	Cardinality: 1..1	
	Owner of the Order or Booking request document identified by GLN.	
	Format : N,13	Status: R
Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentReference) →creationDateTime *(dateTime)* →uniqueCreatorIdentification *(string)*	
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*	

5.20.4   Order Number - PO Line Number Required

AS5023 Reference	Section: Header	Group: References	Element: Referenced Order Number
Description/Comments	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.		
GS1 XML Path	invoiceLineItem→orderIdentification→documentLineReference→documentReference→uniqueCreatorIdentification		
Basic Type	Element		
Comments	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.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		

	creationDateTime is a co-requisite of the Order Number which is used to identify different versions of the Purchase Order. See 0
	Order Date - PO Line Number Required for details.
Schema Constraints Loan / Consignment Stock Order	NOT USED.
Co-requisites	(Relative to orderIdentification→documentLineReference/documentReference) number(non Negative Integer) →contentOwner→gln *(Global Location Number)* →creationDateTime *(dateTime)*
Optional Elements	(Relative to orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.20.5   Order Date - PO Line Number Required

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Referenced Order Number		
GS1 XML Path	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→creationDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 0..1		
	If the *orderIdentification* element is used, this shall be set to the *lastUpdateDate* 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 *lastUpdateDate* is not available, then *creationDateTime* shall be used.		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		

Co-requisites	(Relative to orderIdentification→documentLineReference/documentReference) number(non Negative Integer)
	→contentOwner→gln *(Global Location Number)*
	→uniqueCreatorIdentification *(string)*
Optional Elements	(Relative to orderIdentification→documentLineReference)
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.20.6   Order Owner - PO Line Number Required

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Referenced Order Number				
GS1 XML Path	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→contentOwner→gln				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: Global Location Number				
	Cardinality: 1..1				
Schema Constraints Loan / Consignment Stock Order	NOT USED.				
Co-requisites	(Relative to orderIdentification→documentLineReference/documentReference) number(non Negative Integer)				
	→creationDateTime *(dateTime)*				
	→uniqueCreatorIdentification *(string)*				
Optional Elements	(Relative to orderIdentification→documentLineReference)				
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*				
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*				

5.20.7   Order Line Number - PO Line Number Required

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Referenced Order Number		
GS1 XML Path	invoiceLineItem→orderIdentification→ documentLineReference→number		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: 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.		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentLineReference/documentReference) number(non Negative Integer) →creationDateTime *(dateTime)* →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*		
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

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

AS5023 Reference	*Section*: Header	*Group:* References		*Element:* Previous Invoice Number
Description/Comments	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.			
GS1 XML Path	invoiceLineItem→invoice→documentReference→uniqueCreatorIdentification			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: string			
	Cardinality: 1..1			

Schema Constraints Loan / Consignment Stock Order	NOT USED.
Co-requisites	(Relative to invoiceLineItem→orderIdentification→documentReference) →contentOwner→gln *(Global Location Number)*
Optional Elements	(Relative to invoiceLineItem→orderIdentification→documentReference) →creationDateTime *(dateTime)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.21.2   Invoice Date - Invoice Line Number not required

AS5023 Reference	Section: Header	Group: References	Element: Previous invoice date / time
Description/Comments	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
GS1 XML Path	invoiceLineItem→invoice→documentReference→creationDateTime		
Basic Type	Attribute		
Comments	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.		
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 0..1		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		

Co-requisites	(Relative to invoiceLineItem→invoice→documentReference)
	→contentOwner→gln *(Global Location Number)*
	→uniqueCreatorIdentification *(string)*
Optional Elements	(Relative to invoiceLineItem→invoice→documentReference)
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.21.3   Invoice Owner - Invoice Line Number not required

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Previous Invoice Number				
GS1 XML Path	invoiceLineItem→invoice→documentReference→contentOwner→gln				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: Global Location Number				
	Cardinality: 1..1				
Schema Constraints Loan / Consignment Stock Order	NOT USED.				
Co-requisites	(Relative to invoiceLineItem→invoice→documentReference)				
	→uniqueCreatorIdentification *(string)*				
Optional Elements	(Relative to invoiceLineItem→invoices→documentReference)				
	→creationDateTime *(dateTime)*				
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*				
	→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*				

5.21.4   Invoice Number - Invoice Line Number Required

AS5023 Reference	Section: Header	Group: References	Element: Previous Invoice Number
Description/Comments	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
GS1 XML Path	invoiceLineItem→invoice→documentLineReference→documentReference→uniqueCreatorIdentification		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→gln (Global Location Number)		
Optional Elements	(Relative to invoiceLineItem→invoice →documentLineReference) →creationDateTime (dateTime) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (string) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (list)		

