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NEHTA Standard Message Implementation Guidelines for Health eProcurement

Part 1: GS1 XML Multi Shipment Order Message

Version 1.7 - 6 December 2013

Approved for external use

Version Control

Version	Nature of Change/Comments
1.6	Principal version 1.6 changes: - Added Booking Reference Number (5.30) - Added Quote Number (5.39) - Revised Additional Trade Item Identification Type (5.31) to include FOR_INTERNAL_USE_1 to support the Booking Reference Number - Revised Change Data and Time use wording (5.2) - Revised Language use wording (5.11.2) - Revised Transport and Delivery usage from Mandatory to Optional (5.12.2 & 5.22) - Revised Transport Method usage from Mandatory to Optional (5.12.6 & 5.22.4) - Revised Required Delivery Date, Latest Delivery and Earliest Delivery use wording (5.12.7, 5.12.8, 5.12.9) to indicate that at least one must be used - Revised Unit Price usage from Optional to Mandatory (5.23) - Revised Net Amount usage from Optional to Mandatory (5.25) - Added Section 7 – Message Sample
1.7	Principal version 1.7 changes: - Add Lot Number (5.31) - Add Consignment Line Type (5.32) - Add Order Line Instructions Language (5.34) - Revised Business Scope Identifier to 1.7

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1 Introduction

This document describes the elements of the GS1 XML multiShipmentOrder (version 2.6) message that will be used by Australia's Public Health Jurisdictions and is intended for technical staff that has the responsibility of implementing these messages in their local systems. This information will assist technical staff to correctly populate the Purchase Order and Purchase Order Change messages. The same schema is used for both messages, so they are treated together. The major difference between the two messages is the value of *documentStatus* element. For the Purchase Order message, it SHALL be either 'ORIGINAL' or 'COPY' and for the Purchase Order Change message it SHALL be 'REPLACE'.

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

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

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

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

1.1 Format - Data Sections

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

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

The table headings are:

- **AS5023 Reference –** This provides a link to the specific data element in the AS5023.2-2003 document.
  - o **Section**: This will 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.
  - o **Group**: The title in the first column of the AS5023 table.
  - o **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 will 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 will be a subsection following that identifies the Attributes and Elements of that Complex Type.

- **Comments –** Other information that will 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.

  o **Mandatory** An item can be mandatory based on external GS1 or NEHTA rules in addition to the schema rules.

  o **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.

  o **Cardinality** The cardinality of the specific element. Note that the cardinality of parent elements also influences how the element is used.

  o **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. For example, the co-requisites for *documentStatus* included *contentVersion*, *orderHeaderIndicator*, etc. as they all define control information about the document. *multiShipmentOrderLIneItem* was not included even though it is a mandatory element and is at the same XML level as it defined the contents of the document.

1.2 XML Document Structure and Layers

The Purchase Order 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 Purchase Order Message elements.

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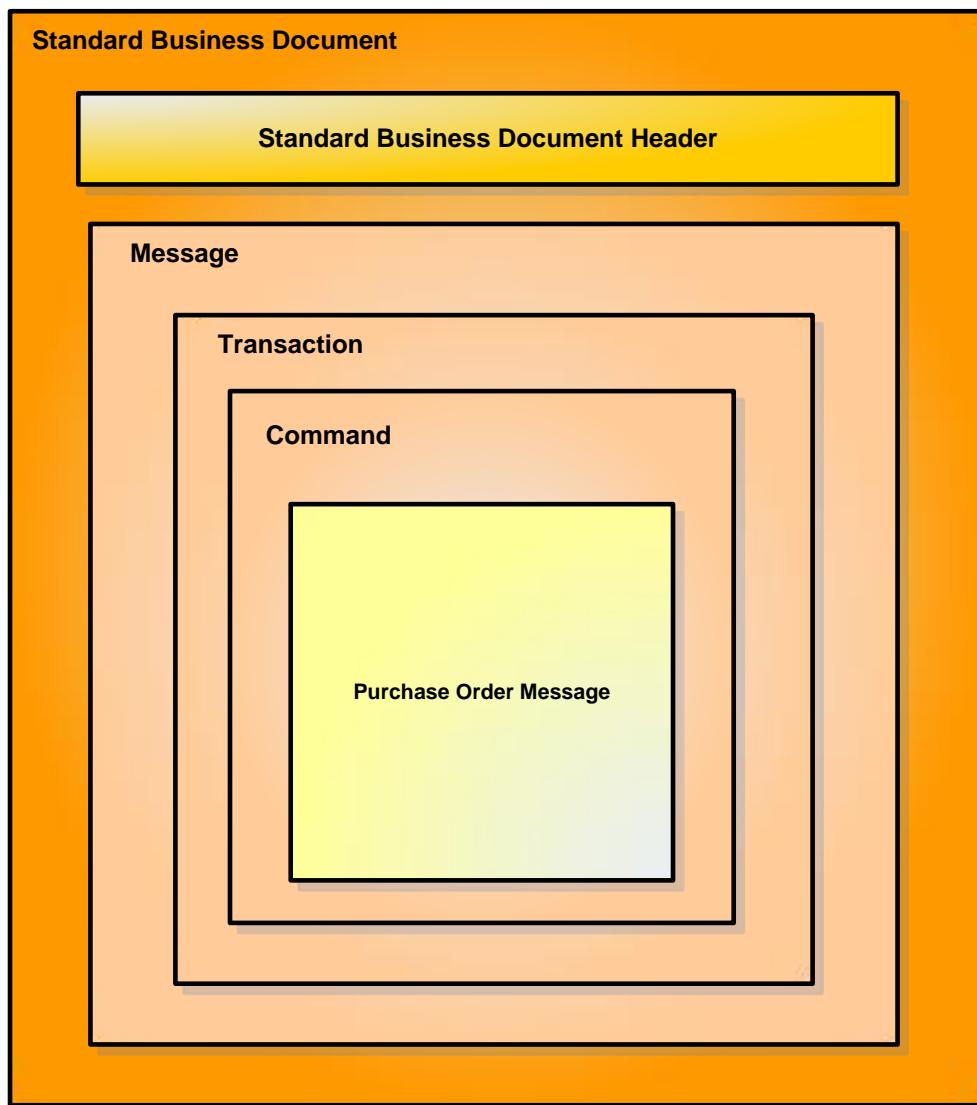
1.3   Global Trade Item Numbers - GTINs

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 will become 09312345678901. This does not change the number at all, it is simply a non-significant digit added so this will pass schema validation.

1.4   Reference documents

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

2 Status Elements

Three status elements in the schema are relevant to adding, updating, or deleting orders. In order of appearance in the document they are:

documentCommandHeader/type

Values: ADD, CHANGE_BY__REFRESH, CORRECT, DELETE

multiShipmentOrder/documentStatus

Values: COPY, ORIGINAL, REPLACE

multiShipmentOrderLineItem/lineItemActionCode

Values: ADDITION, CHANGED, DELETED, NOT_AMENDED

Their order of precedence will be the order of appearance – the first to appear has precedence over those that appear later. This means that the 'type' status overrides all others, and that 'documentStatus' should be a clarification of 'type'. Similarly 'documentStatus' overrides 'lineActionCode' and 'lineActionCode' should be a clarification of 'documentStatus'.

The status fields should be set up as follows for these specific situations:

Situation	type	documentStatus	lineItemActionCode	Comments
New PO, first time sent	ADD	ORIGINAL	Not required	
Resend of PO	ADD	COPY	Not required	A copy is required due to a failure to receive the original.
PO Change	CHANGE_BY_REFRESH	REPLACE	As required for each line.	Unchanged order lines need not be sent. All order lines that are sent shall have a 'lineItemActionCode'.
PO Delete	DELETE	REPLACE	Not required	Add comment for the reason for deletion in 'additionalOrderInstruction'
PO Cancel	DELETE	REPLACE	Not required	Add comment for the reason for cancellation in 'additionalOrderInstruction'

Note: A deletion is when the Order should not have been sent at all and this is correcting an administrative or technical error. A cancellation is when the order was originally justified, but the business situation has changed and the order is no longer required. Typically a cancelled order is retained in the seller's database to record lost sales etc. whereas deleted orders are removed completely.

The schema requires at least one Purchase Order line to be present in the XML file, so it is impossible to send a DELETE message with the header details only. For this reason, all lines are sent, but with mandatory elements only. The seller may then ignore the lines or use them as a double check on the header information.

In this context, the 'lineItemActionCode' should only be used for the PO Change messages.

3 Header Elements

In this section, the GS1 XML path root is:

StandardBusinessDocument

(XPath: StandardBusinessDocument)

All XML paths will 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 Multi Shipment Order. 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'			
Co-requisites	StandardBusinessDocumentHeader→Sender (Partner)			
	StandardBusinessDocumentHeader→Receiver (Partner)			
	StandardBusinessDocumentHeader→DocumentIdentification (DocumentIdentification)			
	StandardBusinessDocumentHeader→BusinessScope (BusinessScope)			
Optional Elements				

3.2 Sender

AS5023 Reference	Section:	Group:	Element:
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 one Sender element can be used even though the schema allows for multiple elements. The Sender Identifier SHALL be the GLN of the sending organisation. The optional *ContactInformation* element can be used and should hold details of a technical contact in the sending organisation that is able to address issues concerning message delivery. Should not contain the name of an individual.		
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'			
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. Should not contain the name of an individual.			

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).					
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.			
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.
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..1		
	Only <u>one</u> Receiver element can be used even though the schema allows for multiple elements. The Receiver Identifier shall be the GLN of the sending organisation.		

Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver)
	→Identifier→Authority *(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   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'			
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. Should not contain the name of an individual.			
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).
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.		
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.					
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'
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 multiShipmentOrder schema e.g. '2.6'		

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. That is, no two transmissions will have the same identifier regardless of the type of business document contained, or if a specific business document is transmitted multiple times. This element is used to identify the whole message being transmitted, not the business document contained within the message.			

Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(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 'multiShipmentOrder'. (The name of the root element in the payload document.)					
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 should be sent per transmission.)			
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 Purchase Order was approved/verified in the original system.
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'					
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.			
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.			

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 will assume this starting point unless otherwise stated.

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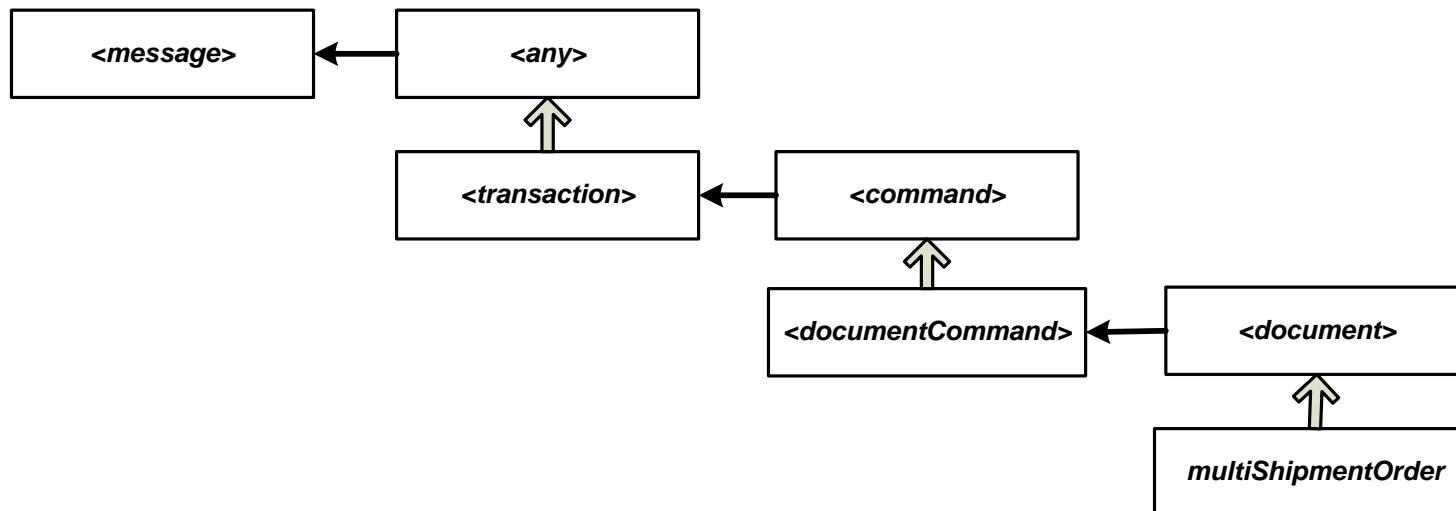
4.1   Message

4.1.1   Message: <any>

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..*		
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 PO Number as per the *uniqueCreatorIdentification* element in the *multiShipmentOrder* 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
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		
Co-requisites	entityIdentification→uniqueCreatorIdentification *(Global Location Number)*		
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. (One of three elements in the command substitution group, and the one that is required for multiShipmentOrders.)			
Schema Constraints	*Mandatory:* Yes			
	Data Type: command			
	Cardinality: 1..1			
	Cardinality as defined in the GS1 XML standard is 1..*			
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
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		
Co-requisites	transaction→entityIdentification→uniqueCreatorIdentification *(Global Location Number)*		
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

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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			
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. multiShipmentOrder			
Schema Constraints	Mandatory: Yes			
	Data Type: abstract document			

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

4.3.3   Document Command: Type

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→type		
Basic Type	attribute		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: ADD CHANGE_BY_REFRESH CORRECT DELETE ADD – SHALL be used when a new Purchase Order is sent. CHANGE_BY_REFRESH – SHALL be used when a Purchase Order is being changed in any way. CORRECT – SHALL NOT be used. DELETE – SHALL be used when the Purchase Order is to be cancelled.		

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

5 Business Document Layer Message Elements

This layer covers the Purchase Order and Purchase Order Change messages as they both use the same schema and there are minimal differences between the two. PO and POC are used as abbreviations for the respective orders where it is required to differentiate between the two.

In this section, the GS1 XML path root is:

StandardBusinessDocument→message→transaction→command→documentCommand→documentCommandOperand→multiShipmentOrder

(XPath: StandardBusinessDocument / eanucc:message / eanucc:transaction / command / eanucc:documentCommand / documentCommandOperand / order:multiShipmentOrder)

All XML paths will 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.

5.1 Message Function

AS5023 Reference	*Section*: Header	*Group:* Opening		*Element:* Message Function
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 For Purchase Order messages, this value should be 'ORIGINAL' For Purchase Order Change messages, this value should be 'REPLACE'			

Co-requisites	contentVersion→versionIdentification *(string)*
	documentStructureVersion→versionIdentification *(string)*
	lastUpdateDate *(date)*
	creationDateTime *(dateTime)*
	orderHeaderIndicator→isApplicationReceiptAcknowledgementRequired *(boolean)*
	orderHeaderIndicator→isOrderFreeOfExciseTaxDuty *(boolean)*
Optional Elements	orderHeaderIndicator→orderInstructions *(string)*

5.2   Change Date/Time

AS5023 Reference	*Section:* (POC) Header		*Group:* Opening		*Element:* Order Change date/time
Description/Comments	Time is Optional				
GS1 XML Path	lastUpdateDate				
Basic Type	Attribute				
Comments					
Schema Constraints	*Mandatory:* Yes (NEHTA Requirement) where *documentStatus* = 'REPLACE', otherwise is not required				
	Data Type: date				
	Cardinality: 0..1				
Co-requisites	contentVersion→versionIdentification *(string)*				
	documentStructureVersion→versionIdentification *(string)*				
	documentStatus *(list)*				
	creationDateTime *(dateTime)*				
	orderHeaderIndicator→isApplicationReceiptAcknowledgementRequired *(boolean)*				
	orderHeaderIndicator→isOrderFreeOfExciseTaxDuty *(boolean)*				
Optional Elements	orderHeaderIndicator→orderInstructions *(string)*				

5.3   Creation Date

AS5023 Reference	Section: Header	Group: Opening	Element: Order date/time
Description/Comments			
GS1 XML Path	creationDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: datetime		
	Cardinality: 1..1		
	Time is not optional in the XML data type; however, it can be all zeros, e.g. "2010-01-15T00:00:00.000"		
Co-requisites	contentVersion→versionIdentification (string) documentStructureVersion→versionIdentification (string) lastUpdateDate (string) documentStatus (DocumentStatusListType) orderHeaderIndicator→isApplicationReceiptAcknowledgementRequired (boolean) orderHeaderIndicator→isOrderFreeOfExciseTaxDuty (boolean)		
Optional Elements	None		

5.4   Order Number

AS5023 Reference	Section: Header	Group: Opening	Element: Order Number
Description/Comments			
GS1 XML Path	orderIdentification→uniqueCreatorIdentification		
Basic Type	Element		
Comments			

Schema Constraints	Mandatory: Yes
	Data Type: String
	Cardinality: 1..1
Co-requisites	orderIdentification→contentOwner→gln *(GlobalLocationNumberType)*
	orderPartyInformation *(Complex Type: OrderPartyInformationType)*
	orderLogisticalInformation *(Complex Type: OrderLogisticalInformationType)*
	multiShipmentOrderLineItem *(Complex Type: MultiShipmentOrderLineItemType)*
	totalTaxMonetaryAmountOfOrde*r (complexType:)*
	orderHeaderIndicator→isApplicationReceiptAcknowledgementRequired *(Boolean)*
	orderHeaderIndicator→isOrderFreeOfExciseTaxDuty *(Boolean)*
Optional Elements	(Relative to orderIdentification→contentOwner→additionalPartyIdentification)
	→additionalPartyIdentificationValue *(string)*
	→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*
	(Relative to multiShipmentOrder)
	promotionalDeal *(Complex Type: TradeAgreementType)*
	currencyExchangeRateInformation *(Complex Type: CurrencyExchangeRateInformationType)*
	allowanceCharge *(Complex Type: AllowanceChargeType)*
	paymentTerms *(Complex Type: PaymentTermsType)*
	quoteNumber *(Complex Type: TradeAgreementType)*
	additionalOrderInstruction *(Complex Type: LongDescriptionType)*
	totalMonetaryAmountOfOrder *(Complex Type: AmountType)*
	extension *(Complex Type: ExtensionType)*

5.5   Document Owner

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Order Number – Required by GS1		
GS1 XML Path	orderIdentification→contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		
	SHALL be the GLN of the department/organisation that created the order.		
Co-requisites	orderIdentification→uniqueCreatorIdentification (string)		
Optional Elements	(Relative to orderIdentification→contentOwner→additionalPartyIdentification) →additionalPartyIdentificationValue (string) →additionalPartyIdentificationType (AdditionalPartyIdentificationListType)		