5.21.5   Invoice Date - Invoice Line Number Required

AS5023 Reference	Section: Header	Group: References		Element: Previous Invoice date / time
Description/Comments	Related to Referenced Order Number			
GS1 XML Path	invoiceLineItem→orderIdentification→ documentLineReference→ documentReference→creationDateTime			
Basic Type	Attribute			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: dateTime			
	Cardinality: 0..1			
Schema Constraints Loan / Consignment Stock Order	NOT USED.			
Co-requisites	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→gln *(Global Location Number)* →uniqueCreatorIdentification *(string)*			
Optional Elements	(Relative to invoiceLineItem→invoice→documentLineReference) →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*			

5.21.6   Invoice Owner - Invoice Line Number Required

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Previous Invoice Number			
GS1 XML Path	invoiceLineItem→invoice→documentLineReference→ documentReference→contentOwner→gln			
Basic Type	Element			

Comments	
Schema Constraints	Mandatory: No
	Data Type: Global Location Number
	Cardinality: 1..1
Schema Constraints Loan / Consignment Stock Order	NOT USED.
Co-requisites	(Relative to invoiceLineItem→invoice→documentLineReference) →uniqueCreatorIdentification (string)
Optional Elements	(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:
Description/Comments	Related to Referenced Order Number				
GS1 XML Path	invoiceLineItem→invoice→documentLineReference→number				
Basic Type	Attribute				
Comments					
Schema Constraints	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.				

Schema Constraints Loan / Consignment Stock Order	NOT USED.
Co-requisites	(Relative to invoiceLineItem→invoice→documentLineReference) →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*
Optional Elements	(Relative to invoiceLineItem→invoice→documentLineReference) →creationDateTime *(dateTime)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.21.1 Consumption Order line reference

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	invoiceLineItem → consumptionReport → documentLineReference → @number					
Basic Type	Attribute					
Comments	Original consumption order line item reference.					
Schema Constraints	NOT USED.					
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes					
	Data Type: nonNegativeInteger					
	Cardinality: 1..1					
	Original consumption order line item reference.					
	Format : N				*Status:* R	
Co-requisites	None					

Optional Elements	None

5.21.2   Consumption Order reference

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	invoiceLineItem → consumptionReport → documentLineReference → documentReference → uniqueCreatorIdentification			
Basic Type	Element			
Comments	Original consumption order reference number			
Schema Constraints	NOT USED.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: string			
	Cardinality: 1..1			
	Original consumption order reference number			
	Format : AN		Status: R	
Co-requisites	None			
Optional Elements	None			

5.21.3 Consumption Order Owner

AS5023 Reference	Section:		Group:		Element:
Description/Comments					
GS1 XML Path	invoiceLineItem → ConsumptionOrder → documentLineReference → documentReference → contentOwner → gln				
Basic Type	Element				
Comments	Global Location Number of the owner of the Consumption Report				
Schema Constraints	NOT USED.				
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes				
	Data Type: Global Location Number				
	Cardinality: 1..1				
	Format : N,13			Status: R	
Co-requisites	None				
Optional Elements	None				

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

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

5.22.2 Delivery Note Date/Time

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

5.22.3   Despatch Advice Number

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

Optional Elements	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime *(dateTime)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue *(string)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType *(list)* (Relative to invoiceLineItem→despatchAdvice→documentLineReference) →number *(Non-negative Integer)*

5.22.4 Despatch Advice Date/Time

AS5023 Reference	*Section*: Header	*Group:* References	*Element:* Delivery date/time
Description/Comments	Although listed in the Header section of AS5023, it is implemented in the lines section in the NEHTA standard. The functional purpose is unchanged.		
GS1 XML Path	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime		
Basic Type	Attribute		
Comments	Refer to the introduction to this section.		
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 0..1		
	If a Despatch Advice Line Number is required, then the *documentLineReference* element shall be used. Otherwise, the *documentReference* element shall be used.		
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 0..1		
	Required XML Path : despatchAdvice → documentReference → @creationDateTime		
	Format : DT	*Status:* O	

Co-requisites	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*

Optional Elements	(Relative to invoiceLineItem→despatchAdvice→documentReference
	      or invoiceLineItem→despatchAdvice→documentLineReference→documentReference)
	→ contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue *(string)*
	→ contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType *(list)*
	(Relative to invoiceLineItem→despatchAdvice→documentReference
	      or invoiceLineItem→despatchAdvice→documentLineReference→documentReference)
	→number *(Non-negative Integer)*

5.22.5 Despatch Advice Line Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Delivery Note		
GS1 XML Path	invoiceLineItem→despatchAdvice→documentLineReference→number		
Basic Type	Attribute		
Comments			
Schema Constraints	*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 *documentLineReference* element. (NEHTA requirement. Although it increases complexity for this specific instance, it reduces the overall complexity by limiting the use of the *despatchAdvice* element to one location only.)		
Schema Constraints	*Mandatory:* No		

Loan / Consignment Stock Order	Data Type: Non-negative Integer	
	Cardinality: 1..1	
	Format : N,3	Status: O
Co-requisites	(Relative to invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*	
Optional Elements	(Relative to invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime *(dateTime)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue *(string)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType *(list)*	

5.22.6   Despatch Advice Owner

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Delivery Note		
GS1 XML Path	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Schema Constraints Loan / Consignment Stock Order	Mandatory: No	
	Data Type: Global Location Number	
	Cardinality: 1..1	
	XML Path : despatchAdvice → documentReference → contentOwner → gln	
	Format : N,13	Status: C
	Supplier GLN Number	
Co-requisites	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →uniqueCreatorIdentification *(string)*	
Optional Elements	(Relative to invoiceLineItem→despatchAdvice→documentReference or invoiceLineItem→despatchAdvice→documentLineReference→documentReference) →creationDateTime *(dateTime)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationValue *(string)* → contentOwner→ additionalPartyIdentification→ additionalPartyIdentificationType *(list)* (Relative to invoiceLineItem→despatchAdvice→documentLineReference) →number *(Non-negative Integer)*	

5.23 Invoice Line Allowances and Charges

AS5023 Reference	Section: Detail	Group: Allowances and Charges	Element: Allowances and Charges
Description/Comments			
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge *(Complex Type)*		
Basic Type	Element		
Comments	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.		
Schema Constraints	Mandatory: No		
	Data Type: invoiceAllowanceChargeType		

	Cardinality: 0..*
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No
	Data Type: invoiceAllowanceChargeType
	Cardinality: 0..*
	Status: O
Co-requisites	(Relative to invoiceLineItem) →number *(Attribute, Non-negative Integer)* →invoicedQuantity→value *(float)* →tradeItemIdentification→gtin *(GlobalTradeItemNumberType[4])* →transferOfOwnershipDate *(date)*

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[4] This must be padded with 0's to the full 14 characters. See section 1.3.

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*)
	→additionalOrderLineInstructions (*LongDescriptionType*)
	→serviceTimePeriodLineLevel (*TimePeriodType*)
	→supplierOrderIdentification (*DocumentOrDocumentLineReferenceType*)

5.23.1 Amount

AS5023 Reference	Section: Detail	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceAllowanceChargeAmount			
Basic Type	Element			
Comments	This is the full amount of the allowance, charge, or discount before GST.			
Schema Constraints	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
	Cardinality of *invoiceAllowanceChargeAmount* is 0..*			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
	Format : N		Status: O	
Co-requisites	None			
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge) →invoiceAllowanceChargeType *(AllowanceChargeListType)* →invoiceAllowanceOrChargeType *(AllowanceOrChargeListType)* →invoiceTaxInformation *(InvoiceTaxInformationType)* →invoiceAllowanceChargePercentage *(PercentageType)*			

5.23.2 Charge Type

AS5023 Reference	Section: Detail	Group:		Element:	
Description/Comments	Refer to Allowances and Charges				
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceAllowanceChargeType				
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	
Schema Constraints Loan / Consignment Stock Order	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	
	Format : LIST			Status: O	

Co-requisites	None
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge) →invoiceAllowanceChargeAmount *(float)* →invoiceAllowanceOrChargeType *(AllowanceOrChargeListType)* →invoiceTaxInformation *(InvoiceTaxInformationType)* →invoiceAllowanceChargePercentage *(PercentageType)*

5.23.3   Allowance or Charge

AS5023 Reference	Section: Detail	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceAllowanceOrChargeType			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: list			
	Cardinality: 0..1			
	Allowable values are: ALLOWANCE CHARGE			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: list			
	Cardinality: 0..1			
	Allowable values are: ALLOWANCE CHARGE			
	Format : LIST		Status: O	
Co-requisites	None			

Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge)
	→invoiceAllowanceChargeAmount *(float)*
	→allowanceChargeType *(AllowanceChargeListType)*
	→invoiceTaxInformation *(InvoiceTaxInformationType)*
	→invoiceAllowanceChargePercentage *(PercentageType)*

5.23.4 Tax Type

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→dutyTaxFeeType			
Basic Type	Element			
Comments				
Schema Constraints	*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.			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: list			
	Cardinality: 0..1			
	Format : LIST		*Status:* O	

Co-requisites	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →taxAmount *(float)* →taxableAmount *(float)* →taxPercentage *(PercentageType)*
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.23.5   Taxable Amount

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxableAmount			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: float			
	Cardinality: 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.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: float			

Cardinality: 0..1	
Format : N	*Status:* O

Co-requisites	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxAmount *(float)* →taxPercentage *(PercentageType)*
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.23.6 Tax Amount

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxAmount		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: float		
	Cardinality: 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.
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No
	Data Type: float
	Cardinality: 0..1
	Format : N *Status:* O
Co-requisites	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxableAmount *(float)* →taxPercentage *(PercentageType)*
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.23.7   Tax Rate

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation→taxPercentage		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		

	Data Type: PercentageType
	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.
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No
	Data Type: PercentageType
	Cardinality: 0..1
	Format : N · *Status:* O
Co-requisites	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxableAmount *(float)* →taxAmount *(float)*
Optional Elements	(Relative to invoiceLineItem→invoiceLineAllowanceCharge→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.24 Purchase Conditions

5.24.1 Document Reference Unique Identifier

AS5023 Reference	Section: Detail	Group: Pricing	Element: Pricing reference document number
Description/Comments			
GS1 XML Path	(Relative to invoiceLineItem→purchaseConditions) Choice - one of: →documentReference→uniqueCreatorIdentification →documentLineReference→documentReference→uniqueCreatorIdentification		
Basic Type	Element		
Comments	Use the *documentReference* structure if the document line number is not required. Use the *documentLineReference* structure if the document line number is required.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →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) →creationDate *(dateTime)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

5.24.2 Document Reference Date

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Pricing reference document number		
GS1 XML Path	(Relative to invoiceLineItem→purchaseConditions) Choice - one of: →documentReference→creationDateTime →documentLineReference→documentReference→creationDateTime		
Basic Type	Element		
Comments	Use the *documentReference* structure if the document line number is <u>not</u> required. Use the *documentLineReference* structure if the document line number <u>is</u> required.		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
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 *documentReference* structure if the document line number is not required. Use the *documentLineReference* structure if the document line number is required.		
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	(Relative to: invoiceLineItem→purchaseConditions→documentReference or invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →uniqueCreatorIdentification *(string)*		
Optional Elements	(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

AS5023 Reference	Section: Detail	Group: Pricing	Element: Pricing reference document line
Description/Comments			
GS1 XML Path	invoiceLineItem→purchaseConditions→documentLineReference→number		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		
	Although GS1 XML allows otherwise, NEHTA standards require the Pricing Reference Document Number to be included within this structure.		
Schema Constraints Loan / Consignment Stock Order	NOT USED.		
Co-requisites	(Relative to: invoiceLineItem→purchaseConditions→documentLineReference→documentReference) →contentOwner→uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*		
Optional Elements	(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

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Refer to Tax		
GS1 XML Path	invoiceLineItem→invoiceLineTaxInformation→dutyTaxFeeType		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	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.		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: list		
	Cardinality: 0..1		
	Used if there is GST applicable to Item. Normally 'VALUE_ADDED_TAX'.		
	Format : LIST		Status: R
Co-requisites	(Relative to invoiceLineItem→invoiceLineTaxInformation) →taxAmount (float) →taxableAmount (float) →taxPercentage (PercentageType)		
Optional Elements	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension (ExtensionType) →taxAmountInTaxAccountingCurrency (float) →taxableAmountInTaxAccountingCurrency (float) →dutyTaxFreeDescription (string)		

5.25.2   Taxable Amount

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Refer to Tax			
GS1 XML Path	invoiceLineItem→invoiceLineTaxInformation→taxableAmount			
Basic Type	Element			
Comments	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.			
Schema Constraints	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.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: float			
	Cardinality: 0..1			
	Value of item on which GST calculation is made.			
	Format : N9,4		Status: R	
Co-requisites	(Relative to invoiceLineItem→invoiceLineTaxInformation) →dutyTaxFeeType (list) →taxAmount (float) →taxPercentage (PercentageType)			