5.6   Buyer

AS5023 Reference	Section: Header	Group: Party Identification	Element: Buyer
Description/Comments			
GS1 XML Path	orderPartyInformation→buyer→gln		
Basic Type	Element		
Comments	Part of complex type OrderPartyInformationType which covers buyer and seller details.		
Schema Constraints	Mandatory: Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Co-requisites	orderPartyInformation→seller→gln *(Global Location Number)*
	orderPartyInformation→buyerCompanyRegistrationNumber *(ABN Number)*
	orderPartyInformation→sellerCompanyRegistrationNumber *(ABN Number)*
Optional Elements	(Relative to orderPartyInformation)
	→buyer→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	→buyer→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*
	→seller→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	→seller→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*
	→billTo *(PartyIdentificationType)*
	→orderContact *(ContactType)*
	→goodsRequirementsPlanner *(ContactType)*

5.7 Buyer ABN

AS5023 Reference	*Section*: Header	*Group:* Party Identification	*Element:* Buyer ABN
Description/Comments			
GS1 XML Path	orderPartyInformation→buyerCompanyRegistrationNumber		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 0..1		
Co-requisites			
Optional Elements			

5.8 Supplier

AS5023 Reference	Section: Header	Group: Party Identification	Element: Supplier
Description/Comments			
GS1 XML Path	orderPartyInformation→seller→gln		
Basic Type	Element		
Comments	Part of complex type *OrderPartyInformationType* which covers buyer and seller details.		
Schema Constraints	*Mandatory:* Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Co-requisites	orderPartyInformation→buyer→gln *(Global Location Number)* orderPartyInformation→buyerCompanyRegistrationNumber *(ABN Number)* orderPartyInformation→sellerCompanyRegistrationNumber *(ABN Number)*		
Optional Elements	(Relative to orderPartyInformation) →seller→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →seller→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →buyer→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →buyer→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →billTo *(PartyIdentificationType)* →orderContact *(ContactType)* →goodsRequirementsPlanner *(ContactType)*		

5.9   Supplier ABN

AS5023 Reference	Section: Header	Group: Party Identification	Element: Supplier ABN
Description/Comments			
GS1 XML Path	orderPartyInformation→sellerCompanyRegistrationNumber		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 0..1		
Co-requisites			
Optional Elements			

5.10   Bill To

AS5023 Reference	Section: Header	Group: Party Identification	Element: Bill to
Description/Comments			
GS1 XML Path	orderPartyInformation→billTo→gln		
Basic Type	Element		
Comments	Part of complex type *OrderPartyInformationType* which covers buyer and seller details.		
Schema Constraints	Mandatory: No		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Co-requisites	(Relative to orderPartyInformation)
	→seller *(PartyIdentificationType)*
	→buyer *(PartyIdentificationType)*
	orderPartyInformation→buyerCompanyRegistrationNumber *(ABN Number)*
	orderPartyInformation→sellerCompanyRegistrationNumber *(ABN Number)*
Optional Elements	(Relative to orderPartyInformation)
	→billTo→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	→billTo→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*
	→orderContact *(ContactType)*
	→goodsRequirementsPlanner *(ContactType)*

5.11 Order Contact

5.11.1 Buyer Contact Name

AS5023 Reference	*Section*: Header	*Group:* Contact Information	*Element:* Buyer Contact name
Description/Comments			
GS1 XML Path	orderPartyInformation→orderContact→personOrDepartmentName→description→text		
Basic Type	Element		
Comments	Part of complex type *ContactType* which holds all information relating to a contact person or point.		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of orderContact is 0..1 Cardinality of description is 1..*		

Co-requisites	(Relative to orderPartyInformation)
	orderPartyInformation→buyerCompanyRegistrationNumber *(ABN Number)*
	orderPartyInformation→sellerCompanyRegistrationNumber *(ABN Number)*
	→orderContact→personOrDepartmentName→description→language→languageISOCode
	→seller (PartyIdentificationType)
	→buyer (PartyIdentificationType)
Optional Elements	(Relative to orderPartyInformation)
	→orderContact→communicationChannel→communicationChannelCode
	→orderContact→communicationChannel→communicationNumber
	→billTo (PartyIdentificationType)
	→goodsRequirementsPlanner (ContactType)

5.11.2 Language

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Buyer Name - Required by GS1				
GS1 XML Path	orderContact→personOrDepartmentName→description→language→languageISOCode				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* Yes, where *orderPartyInformation→orderContact→personOrDepartmentName→description→text* is populated				
	Data Type: string				
	Cardinality: 1..1				
	SHALL be one of the ISO 639 codes.				
Co-requisites	orderPartyInformation→orderContact→personOrDepartmentName→description→text				
Optional Elements	None				

5.11.3   Buyer Contact Phone

AS5023 Reference	Section: Header	Group: Contact information	Element: Buyer Contact Phone
Description/Comments			
GS1 XML Path	orderPartyInformation→orderContact→communicationChannel→communicationNumber		
Basic Type	Attribute		
Comments	Part of complex type *ContactType* which holds all information relating to a contact person or point. An unlimited number of communicationChannel elements can be used. communicationsChannelCode is one of: EMAIL; TELEFAX; TELEPHONE; WEBSITE		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	communicationChannelCode SHALL also be set to 'TELEPHONE' Cardinality of *communicationsChannel* is 0..*		
Co-requisites	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode *(CommunicationChannelCodeListType)* →personOrDepartmentName *(MultiDescriptionType)*		
Optional Elements	None		

5.11.4   Buyer Contact Fax

AS5023 Reference	Section: Header	Group: Contact information	Element: Buyer Contact Fax
Description/Comments			
GS1 XML Path	orderPartyInformation→orderContact→communicationChannel→communicationNumber		
Basic Type	Attribute		
Comments	Part of complex type *ContactType* which holds all information relating to a contact person or point. An unlimited number of communicationChannel elements can be used. communicationsChannelCode is one of: EMAIL; TELEFAX; TELEPHONE; WEBSITE		

Schema Constraints	Mandatory: No
	Data Type: string
	Cardinality: 1..1
	communicationChannelCode SHALL also be set to 'TELEFAX' Cardinality of communicationsChannel is 0..*
Co-requisites	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode (CommunicationChannelCodeListType) →personOrDepartmentName (MultiDescriptionType)
Optional Elements	None

5.11.5 Buyer Contact Email

AS5023 Reference	Section: Header	Group: Contact information	Element: Buyer Contact Email
Description/Comments			
GS1 XML Path	orderPartyInformation→orderContact→communicationChannel→communicationNumber		
Basic Type	Attribute		
Comments	Part of complex type ContactType which holds all information relating to a contact person or point. An unlimited number of communicationChannel elements can be used. communicationsChannelCode is one of: EMAIL; TELEFAX; TELEPHONE; WEBSITE		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	communicationChannelCode SHALL also be set to 'EMAIL' Cardinality of communicationsChannel is 0..*		
Co-requisites	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode (CommunicationChannelCodeListType) →personOrDepartmentName (MultiDescriptionType)		

Optional Elements	None

5.11.6 Communications Channel

AS5023 Reference	Section:		Group:		Element:	
Description/Comments	Related to Buyer Contact Details – Required by GS1					
GS1 XML Path	orderPartyInformation→orderContact→communicationChannel→communicationChannelCode					
Basic Type	Element					
Comments						
Schema Constraints	Mandatory: No					
	Data Type: List					
	Cardinality: 1..1					
	Allowable Values are: EMAIL TELEFAX TELEPHONE WEBSITE					
Co-requisites	orderPartyInformation→orderContact→communicationChannel→communicationNumber					
Optional Elements	None					

5.12 Order Logistical Information

5.12.1 Ship To

AS5023 Reference	Section: Header	Group: Party Identification	Element: Ship to location
Description/Comments			
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipTo→gln		
Basic Type	Element		
Comments	Part of complex type *orderLogisticalInformationType* that covers a wide range of shipping/delivery dates and details.		
Schema Constraints	Mandatory: Yes, conditionally. It is part of a group of two elements where one and only one SHALL be present.		

	Data Type: Global Location Number
	Cardinality: 1..1
	This element is part of two choice groups. This means that selecting shipToLogistics→shipTo excludes the use of both shipToLogistics→shipToNonCommercial and shipFromLogistics.
Co-requisites	One of the seven elements from the orderLogisticalDateGroup choice group: (Relative to orderLogisticalInformation→orderLogisticalDateGroup) →requestedDeliveryDateAtUltimateConsignee *(Complex Type: LogisticalDateType)* →requestedDeliveryDate *(Complex Type: LogisticalDateType)* →requestedShipDate *(Complex Type: LogisticalDateType)* →requestedPickUpDate *(Complex Type: LogisticalDateType)* →requestedDeliveryDateRangeAtUltimateConsignee *(Complex Type: LogisticalDateRangeType)* →requestedShipDateRange *(Complex Type: LogisticalDateRangeType)* →requestedDeliveryDateRange *(Complex Type: LogisticalDateRangeType)*
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics) →inventoryLocation *(PartyIdentificationType)* →ultimateConsignee *(PartyIdentificationType)* →shipmentTransportationInformation→carrier *(PartyIdentificationType)* →shipmentTransportationInformation→serviceLevelCode *(ServiceLevelCodeListType)* →shipmentTransportationInformation→shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeListType)* →shipmentTransportationInformation→transportationMethodType *(Attribute TransportationMethodTypeCodeListType)*

5.12.2   Transport and Delivery

AS5023 Reference	*Section:* Header	*Group:* Transport and Delivery	*Element:* Details
Description/Comments	AS5023 does not elaborate on details of transport and delivery terms, but treats it as a single entity. Refer to the following entries for details of the GS1 XML element.		
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation		
Basic Type	Element		
Comments	*shipmentTransportInformation* is a complex type which is available at both header and line levels.		