Optional Elements	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.25.3 Tax Amount

AS5023 Reference	*Section*: Detail	*Group:* Amount invoiced		*Element:* GST amount
Description/Comments				
GS1 XML Path	invoiceLineItem→invoiceLineTaxInformation→taxAmount			
Basic Type	Element			
Comments	This is the actual amount of GST to be paid. Calculation: Taxable Amount x GST rate.			
Schema Constraints	*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.			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes			
	Data Type: float			
	Cardinality: 0..1			
	Actual amount of GST to be paid. Calculation: Taxable Amount x GST rate.			
	Format : N9,4		*Status:* R	

Co-requisites	(Relative to invoiceLineItem→invoiceLineTaxInformation) →dutyTaxFeeType *(list)* →taxableAmount *(float)* →taxPercentage *(PercentageType)*
Optional Elements	(Relative to invoiceLineItem→invoiceLineTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.25.4   Tax Rate

AS5023 Reference	Section: Detail	Group: Tax		Element: Tax rate
Description/Comments				
GS1 XML Path	invoiceLineItem→invoiceLineTaxInformation→taxPercentage			
Basic Type	Element			
Comments				
Schema Constraints	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.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: float			
	Cardinality: 0..1			

	'10' for standard GST
	Or
	'0' for GST Free.
	Format : N,2 — *Status:* R

Co-requisites	(Relative to invoiceLineItem→invoiceTaxInformation) →dutyTaxFeeType *(list)* →taxableAmount *(float)* →taxAmount *(float)*
Optional Elements	(Relative to invoiceLineItem→invoiceTaxInformation) →extension *(ExtensionType)* →taxAmountInTaxAccountingCurrency *(float)* →taxableAmountInTaxAccountingCurrency *(float)* →dutyTaxFreeDescription *(string)*

5.26   Unit Price

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

Schema Constraints Loan / Consignment Stock Order	NOT USED.
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 1.3.

Optional Elements	(Relative to invoiceLineItem) →amountExclusiveAllowancesCharges (*float*) →amountInclusiveAllowancesCharges (*float*) →itemDescription (*DescriptionType*) →itemPriceBaseQuantity (*QuantityType*) →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*)

5.27 Unit Price (For Loan and Consignment Stock Order Only)

AS5023 Reference	Section: Detail	Group: Pricing		Element: Unit price
Description/Comments	Includes GST			
GS1 XML Path	invoiceLineItem→itemPriceInclusiveAllowancesCharges			
Basic Type	Element			
Comments	Base unit price of item. Including GST, Charges and Allowances.			
Schema Constraints	NOT USED.			
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes			
	Data Type: float			
	Cardinality: 0..1			
	Base unit price of item. Including GST, Charges and Allowances.			
	Format : N9,4		Status: R	
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 1.3.

Optional Elements	(Relative to invoiceLineItem)
	→amountExclusiveAllowancesCharges (*float*)
	→amountInclusiveAllowancesCharges (*float*)
	→itemDescription (*DescriptionType*)
	→itemPriceBaseQuantity (*QuantityType*)
	→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*)

5.28   Item Amount ex GST

AS5023 Reference	Section: Detail	Group: Amount invoiced	Element: Amount excluding GST
Description/Comments			
GS1 XML Path	invoiceLineItem→amountExclusiveAllowancesCharges		
Basic Type	Element		
Comments	This is the base extended price of the item excluding other charges, allowances, discounts etc. and GST. Calculation: Quantity x Unit Price		
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		
	Base extended price of item excluding other charges, allowances, discounts etc. and GST. Calculation: Quantity x Unit Price.		
	Format : N9,4		Status: C
Co-requisites	(Relative to invoiceLineItem) →number (Non-negative Integer) →tradeItemIdentification→gtin (Global Trade Item Identification[7]) →invoicedQuantity→value (float) →transferOfOwnershipDate (date)		

---

[7] This must be padded with 0's to the full 14 characters. See section 1.3.

Optional Elements	(Relative to invoiceLineItem) →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*)

5.29   Item Amount including Charges/Allowances ex GST

AS5023 Reference	Section: Detail	Group: Amount invoiced	Element: Amount excluding GST
Description/Comments			
GS1 XML Path	invoiceLineItem→amountInclusiveAllowancesCharges		
Basic Type	Element		
Comments	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.		
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		
	Calculation: (Extended Price) – (sum of all Allowances) + (sum of all Charges).		
	Format : N9,4	Status: C	
Co-requisites	(Relative to invoiceLineItem) →number (Non-negative Integer) →tradeItemIdentification→gtin (Global Trade Item Identification[8]) →invoicedQuantity→value (float) →transferOfOwnershipDate (date)		

---

[8] This must be padded with 0's to the full 14 characters. See section 1.3.

Optional Elements	(Relative to invoiceLineItem)
	→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*)

5.30   Item Amount including Charges/Allowances/GST

AS5023 Reference	Section:	Group:		Element:	
Description/Comments	Related to Amount Invoiced.				
GS1 XML Path	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountInclusiveAllowancesCharges				
Basic Type	Element				
Comments	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				
Schema Constraints	Mandatory: No				
	Data Type: float				
	Cardinality: 0..1				
Schema Constraints Loan / Consignment Stock Order	Mandatory: No				
	Data Type: float				
	Cardinality: 0..1				
	Full cost of line, including extended item cost, all allowances and charges and GST on all of these. Calculation: (Extended Price inc GST) – (sum of Allowances inc GST) + (sum of Charges inc GST).				
	Format : N9,4			Status: C	
Co-requisites	None				
Optional Elements	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountExclusiveAllowancesCharges *(float)*				

5.31   Item Amount including GST, ex Charges/Allowances

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Amount Invoiced			
GS1 XML Path	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountExclusiveAllowancesCharges			
Basic Type				
Comments	This is the total amount charged for the item including GST, but excluding all other charges. Calculation: Extended Price + GST			
Schema Constraints	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
Schema Constraints Loan / Consignment Stock Order	Mandatory: No			
	Data Type: float			
	Cardinality: 0..1			
	Total amount charged for item including GST, but excluding all other charges. Calculation: (Extended Price) + (GST).			
	Format : N9,4		Status: C	
Co-requisites	None			
Optional Elements	invoiceLineItem→invoiceLineItemInformationAfterTaxes→amountInclusiveAllowancesCharges *(float)*			

5.32   Total Invoice Amount

AS5023 Reference	Section: End of Message	Group: Summary	Element: Total amount excluding GST
Description/Comments			
GS1 XML Path	invoiceTotals→totalIinvoiceAmount		
Basic Type	Element		
Comments	This is the total of all items, charges, allowances etc. on the invoice exclusive of GST.		
Schema Constraints	Mandatory: Yes		
	Data Type: float		
	Cardinality: 1..1		
Schema Constraints Loan / Consignment Stock Order	Mandatory: Yes		
	Data Type: float		
	Cardinality: 1..1		
	Total of all items, charges, allowances etc. on the Invoice exclusive of GST.		
	Format : N9,4	Status: M	
Co-requisites	None		

Optional Elements	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)*

5.33   Total Invoice Amount Payable

AS5023 Reference	*Section*: End of Message	*Group:* Summary		*Element:* Total amount including GST
Description/Comments				
GS1 XML Path	invoiceTotals→totalIinvoiceAmountPayable			
Basic Type	Element			
Comments	This is the Grand Total for the Invoice. It incorporates the prices of all items, all charges and allowances, and all GST charges etc.			
Schema Constraints	*Mandatory:* No			
	Data Type: float			
	Cardinality: 1..1			
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* No			
	Data Type: float			

	Cardinality: 1..1
	Grand Total for invoice. Incorporates prices of all items, all charges and allowances, and all GST charges etc.
	Format : N9,4 *Status:* O
Co-requisites	invoiceTotals→totalInvoiceAmount *(float)*
Optional Elements	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)*

5.34 Total Tax Amount

AS5023 Reference	*Section*: End of Message *Group:* Summary *Element:* GST amount
Description/Comments	
GS1 XML Path	invoiceTotals→totalTaxAmount
Basic Type	Element
Comments	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.
Schema Constraints	*Mandatory:* Yes

	Data Type: float
	Cardinality: 0..1
Schema Constraints Loan / Consignment Stock Order	*Mandatory:* Yes
	Data Type: float
	Cardinality: 0..1
	Total GST charged on invoice. Incorporates GST charged on all line items, all line item allowances and charges, and all Invoice allowances and charges.
	Format : N9,4 *Status:* M
Co-requisites	invoiceTotals→totalIinvoiceAmount *(float)*
Optional Elements	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)*