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Schema Constraints	Mandatory: No
	Data Type: ShipmentTransportationInformationType (Complex Type)
	Cardinality: 0..1
	shipmentTransportInformation is only available in the *shipToLogistics* element. Specifically, it is not available in the *shipFromLogistics* elements. (Note: there are two elements with similar names: *shipFromLogistics* which is a sibling of *shipToLogistics*, and *shipFrom* which is a child of *shipToLogistics*.)
Co-requisites	orderLogisticalInformation→shipToLogistics→shipTo *(PartyIdentificationType)*
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics) →inventoryLocation *(PartyIdentificationType)* →ultimateConsignee *(PartyIdentificationType)*

5.12.3   Carrier

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Transport and Delivery			
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation→carrier→gln			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: Global Location Number			
	Cardinality: 0..1			

	Allowable values for *transportationMethodTypeCodeList* are: AIR AIR_CHARTER AIR_EXPRESS AIR_FREIGHT BEST_WAY_SHIPPERS_OPTION BOOK_POSTAL BUS CAB CONSOLIDATION CONTRACT_CARRIER CUSTOMER_PICKUP CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE EXPEDITED_TRUCK	GEOGRAPHIC_RECEIVING GEOGRAPHIC_RECEIVING_SHIPPING GEOGRAPHIC_SHIPPING INLAND_WATERWAY INTERMODAL_PIGGYBACK LESS_THAN_TRUCK_LOAD MOTOR MOTOR_COMMON_CARRIER MOTOR_FLATBED MOTOR_PACKAGE_CARRIER MOTOR_TRUCKLOAD MOTOR_VAN MUTUALLY_DEFINED OCEAN PARCEL_POST	PIPELINE POOLED_AIR POOLED_PIGGYPACK POOL_TO_POOL POOLED_RAIL POOLED_TRUCK POOL_TO_POOL PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK
Co-requisites	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*		
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeListType)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*		

5.12.4   Service Level

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation→serviceLevelCode		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		

	Data Type: ServiceLevelCodeListType
	Cardinality: 0..1

Allowable values are:	
AUTHORIZED_RETURN_SERVICE	NEXT_DAY_PM
CONSIGNEE_BILLING_SERVICE	NEXT_MORNING
DELIVERY_CONFIRMATION	PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1030
EXPEDITED_SERVICE	PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1700
EXPEDITED_SERVICE_WORLDWIDE	SAME_DAY
EXPRESS_SERVICE	SATURDAY
EXPRESS_SERVICE_PLUS	SATURDAY_PICKUP
GROUND	SECOND_DAY_AIR
GROUND_CX_EXPRESS_SERVICE	SECOND_MORNING
MULTIWEIGHT	STANDARD_GROUND_HUNDRED_WEIGHT
MUTUALLY_DEFINED	STANDARD_SERVICE
NEXT_DAY_AIR	THREE_DAY_SERVICE

Allowable values for *transportationMethodTypeCodeList* are:		
AIR	GEOGRAPHIC_RECEIVING	PIPELINE
AIR_CHARTER	GEOGRAPHIC_RECEIVING_SHIPPING	POOLED_AIR
AIR_EXPRESS	GEOGRAPHIC_SHIPPING	POOLED_PIGGYPACK
AIR_FREIGHT	INLAND_WATERWAY	POOL_TO_POOL
BEST_WAY_SHIPPERS_OPTION	INTERMODAL_PIGGYBACK	POOLED_RAIL
BOOK_POSTAL	LESS_THAN_TRUCK_LOAD	POOLED_TRUCK
BUS	MOTOR	POOL_TO_POOL
CAB	MOTOR_COMMON_CARRIER	PRIVATE_CARRIER
CONSOLIDATION	MOTOR_FLATBED	PRIVATE_PARCEL_SERVICE
CONTRACT_CARRIER	MOTOR_PACKAGE_CARRIER	PRIVATE_VESSEL
CUSTOMER_PICKUP	MOTOR_TRUCKLOAD	RAIL
CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE	MOTOR_VAN	ROADRAILER
EXPEDITED_TRUCK	MUTUALLY_DEFINED	SEA_AIR
	OCEAN	STEAM_SHIP
	PARCEL_POST	SUPPLIER_TRUCK

Co-requisites	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*

Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*

5.12.5 Special Handling

AS5023 Reference	*Section:* Header		*Group:*		*Element:*
Description/Comments	Refer to Transport and Delivery				
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation→ shipmentSpecialHandlingCode				
Basic Type	Element				
Comments					
FSchema Constraints	*Mandatory:* No				
	Data Type: ShipmentSpecialHandlingCodeList				
	Cardinality: 0..*				
	Allowable Values are: AM_DELIVERY_REQUIREMENT BLIND_SHIPMENT DISPOSE_OF_RESIDUE_HEEL DEFERRED_DELIVERY DO_NOT_BREAK_DOWN DO_NOT_FREEZE DO_NOT_SPLIT_SHIPMENT DO_NOT_STACK DROP_OFF_DELIVERY DROP_YARD EXCLUSIVE_USE_OF_VEHICLE EXPEDITED_SERVICE	EXTRA_DRIVER FRAGILE_HANDLE_WITH_CARE GUARANTEED HEAT HEAT_IN_TRANSIT HEAT_SPECIAL HEAT_WITH_STEAM INSIDE_PICKUP KEEP_MATERIAL_DRY LOAD_ON_TOP_OF_RESIDUE_HEEL LOADED_TO_FULL_VISIBLE_CAPACITY NEXT_DAY_DELIVERY		NOTIFY_CONSIGNEE_BEFORE_DELIVERY PERISHABLE PM_DELIVERY_REQUIRED PROTECT_FROM_HEAT REFRIGERATED RESIDENTIAL_DELIVERY ROUND_TRIP_SERVICE SECURITY_SIGNATURE_SERVICE SECOND_DAY_DELIVERY SINGLE_SHIPMENT TEMPERATURE_CONTROL TOP_FREIGHT_ONLY		

	Allowable values for *transportationMethodTypeCodeList* are: AIR AIR_CHARTER AIR_EXPRESS AIR_FREIGHT BEST_WAY_SHIPPERS_OPTION BOOK_POSTAL BUS CAB CONSOLIDATION CONTRACT_CARRIER CUSTOMER_PICKUP CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE EXPEDITED_TRUCK	GEOGRAPHIC_RECEIVING GEOGRAPHIC_RECEIVING_SHIPPING GEOGRAPHIC_SHIPPING INLAND_WATERWAY INTERMODAL_PIGGYBACK LESS_THAN_TRUCK_LOAD MOTOR MOTOR_COMMON_CARRIER MOTOR_FLATBED MOTOR_PACKAGE_CARRIER MOTOR_TRUCKLOAD MOTOR_VAN MUTUALLY_DEFINED OCEAN PARCEL_POST	PIPELINE POOLED_AIR POOLED_PIGGYPACK POOL_TO_POOL POOLED_RAIL POOLED_TRUCK POOL_TO_POOL PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK
Co-requisites	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*		
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeList)*		

5.12.6   Transport Method

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation→transportationMethodType		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: TransportationMethodTypeCodeList		

	Cardinality: 1..1

Allowable values for *transportationMethodTypeCodeList* are: AIR AIR_CHARTER AIR_EXPRESS AIR_FREIGHT BEST_WAY_SHIPPERS_OPTION BOOK_POSTAL BUS CAB CONSOLIDATION CONTRACT_CARRIER CUSTOMER_PICKUP CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE EXPEDITED_TRUCK	GEOGRAPHIC_RECEIVING GEOGRAPHIC_RECEIVING_SHIPPING GEOGRAPHIC_SHIPPING INLAND_WATERWAY INTERMODAL_PIGGYBACK LESS_THAN_TRUCK_LOAD MOTOR MOTOR_COMMON_CARRIER MOTOR_FLATBED MOTOR_PACKAGE_CARRIER MOTOR_TRUCKLOAD MOTOR_VAN MUTUALLY_DEFINED OCEAN PARCEL_POST	PIPELINE POOLED_AIR POOLED_PIGGYPACK POOL_TO_POOL POOLED_RAIL POOLED_TRUCK POOL_TO_POOL PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK

Co-requisites	None
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeList)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*

5.12.7   Required Delivery Date

AS5023 Reference	*Section*: Header	*Group:* Reference Dates	*Element:* Required Delivery Date
Description/Comments			
GS1 XML Path	orderLogisticalInformation→orderLogisticalDateGroup→requestedDeliveryDate→date		
Basic Type	Element		
Comments	Part of complex type *orderLogisticalInformationType* that covers a wide range of shipping/delivery dates and details.		

Schema Constraints	Mandatory: Yes, conditionally. Part of Choice group of elements of which one and only one SHALL be present (ie. either this, Earliest Delivery or Latest Delivery must be present).
	Data Type: Date
	Cardinality: 1..1
	The requestedDeliveryDate element is in a Choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows:
	(Relative to orderLogisticalInformation→orderLogisticalDateGroup)
	→requestedDeliveryDateAtUltimateConsignee *(Complex Type: LogisticalDateType)*
	→requestedDeliveryDate *(Complex Type: LogisticalDateType)*
	→requestedShipDate *(Complex Type: LogisticalDateType)*
	→requestedPickUpDate *(Complex Type: LogisticalDateType)*
	→requestedDeliveryDateRangeAtUltimateConsignee *(Complex Type: LogisticalDateRangeType)*
	→requestedShipDateRange *(Complex Type: LogisticalDateRangeType)*
	→requestedDeliveryDateRange *(Complex Type: LogisticalDateRangeType)*
Co-requisites	(Relative to orderLogisticalInformation)
	→shipToLogistics→shipTo→gln *(GlobalLocationNumberType)*
Optional Elements	(Relative to orderLogisticalInformation→orderLogisticalDateGroup)
	→requestedDeliveryDate→time *(time)*
	Note that other optional elements are available depending on which of the co-requisite choices is selected.

5.12.8   Latest Delivery

AS5023 Reference	Section: Header	Group: Reference Dates	Element: Deliver not after date
Description/Comments			
GS1 XML Path	orderLogisticalInformation→orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate		
Basic Type	Element		
Comments	Part of complex type *orderLogisticalInformationType* that covers a wide range of shipping/delivery dates and details.		
	Note that it is impossible to specify **only** the Latest Delivery – the Earliest Delivery SHALL also be specified.		

Schema Constraints	*Mandatory:* Yes, conditionally. Part of a Choice group of elements of which one and only one SHALL be present. (ie. either this, Required Delivery Data or Earliest Delivery must be present).
	Data Type: Date
	Cardinality: 1..1
	The requestedDeliveryDate element is in a choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows:
	(Relative to orderLogisticalInformation→orderLogisticalDateGroup)
	→requestedDeliveryDateAtUltimateConsignee *(Complex Type: LogisticalDateType)*
	→requestedDeliveryDate *(Complex Type: LogisticalDateType)*
	→requestedShipDate *(Complex Type: LogisticalDateType)*
	→requestedPickUpDate *(Complex Type: LogisticalDateType)*
	→requestedDeliveryDateRangeAtUltimateConsignee *(Complex Type: LogisticalDateRangeType)*
	→requestedShipDateRange *(Complex Type: LogisticalDateRangeType)*
	→requestedDeliveryDateRange *(Complex Type: LogisticalDateRangeType)*
Co-requisites	(Relative to orderLogisticalInformation)
	→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate *(date)*
	→shipToLogistics→shipTo→gln *(GlobalLocationNumberType)*
Optional Elements	(Relative to orderLogisticalInformation→orderLogisticalDateGroup)
	→requestedDeliveryDateRange→lastestTime *(time)*
	→requestedDeliveryDateRange →earliestTime *(time)*

5.12.9 Earliest Delivery

AS5023 Reference	*Section*: Header	*Group:* Reference Dates	*Element:* Deliver not before date
Description/Comments			
GS1 XML Path	orderLogisticalInformation→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate		
Basic Type	Element		
Comments	Part of a complex type *orderLogisticalInformationType* that covers a wide range of shipping/delivery dates and details. Note that it is impossible to specify **only** the Earliest Delivery – the Latest Delivery SHALL also be specified.		

Schema Constraints	*Mandatory:* Yes, conditionally. Part of a group of elements of which one and only one SHALL be present. (ie. either this, Required Delivery Date or Latest Delivery must be present)
	Data Type: Date
	Cardinality: 1..1
	The requestedDeliveryDate element is in a choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows: (Relative to orderLogisticalInformation→orderLogisticalDateGroup) →requestedDeliveryDateAtUltimateConsignee *(Complex Type: LogisticalDateType)* →requestedDeliveryDate *(Complex Type: LogisticalDateType)* →requestedShipDate *(Complex Type: LogisticalDateType)* →requestedPickUpDate *(Complex Type: LogisticalDateType)* →requestedDeliveryDateRangeAtUltimateConsignee *(Complex Type: LogisticalDateRangeType)* →requestedShipDateRange *(Complex Type: LogisticalDateRangeType)* →requestedDeliveryDateRange *(Complex Type: LogisticalDateRangeType)*
Co-requisites	(Relative to orderLogisticalInformation) →orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate →shipToLogistics→shipTo→gln *(GlobalLocationNumberType)*
Optional Elements	(Relative to orderLogisticalInformation→orderLogisticalDateGroup) →requestedDeliveryDateRange→earliestTime *(time)* →requestedDeliveryDateRange→lastestTime *(time)*

5.13   Allowances and Charges

AS5023 Reference	*Section:* Header	*Group:* Allowances and Charges	*Element:* Allowances and Charges
Description/Comments	This was only included at the line level in the AS5023 specification. Given that allowances and charges can also appear at the header level and that GS1 caters for that situation, they have been included.		
GS1 XML Path	allowanceCharge *(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: AllowanceChargeType
	Cardinality: 0..*
Co-requisites	creationDateTime *(Attribute, datetime)* documentStatus *(Attribute, list)* orderIdentificationType→uniqueCreatorIdentification *(string)* orderPartyInformation→seller→gln *(Global Location Number)* orderPartyInformation→buyer→gln *(Global Location Number)* orderLogisticalInformation *(OrderLogisticalInformationType)* multiShipmentOrderLineItem *(MultiShipmentOrderLineItemType)* orderHeaderIndicator *(OrderHeaderIndicatorType)*
Optional Elements	All other elements

5.13.1 Amount or Percentage

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	Choice: (relative to allowanceCharge→ monetaryAmountOrPercentage) →amount→monetaryAmount →percentage →measurementValue→value →ratePerUnit→allowanceOrChargeRatePerUnit		
Basic Type	Element		
Comments			

Schema Constraints	Mandatory: No
	Data Type: amount→monetaryAmount: *Float* percentage: *PercentageType* measurementValue→value: *decimal* ratePerUnit→allowanceOrChargeRatePerUnit: *Non-negative Integer*
	Cardinality: 1..1
	Cardinality of *monetaryAmountOrPercentage* is 1..* sequenceNumber SHALL be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules – typically, GST is the last in the sequence.

Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES
Allowable values for *allowanceOrChargeType* are:	ALLOWANCE	CHARGE
Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE

Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage→amount→currencyCode→currencyISOCode *(string)* →monetaryAmountOrPercentage→measurementValue→unitOfMeasure *(Attribute, string)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)*

Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge)
	→effectiveDateType *(Attribute, EffectiveDateListType)*
	→monetaryAmountOrPercentage→ratePerUnit→amountPerUnit *(AmountType)*
	→monetaryAmountOrPercentage→ratePerUnit→percentagePerUnit *(PercentageType)*
	→monetaryAmountOrPercentage→ratePerUnit→measurementPerUnit *(MeasurementValueType)*
	→allowanceChargePriceBracket *(AllowanceChargePriceBracketType)*
	→baseAmount *(MonetaryAmountOrPercentageType)*
	→allowanceChargeDescription *(MultiDescriptionType)*

5.13.2 Charge Type

AS5023 Reference	*Section:* Header	*Group:*		*Element:*	
Description/Comments	Refer to Allowances and Charges				
GS1 XML Path	allowanceCharge→allowanceChargeType				
Basic Type	Attribute				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: List				
	Cardinality: 1..1				
	sequenceNumber SHALL be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules - typically, GST is the last in the sequence.				
	Allowable values are:	INSURANCE_CHARGE		ULLAGE	
	ALLOWANCE_GLOBAL	LUMP_SUM		QUANTITY DISCOUNT	
	CHARGE_GLOBAL	MARKUP_FOR_SMALL_VOLUME_PURCHASES		TRADE DISCOUNT	
	CONSOLIDATED	PACKING_CHARGES		VOLUME DISCOUNT	
	FLAT_RATE			EARLY PAYMENT	
	FREIGHT_COSTS	Additional values subject to the Change Request are:		SPECIAL HANDLING	
	FREE_GOODS	WAREHOUSE		PALLET	
	Allowable values for *allowanceOrChargeType* are:	ALLOWANCE		CHARGE	

	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)*		
Optional Elements	(Relative to allowanceCharge) →effectiveDateType *(Attribute, EffectiveDateListType)* →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*		

5.13.3   Sequence Number

AS5023 Reference	*Section:* Header	*Group:*		*Element:*
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	allowanceCharge→ sequenceNumber			
Basic Type	Attribute			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: Non-negative Integer			
	Cardinality: 0..1			

	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES
	Allowable values for *allowanceOrChargeType* are: ALLOWANCE CHARGE		
	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)* →effectiveDateType *(Attribute, EffectiveDateListType)*		
Optional Elements	(Relative to allowanceCharge) →allowanceChargePriceBracket (AllowanceChargePriceBracketType) →baseAmount (MonetaryAmountOrPercentageType) →allowanceChargeDescription (MultiDescriptionType)		

5.13.4 Allowance or Charge

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	allowanceCharge→allowanceOrChargeType		
Basic Type	Attribute		
Comments			

Schema Constraints	Mandatory: No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: ALLOWANCE CHARGE		
	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES
	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →settlementType *(Attribute, SettlementListType)* →effectiveDateType *(Attribute, EffectiveDateListType)*		
Optional Elements	(Relative to allowanceCharge) →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*		

5.13.5   Settlement Type

AS5023 Reference	Section: Header		Group:		Element:	
Description/Comments	Refer to Allowances and Charges					
GS1 XML Path	allowanceCharge→settlementType					
Basic Type	Attribute					
Comments						
Schema Constraints	Mandatory: No					
	Data Type: List					
	Cardinality: 1..1					
	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER		CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS		OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK	
	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL		CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS		INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES	
	Allowable values for *allowanceOrChargeType* are:		ALLOWANCE		CHARGE	
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE		FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE		LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE	
Co-requisites	(Relative to allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →effectiveDateType *(Attribute, EffectiveDateListType)*					