5.35 Quote Number

AS5023 Reference	Section:	Group:		Element:
Description/Comments	This is a reference number relating to a supplied quote that a purchase order referenced by this invoice is based on.			
GS1 XML Path	priceList→uniqueCreatorIdentification			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 0..1			
Schema Constraints Loan / Consignment Stock Order	NOT USED.			
Co-requisites				
Optional Elements	priceList→contentOwner→ GLN (string) priceList→contentOwner→ additionalPartyIdentification →additionalPartyIdentificationValue (string) priceList→contentOwner→ additionalPartyIdentification →additionalPartyIdentificationType (list)			

5.36 Order Identification

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Purchase Order reference Number groups contains Creation date, reference number and GLN			
GS1 XML Path	invoice→orderIdentification			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			

	Data Type: string
	Cardinality: 0..1
Schema Constraints Loan / Consignment Stock Order	NOT USED.
Co-requisites	invoice→orderIdentification→CreationDateTime(*attribute*) invoice→ orderIdentification→UniqueCreatorIdentification invoice→ orderIdentification→ContentOwner→GLN
Optional Elements	(Relative to entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*

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
            seller
                partyIdentification
                    gln
                companyRegistrationNumber
            invoiceLineItem
                number
                tradeItemIdentification

gtin
invoicedQuantity
value
transferOfOwnershipDate
invoiceTotals
totalInvoiceAmount
totalTaxAmount

7   Invoice Message sample

This section provides an example of what an Invoice using the NEHTA standards may look like. Please note that while the previous section identified the minimum schema elements, this section is designed to provide a real-life example and a number of additional elements have been included.

SCENARIO

On the **23/01/2013 at 10 am**, the Supplier (**9311111111112**) sent an **Invoice**, numbered (**INV1001**) to the Buyer (**9300000000019**) for goods delivered on the **21/01/2013**. The original Purchase Order was numbered (**PO0001**).

The Invoice was for the following :-

Item 1 (**00000093333306**)

Total Quantity : **20**

Value   : **$ 1.10 each**

Total amount : **$ 22.00**

Item 2   (**09333333333318**)

Total Quantity : **40**

Value   : **$ 2.20 each**

Total amount : **$ 88.00**

Item 3 (**19333333333322**)

Total Quantity : **50**

Value   : **$ 5.50 each**

Total amount : **$275.00**

The TAX method applied in this example is as follows :-

LINE Values

Line Number	: 1
Item Quantity	: 20
Total Line Item Amount (Excl GST)	: $ 20.00
Line Item Unit Price (Excl GST)	: 1.00
Total Line Item Amount (Incl GST)	: $ 22.00
Line Tax Type	: VALUE_ADDED_TAX
Total Line Item Tax	: $ 2.00
Line Tax %	: 10.00

TOTALS Values

Total Amount (Excl GST)	: $ 350.00
Total GST	: $ 35.00
Total Invoice Amount Payable	: $ 385.00