Optional Elements	(Relative to allowanceCharge)
	→allowanceChargePriceBracket *(AllowanceChargePriceBracketType)*
	→baseAmount *(MonetaryAmountOrPercentageType)*
	→allowanceChargeDescription *(MultiDescriptionType)*

5.14 Payment Terms

AS5023 Reference	*Section:* Header	*Group:* Payment	*Element:* Payment terms
Description/Comments	AS5023 does not elaborate on details of payment terms, but treats it as a single entity. Refer to the following entries for details of the GS1 XML element.		
GS1 XML Path	paymentTerms		
Basic Type	Element		
Comments	*paymentTerms* is a complex type: *PaymentTermsType* which has five elements and two attributes. They provide the detail which is not given in the AS5023 standard. The five elements correspond to specific types of Payment Terms, and are dealt with separately as extensions of the Payment Terms data element.		
Schema Constraints	*Mandatory:* No		
	Data Type: PaymentTermsType (complex type)		
	Cardinality: 0..*		
Co-requisites	None		
Optional Elements	None		

5.14.1 Net Payment

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Payment Terms		
GS1 XML Path	paymentTerms→netPayment→paymentTimePeriod→date		

Basic Type	Element

Comments	*date* belongs to a *paymentTimePeriod* Choice group of three elements, one of which SHALL be selected. *date* was chosen as representative of the group. The elements in the group are:
	
	    paymentTimePeriod→date *(date)*
	    paymentTimePeriod→dayOfMonthDue *(integer)*
	    paymentTimePeriod→timePeriodDue *(TimePeriodDueType)*
	    timePeriodDue is a Complex Type with the following components:
	        →value *(Non-negative integer)*
	        →timePeriod *(Attribute, List: DAYS, WEEKS, MONTHS)*
	Except for the specific data required for each of these elements, comments about the *date* element apply equally to all three.

Schema Constraints			
	Mandatory: No		
	Data Type: date		
	Cardinality: 1..1		
	Cardinality of *netPayment* is 0..1 *netPayment* is optional, however if it is used, then *date* belongs to a group of three elements, one of which SHALL be selected.		
	Allowable values for paymentTermsType 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
	Allowable values for *paymentTermsEvent* 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	

Co-requisites	→paymentTermsType *(Attribute, PaymentTermsTypeListType)* →paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*

Optional Elements	(Relative to paymentTerms) →installmentDue *(InstallmentDueType)* →discountPayment *(DiscountPaymentType)* →proximoCutOffDay *(ProximoCutOffDayType)* →paymentMethod *(PaymentMethodType)*

5.14.2 Instalment Due

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Payment Terms			
GS1 XML Path	paymentTerms→installmentDue→percentOfPaymentDue			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: PercentageType			
	Cardinality: 1..1			
	Cardinality of *installmentDue* is 0..1			
	Allowable values for *paymentTermsType* 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	
	Allowable values for paymentTermsEvent 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			

Co-requisites	(Relative to paymentTerms)
	→installmentDue→paymentTimePeriod
	paymentTimePeriod is a Choice group of three elements, one of which SHALL be selected. The elements in the group are:
	paymentTimePeriod→date *(date)*
	paymentTimePeriod→dayOfMonthDue *(integer)*
	paymentTimePeriod→timePeriodDue *(TimePeriodDueType)*
	timePeriodDue is a Complex Type with the following components:
	→value *(Non-negative integer)*
	→timePeriod *(Attribute, List: DAYS, WEEKS, MONTHS)*
	Except for the specific data required for each of these elements, comments about the *date* element apply equally to all three.
	→paymentTermsType *(Attribute, PaymentTermsTypeListType)*
	→paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*
Optional Elements	(Relative to paymentTerms)
	→netPayment *(NetPaymentType)*
	→discountPayment *(DiscountPaymentType)*
	→proximoCutOffDay *(ProximoCutOffDayType)*
	→paymentMethod *(PaymentMethodType)*

5.14.3   Discount Amount

AS5023 Reference	*Section:* Header	*Group:*		*Element:*
Description/Comments	Refer to Payment Terms			
GS1 XML Path	paymentTerms→discountPayment→discountAmount→monetaryAmount			
Basic Type	Element			
Comments	Currency code must be used if this element is used.			
Schema Constraints	*Mandatory:* No			
	Data Type: float			
	Cardinality: 0..1			

	Cardinality of *discountPayment* is 0..*
	Allowable values for *paymentTermsType* 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
	Allowable values for *paymentTermsEvent* 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	
Co-requisites	(Relative to paymentTerms) →discountPayment→discountAmount→currencyCode→currencyISOCode *(string)* →discountPayment →paymentTimePeriod *(PaymentTimePeriodType)* →discountPayment →discountType *(Attribute, string)* →paymentTermsType *(Attribute, PaymentTermsTypeListType)* →paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*
Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription *(MultiDescriptionType)* →discountPayment→discountPercent *(PercentageType)* →netPayment *(NetPaymentType)* →installmentDue *(InstallmentDueType)* →proximoCutOffDay *(ProximoCutOffDayType)* →paymentMethod *(PaymentMethodType)*

5.14.4 Discount Percentage

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Payment Terms			
GS1 XML Path	paymentTerms→discountPayment→discountPercent			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: PercentageType			
	Cardinality: 0..1			
	Cardinality of *discountPayment* is 0..*			
	Allowable values for *paymentTermsType* 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	
	Allowable values for *paymentTermsEvent* 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			
Co-requisites	(Relative to paymentTerms) →discountPayment →paymentTimePeriod *(PaymentTimePeriodType)* →discountPayment →discountType *(Attribute, string)* →paymentTermsType *(Attribute, PaymentTermsTypeListType)* →paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*			

Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription *(MultiDescriptionType)* →discountPayment→discountAmount→monetaryAmount *(float)* →netPayment *(NetPaymentType)* →installmentDue *(InstallmentDueType)* →proximoCutOffDay *(ProximoCutOffDayType)* →paymentMethod *(PaymentMethodType)*

5.14.5 Proximo

AS5023 Reference	*Section:* Header	*Group:*		*Element:*	
Description/Comments	Refer to Payment Terms				
GS1 XML Path	paymentTerms→proximoCutOffDay→value				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: Non-negative Integer				
	Cardinality: 0..1				
Co-requisites	(Relative to paymentTerms) →paymentTermsType *(Attribute, PaymentTermsTypeListType)* →paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*				
Optional Elements	(Relative to paymentTerms) →netPayment *(NetPaymentType)* →installmentDue *(InstallmentDueType)* →discountPayment *(DiscountPaymentType)* →paymentMethod *(PaymentMethodType)*				

5.14.6 Payment Method

AS5023 Reference	Section: Header	Group:		Element:
Description/Comments	Refer to Payment Terms			
GS1 XML Path	Choice: paymentTerms→paymentMethod→automatedClearingHousePaymentFormat paymentTerms→paymentMethod→paymentMethodType			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: For automatedClearingHousePaymentFormat: 　　　Payment Format List For paymentMethodType 　　　Payment Method List			
	Cardinality: 1..1			

Allowable values for *automatedClearingHousePaymentFormat*:

CCD CCP	CTX PPD PPP

Allowable values for *paymentMethodType*:

BANK_GIRO BANKERS_DRAFT BANK_CHEQUE BOOKENTRY_CREDIT BOOKENTRY_DEBIT BOP	CASH CERTIFIED_CHEQUE CHEQUE CREDIT_CARD DEBIT_CARD ELECTRONIC_CREDIT_ACH ELECTRONIC_DEBIT_ACH	FED_WIRE_NON_REPETITIVE FED_WIRE_REPETITIVE INTERNATIONAL_WIRE LETTER_OF_CREDIT POSTGIRO WIRE_TRANSFER_CREDIT WIRE_TRANSFER_DEBIT

Allowable values for *paymentTermsType* 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

	Allowable values for *paymentTermsEvent* are:	DATE_OF_INVOICE
	AFTER_DATE_OF_DELIVERY	DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS
	ANTICIPATED_DELIVERY_DATE	EFFECTIVE_DATE
	DATE_INVOICE_RECEIVED	INVOICE_TRANSMISSION_DATE
	DATE_OF_DELIVERY_TO_SITE	RECEIPT_OF_GOODS
Co-requisites	(Relative to paymentTerms)	
	→paymentTermsType *(Attribute, PaymentTermsTypeListType)*	
	→paymentTermsEvent *(Attribute, PaymentTermsTypeListType)*	
Optional Elements	(Relative to paymentTerms)	
	→netPayment *(NetPaymentType)*	
	→installmentDue *(InstallmentDueType)*	
	→discountPayment *(DiscountPaymentType)*	
	→proximoCutOffDay *(ProximoCutOffDayType)*	

5.15   Free Text Instructions

AS5023 Reference	*Section:* Header	*Group:* Special Instructions	*Element:* Free text instructions
Description/Comments			
GS1 XML Path	additionalOrderInstruction→longText		
Basic Type	Element		
Comments	The first word will be "Standard" for normal order. For *"Loan and Consignment"* order, please use the word "Loan" or "Consignment".		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of additionalOrderInstruction is 0..1		
Co-requisites	additionalOrderInstruction→language→languageISOCode *(string)*		
	languageISOCode holds ISO 639 codes. Details available at: www.iso.org		
Optional Elements	None		

5.16 Order Instructions Language

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Free Text Instructions – Required by GS1			
GS1 XML Path	additionalOrderInstruction→language→languageISOCode			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 1..1			
	SHALL be one of the ISO 639 codes.			
Co-requisites	additionalOrderInstruction→longText *(string)*			
Optional Elements	None			

5.17 Order Header Indicator

AS5023 Reference	Section: Header	Group: Order Header Indicator	Element:
Description/Comments	Order Header Indicator is used for receipt of acknowledgement.		
GS1 XML Path	multishipmentOrder→orderHeaderIndicator		
Basic Type	Element		
Comments	Attribute orderInstruction is optional, If used shall be either NO_PARTIAL_DELIVERY_ALLOWED or PARTIAL_DELIVERY_ALLOWED		
Schema Constraints	Mandatory: No		
	Data Type: boolean		
	Cardinality: 0..1		

Co-requisites	orderHeaderIndicator →isApplicationReceiptAcknowledgementRequired*(boolean, True or False)*
	orderHeaderIndicator→isOrderFreeOfExciseTaxDuty*(boolean, True or False)*
Optional Elements	orderHeaderIndicator→orderInstruction*(string)*

5.18   Line Number

AS5023 Reference	*Section:* Detail	*Group:* Line item	*Element:* Number
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→number		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		
	Cardinality of *multiShipmentOrderLineItem* is 1..*		
Co-requisites	(Relative to multiShipmentOrderLineItem) →requestedQuantity→value *(float)* →tradeItemIdentification→gtin *(GlobalTradeItemNumberType[1])*		

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[1] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

Optional Elements	(Relative to multiShipmentOrderLineItem)
	→shipmentTransportationInformation *(ShipmentTransportationInformationType)*
	→netPrice *(MultiAmountType)*
	→netAmount *(MultiAmountType)*
	→additionalOrderLineInstruction *(DescriptionType)*
	→lineItemActionCode *(OrderLineItemActionCodeListType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→allowanceCharge *(AllowanceChargeType)*
	→shipmentDetail *(ShipmentDetailType)*
	→taxRate (attribute)

5.19   Tax Rate

AS5023 Reference	*Section:* Detail		*Group:* Tax Rate		*Element:* Tax Rate
Description/Comments	This specifies the tax rate to be used for each line item. Typically, this will be either 0 or 10%; however, some items are composed of taxable and non-taxable components and will have a calculated rate.				
GS1 XML Path	multiShipmentOrderLineItem →taxRate				
Basic Type	Attribute				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: float				
	Cardinality: 0..1				
	Cardinality of multiShipmentOrderLineItem is 1..*				
Co-requisites	None				
Optional Elements	None				

5.20 Quantity

AS5023 Reference	Section: Detail	Group: Quantity	Element: Quantity
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→requestedQuantity→value		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: float		
	Cardinality: 1..1		
	Cardinality of multiShipmentOrderLineItem is 1..*		
Co-requisites	(Relative to multiShipmentOrderLineItem) →number (Attribute, nonNegativeNumber) →tradeItemIdentification→gtin (GlobalTradeItemNumberType[2])		
Optional Elements	(Relative to multiShipmentOrderLineItem) →requestedQuantity→unitOfMeasure→measurementUnitCodeValue (string) →shipmentTransportationInformation (ShipmentTransportationInformationType) →netPrice (MultiAmountType) →netAmount (MultiAmountType) →additionalOrderLineInstruction (LongDescriptionType) →lineItemActionCode (OrderLineItemActionCodeListType) →purchaseConditions (DocumentOrDocumentLineReferenceType) →allowanceCharge (AllowanceChargeType) →shipmentDetail (ShipmentDetailType) →taxRate (attribute)		

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[2] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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5.21   Unit of Measure

AS5023 Reference	Section: Detail	Group: Quantity	Element: Unit of Measure
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem➔requestedQuantity➔ unitOfMeasure➔ measurementUnitCodeValue		
Basic Type	Element		
Comments	In GS1 XML this is an optional component whereas in AS5023 it is mandatory.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of *unitOfMeasure* is: 0..1 Allowable values for *unitOfMeasure* are defined in the EANCOM element 6411. Details of this code list can be downloaded from: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8b.htm		
Co-requisites	multiShipmentOrderLineItem➔requestedQuantity➔value *(float)*		
Optional Elements	None		

5.22   Transport Detail

AS5023 Reference	Section: Detail	Group: Transport	Element: Transport detail
Description/Comments	AS5023 does not elaborate on details of transport and delivery terms, but treats it as a single entity. Refer to the following entries for details of the GS1 XML element.		
GS1 XML Path	orderLogisticalInformation➔shipToLogistics➔shipmentTransportationInformation		
Basic Type	Element		
Comments	*shipmentTransportInformation* is a complex type which is available at both header and line levels.		
Schema Constraints	Mandatory: No		
	Data Type: ShipmentTransportationInformationType (Complex Type)		

	Cardinality: 0..1
	shipmentTransportInformation is only available in the *shipToLogistics* element. Specifically, it is not available in the *shipFromLogistics* elements. (Note: there are two elements with similar names: *shipFromLogistics* which is a sibling of *shipToLogistics*, and *shipFrom* which is a child of *shipToLogistics*.)
Co-requisites	None
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentTransportationInformation) →carrier→gln *(GlobalLocationNumberType)* →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeListType)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)* →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*

5.22.1 Carrier

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	multiShipmentOrderLineItem→shipmentTransportationInformation→carrier→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 0..1		

Allowable values for *transportationMethodTypeCodeList* are: AIR AIR_CHARTER AIR_EXPRESS AIR_FREIGHT BEST_WAY_SHIPPERS_OPTION BOOK_POSTAL BUS CAB CONSOLIDATION CONTRACT_CARRIER CUSTOMER_PICKUP CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE EXPEDITED_TRUCK	GEOGRAPHIC_RECEIVING GEOGRAPHIC_RECEIVING_SHIPPING GEOGRAPHIC_SHIPPING INLAND_WATERWAY INTERMODAL_PIGGYBACK LESS_THAN_TRUCK_LOAD MOTOR MOTOR_COMMON_CARRIER MOTOR_FLATBED MOTOR_PACKAGE_CARRIER MOTOR_TRUCKLOAD MOTOR_VAN MUTUALLY_DEFINED OCEAN PARCEL_POST	PIPELINE POOLED_AIR POOLED_PIGGYPACK POOL_TO_POOL POOLED_RAIL POOLED_TRUCK POOL_TO_POOL PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK

Co-requisites	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeListType)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*

5.22.2   Service Level

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	multiShipmentOrderLineItem→shipmentTransportationInformation→serviceLevelCode		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		

Data Type: ServiceLevelCodeListType	

Cardinality: 0..1	

Allowable values are:

AUTHORIZED_RETURN_SERVICE	NEXT_DAY_PM
CONSIGNEE_BILLING_SERVICE	NEXT_MORNING
DELIVERY_CONFIRMATION	PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1030
EXPEDITED_SERVICE	PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1700
EXPEDITED_SERVICE_WORLDWIDE	SAME_DAY
EXPRESS_SERVICE	SATURDAY
EXPRESS_SERVICE_PLUS	SATURDAY_PICKUP
GROUND	SECOND_DAY_AIR
GROUND_CX_EXPRESS_SERVICE	SECOND_MORNING
MULTIWEIGHT	STANDARD_GROUND_HUNDRED_WEIGHT
MUTUALLY_DEFINED	STANDARD_SERVICE
NEXT_DAY_AIR	THREE_DAY_SERVICE

Allowable values for *transportationMethodTypeCodeList* are:

AIR	GEOGRAPHIC_RECEIVING	PIPELINE
AIR_CHARTER	GEOGRAPHIC_RECEIVING_SHIPPING	POOLED_AIR
AIR_EXPRESS	GEOGRAPHIC_SHIPPING	POOLED_PIGGYPACK
AIR_FREIGHT	INLAND_WATERWAY	POOL_TO_POOL
BEST_WAY_SHIPPERS_OPTION	INTERMODAL_PIGGYBACK	POOLED_RAIL
BOOK_POSTAL	LESS_THAN_TRUCK_LOAD	POOLED_TRUCK
BUS	MOTOR	POOL_TO_POOL
CAB	MOTOR_COMMON_CARRIER	PRIVATE_CARRIER
CONSOLIDATION	MOTOR_FLATBED	PRIVATE_PARCEL_SERVICE
CONTRACT_CARRIER	MOTOR_PACKAGE_CARRIER	PRIVATE_VESSEL
CUSTOMER_PICKUP	MOTOR_TRUCKLOAD	RAIL
CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE	MOTOR_VAN	ROADRAILER
EXPEDITED_TRUCK	MUTUALLY_DEFINED	SEA_AIR
	OCEAN	STEAM_SHIP
	PARCEL_POST	SUPPLIER_TRUCK

Co-requisites	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*

Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*

5.22.3 Special Handling

AS5023 Reference	*Section:* Header		*Group:*		*Element:*	
Description/Comments	Refer to Transport and Delivery					
GS1 XML Path	multiShipmentOrderLineItem→shipmentTransportationInformation→ shipmentSpecialHandlingCode					
Basic Type	Element					
Comments						
Schema Constraints	*Mandatory:* No					
	Data Type: ShipmentSpecialHandlingCodeList					
	Cardinality: 0..*					
	Allowable Values are: AM_DELIVERY_REQUIREMENT BLIND_SHIPMENT DISPOSE_OF_RESIDUE_HEEL DEFERRED_DELIVERY DO_NOT_BREAK_DOWN DO_NOT_FREEZE DO_NOT_SPLIT_SHIPMENT DO_NOT_STACK DROP_OFF_DELIVERY DROP_YARD EXCLUSIVE_USE_OF_VEHICLE EXPEDITED_SERVICE		EXTRA_DRIVER FRAGILE_HANDLE_WITH_CARE GUARANTEED HEAT HEAT_IN_TRANSIT HEAT_SPECIAL HEAT_WITH_STEAM INSIDE_PICKUP KEEP_MATERIAL_DRY LOAD_ON_TOP_OF_RESIDUE_HEEL LOADED_TO_FULL_VISIBLE_CAPACITY NEXT_DAY_DELIVERY		NOTIFY_CONSIGNEE_BEFORE_DELIVERY PERISHABLE PM_DELIVERY_REQUIRED PROTECT_FROM_HEAT REFRIGERATED RESIDENTIAL_DELIVERY ROUND_TRIP_SERVICE SECURITY_SIGNATURE_SERVICE SECOND_DAY_DELIVERY SINGLE_SHIPMENT TEMPERATURE_CONTROL TOP_FREIGHT_ONLY	