Invoice

```xml
<?xml version="1.0" encoding="UTF-8"?>

<sh:StandardBusinessDocument xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
xmlns:eanucc="urn:ean.ucc:2" xmlns:pay="urn:ean.ucc:pay:2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader
../Schemas/sbdh/StandardBusinessDocumentHeader.xsd urn:ean.ucc:2 ../Schemas/InvoiceProxy.xsd">

    <sh:StandardBusinessDocumentHeader>

        <sh:HeaderVersion>1.0</sh:HeaderVersion>

        <sh:Sender>

            <sh:Identifier Authority="EAN.UCC">9311111111112</sh:Identifier>

        </sh:Sender>

        <sh:Receiver>

            <sh:Identifier Authority="EAN.UCC">9300000000019</sh:Identifier>

        </sh:Receiver>

        <sh:DocumentIdentification>

            <sh:Standard>EAN.UCC</sh:Standard>

            <sh:TypeVersion>2.6</sh:TypeVersion>

            <sh:InstanceIdentifier>100002</sh:InstanceIdentifier>

            <sh:Type>Invoice</sh:Type>

            <sh:MultipleType>false</sh:MultipleType>

            <sh:CreationDateAndTime>2013-01-23T10:00:00.000</sh:CreationDateAndTime>

        </sh:DocumentIdentification>

        <sh:BusinessScope>

            <sh:Scope>

                <sh:Type>NEHTA:E-Procurement</sh:Type>
```

```
                        <sh:InstanceIdentifier>1.7</sh:InstanceIdentifier>
                    </sh:Scope>
                </sh:BusinessScope>
        </sh:StandardBusinessDocumentHeader>
        <eanucc:message>
            <entityIdentification>
                <uniqueCreatorIdentification>MSG-INV1001</uniqueCreatorIdentification>
                <contentOwner>
                    <gln>9311111111112</gln>
                </contentOwner>
            </entityIdentification>
            <eanucc:transaction>
                <entityIdentification>
                    <uniqueCreatorIdentification>TRA-INV1001</uniqueCreatorIdentification>
                    <contentOwner>
                        <gln>9311111111112</gln>
                    </contentOwner>
                </entityIdentification>
                <command>
                    <eanucc:documentCommand>
                        <documentCommandHeader type="ADD">
                            <entityIdentification>
                                <uniqueCreatorIdentification>CMD-INV1001</uniqueCreatorIdentification>
                                <contentOwner>
                                    <gln>9311111111112</gln>
```

```
                </contentOwner>
            </entityIdentification>
        </documentCommandHeader>
        <documentCommandOperand>
                <pay:invoice creationDateTime="2013-01-23T10:00:00.000"
documentStatus="ORIGINAL">
                    <invoiceIdentification>
                        <uniqueCreatorIdentification>INV1001</uniqueCreatorIdentification>
                        <contentOwner>
                            <gln>9311111111112</gln>
                        </contentOwner>
                    </invoiceIdentification>
                    <invoiceCurrency>
                        <currencyISOCode>AUD</currencyISOCode>
                    </invoiceCurrency>
                    <invoiceType>TAX_INVOICE</invoiceType>
                    <remitTo>
                        <partyIdentification>
                            <gln>9300000000019</gln>
                        </partyIdentification>
                    </remitTo>
                    <buyer>
                        <partyIdentification>
                            <gln>9300000000019</gln>
                        </partyIdentification>
```

```xml
			</buyer>
			<seller>
				<partyIdentification>
					<gln>9311111111112</gln>
				</partyIdentification>
<companyRegistrationNumber>ABN11222333444</companyRegistrationNumber>
			</seller>
			<invoiceLineItem number="1">
				<tradeItemIdentification>
					<gtin>00000093333306</gtin>
				</tradeItemIdentification>
				<invoicedQuantity>
					<value>20</value>
				</invoicedQuantity>
				<transferOfOwnershipDate>2013-01-21</transferOfOwnershipDate>
<amountInclusiveAllowancesCharges>20.00</amountInclusiveAllowancesCharges>
<itemPriceInclusiveAllowancesCharges>1.00</itemPriceInclusiveAllowancesCharges>
				<invoiceLineItemInformationAfterTaxes>
<amountInclusiveAllowancesCharges>22.00</amountInclusiveAllowancesCharges>
				</invoiceLineItemInformationAfterTaxes>
				<invoiceLineTaxInformation>
					<dutyTaxFeeType>VALUE_ADDED_TAX</dutyTaxFeeType>
```

```
                                <taxAmount>2.00</taxAmount>
                                <taxPercentage>10.00</taxPercentage>
                        </invoiceLineTaxInformation>
                </invoiceLineItem>
                <invoiceLineItem number="2">
                        <tradeItemIdentification>
                                <gtin>09333333333318</gtin>
                        </tradeItemIdentification>
                        <invoicedQuantity>
                                <value>40</value>
                        </invoicedQuantity>
                        <transferOfOwnershipDate>2013-01-21</transferOfOwnershipDate>

<amountInclusiveAllowancesCharges>80.00</amountInclusiveAllowancesCharges>

<itemPriceInclusiveAllowancesCharges>2.00</itemPriceInclusiveAllowancesCharges>
                        <invoiceLineItemInformationAfterTaxes>

<amountInclusiveAllowancesCharges>88.00</amountInclusiveAllowancesCharges>
                        </invoiceLineItemInformationAfterTaxes>
                        <invoiceLineTaxInformation>
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          </eanucc:transaction>
      </eanucc:message>
</sh:StandardBusinessDocument>
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8 References

This document is based on the following documents:

Standards Australia 2003, Health Supply Chain Messaging Part 2: Datasets, Standards Australia.

GS1 2007, Standard Business Document Header (SBDH) Technical Implementation Guide, Release: 1.3, GS1.

GS1 2009, Business Message Standard (BMS) Invoice, BMS Release: 2.6, GS1.

NEHTA 2007, E-Procurement Technical Architecture; Version 1.1, NEHTA