Allowable values for *transportationMethodTypeCodeList* are: AIR AIR_CHARTER AIR_EXPRESS AIR_FREIGHT BEST_WAY_SHIPPERS_OPTION BOOK_POSTAL BUS CAB CONSOLIDATION CONTRACT_CARRIER CUSTOMER_PICKUP CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE EXPEDITED_TRUCK	GEOGRAPHIC_RECEIVING GEOGRAPHIC_RECEIVING_SHIPPING GEOGRAPHIC_SHIPPING INLAND_WATERWAY INTERMODAL_PIGGYBACK LESS_THAN_TRUCK_LOAD MOTOR MOTOR_COMMON_CARRIER MOTOR_FLATBED MOTOR_PACKAGE_CARRIER MOTOR_TRUCKLOAD MOTOR_VAN MUTUALLY_DEFINED OCEAN PARCEL_POST	PIPELINE POOLED_AIR POOLED_PIGGYPACK POOL_TO_POOL POOLED_RAIL POOLED_TRUCK POOL_TO_POOL PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK	
Co-requisites	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →transportationMethodType *(Attribute, TransportationMethodTypeCodeList)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeList)*		

5.22.4 Transport Method

AS5023 Reference	*Section:* Header	*Group:*	*Element:*
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	multiShipmentOrderLineItem→ shipmentTransportationInformation→transportationMethodType		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: TransportationMethodTypeCodeList		

	Cardinality: 1..1
	Allowable values for *transportationMethodTypeCodeList* are: AIR, AIR_CHARTER, AIR_EXPRESS, AIR_FREIGHT, BEST_WAY_SHIPPERS_OPTION, BOOK_POSTAL, BUS, CAB, CONSOLIDATION, CONTRACT_CARRIER, CUSTOMER_PICKUP, CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE, EXPEDITED_TRUCK, GEOGRAPHIC_RECEIVING, GEOGRAPHIC_RECEIVING_SHIPPING, GEOGRAPHIC_SHIPPING, INLAND_WATERWAY, INTERMODAL_PIGGYBACK, LESS_THAN_TRUCK_LOAD, MOTOR, MOTOR_COMMON_CARRIER, MOTOR_FLATBED, MOTOR_PACKAGE_CARRIER, MOTOR_TRUCKLOAD, MOTOR_VAN, MUTUALLY_DEFINED, OCEAN, PARCEL_POST, PIPELINE, POOLED_AIR, POOLED_PIGGYPACK, POOL_TO_POOL, POOLED_RAIL, POOLED_TRUCK, POOL_TO_POOL, PRIVATE_CARRIER, PRIVATE_PARCEL_SERVICE, PRIVATE_VESSEL, RAIL, ROADRAILER, SEA_AIR, STEAM_SHIP, SUPPLIER_TRUCK
Co-requisites	None
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →carrier→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →serviceLevelCode *(ServiceLevelCodeList)* →shipmentSpecialHandlingCode *(ShipmentSpecialHandlingCodeList)*

5.23   Unit Price

AS5023 Reference	*Section:* Detail	*Group:* Pricing	*Element:* Unit price
Description/Comments	This price excludes GST		
GS1 XML Path	multiShipmentOrderLineItem→netPrice→amount→monetaryAmount		
Basic Type	Element		
Comments			

Schema Constraints	Mandatory: Yes
	Data Type: float
	Cardinality: 1..1
	Cardinality of *netPrice* is 0..1
Co-requisites	(Relative to multiShipmentOrderLineItem)
	→netPrice→amount→currencyCode→currencyISOCode *(string)*
	→number *(Attribute, nonNegativeNumber)*
	→requestedQuantity→value *(float)*
	→tradeItemIdentification→gtin *(GlobalTradeItemNumberType[3])*
Optional Elements	(Relative to multiShipmentOrderLineItem)
	→shipmentTransportationInformation *(ShipmentTransportationInformationType)*
	→netAmount *(MultiAmountType)*
	→additionalOrderLineInstruction *(LongDescriptionType)*
	→lineItemActionCode *(OrderLineItemActionCodeListType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→allowanceCharge *(AllowanceChargeType)*
	→shipmentDetail *(ShipmentDetailType)*
	→taxRate *(attribute)*

5.24   Currency

AS5023 Reference	Section: Detail	Group: Pricing	Element: Currency
Description/Comments	The entire order SHALL be in the same currency.		
GS1 XML Path	multiShipmentOrderLineItem→netPrice→amount→currencyCode→currencyISOCode		
Basic Type	Element		

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[3] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

Comments	ISO Currency codes are located at: http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm
Schema Constraints	*Mandatory:* No
	Data Type: list
	Cardinality: 1..1
	Cardinality of *netPrice* is 0..1
Co-requisites	(Relative to multiShipmentOrderLineItem) →netPrice→monetaryAmount*(float)* →number *(Attribute, nonNegativeNumber)* →requestedQuantity→value *(float)* →tradeItemIdentification→gtin *(GlobalTradeItemNumberType[4])*
Optional Elements	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation *(ShipmentTransportationInformationType)* →netAmount *(MultiAmountType)* →additionalOrderLineInstruction *(LongDescriptionType)* →lineItemActionCode *(OrderLineItemActionCodeListType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →allowanceCharge *(AllowanceChargeType)* →shipmentDetail *(ShipmentDetailType)* →taxRate *(attribute)*

5.25   Net Amount

AS5023 Reference	*Section:* Detail	*Group:* Pricing	*Element:* Net Amount
Description/Comments	Related to Unit Price. This is the total cost of order line including taxes, allowances, and charges.		
GS1 XML Path	multiShipmentOrderLineItem→netAmount→amount→monetaryAmount		

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[4] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

Basic Type	Element
Comments	
Schema Constraints	*Mandatory:* Yes
	Data Type: float
	Cardinality: 1..1
	Cardinality of *netAmount* is 0..1
Co-requisites	(Relative to multiShipmentOrderLineItem)
	→netAmount→amount→currencyCode→currencyISOCode *(string)*
	→number *(Attribute, nonNegativeNumber)*
	→requestedQuantity→value *(float)*
	→tradeItemIdentification→gtin *(GlobalTradeItemNumberType[5])*
Optional Elements	(Relative to multiShipmentOrderLineItem)
	→shipmentTransportationInformation *(ShipmentTransportationInformationType)*
	→netPrice *(MultiAmountType)*
	→additionalOrderLineInstruction *(LongDescriptionType)*
	→lineItemActionCode *(OrderLineItemActionCodeListType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→allowanceCharge *(AllowanceChargeType)*
	→shipmentDetail *(ShipmentDetailType)*
	→taxRate *(attribute)*

5.26   Currency

AS5023 Reference	*Section:* Detail	*Group:* Pricing	*Element:* Currency
Description/Comments	The entire order SHALL be in the same currency.		
GS1 XML Path	multiShipmentOrderLineItem→netAmount→amount→currencyCode→currencyISOCode		

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[5] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

Basic Type	Element
Comments	ISO Currency codes are located at: http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm
Schema Constraints	*Mandatory:* No
	Data Type: list
	Cardinality: 1..1
	Cardinality of *netPrice* is 0..1
Co-requisites	(Relative to multiShipmentOrderLineItem) →netAmount→monetaryAmount*(float)* →number *(Attribute, nonNegativeNumber)* →requestedQuantity→value *(float)* →tradeItemIdentification→gtin *(GlobalTradeItemNumberType*[6]*)*
Optional Elements	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation *(ShipmentTransportationInformationType)* →netPrice *(MultiAmountType)* →additionalOrderLineInstruction *(LongDescriptionType)* →lineItemActionCode *(OrderLineItemActionCodeListType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →allowanceCharge *(AllowanceChargeType)* →shipmentDetail *(ShipmentDetailType)* →taxRate *(attribute)*

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[6] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

5.27 Product Identifier

AS5023 Reference	Section: Detail	Group: Product identification	Element: Unique product identifier
Description/Comments	This element SHALL be used where one exists for the item, however if it does not exist other identifiers such as the Sellers Product Code may be used.		
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→gtin		
Basic Type	Element		
Comments	This is mandatory without exceptions, contrary to the AS5023 standard.		
Schema Constraints	Mandatory: Yes		
	Data Type: Global Trade Item Number[7]		
	Cardinality: 1..1		
	Cardinality of *multiShipmentOrderLineItem* is 1..*		
Co-requisites	(Relative to multiShipmentOrderLineItem) →number *(Attribute, nonNegativeInteger)* →requestedQuantity *(float)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification) →additionalTradeItemIdentificationValue *(string)* →additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* (Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation *(ShipmentTransportationInformationType)* →netPrice *(MultiAmountType)* →netAmount *(MultiAmountType)* →additionalOrderLineInstruction *(LongDescriptionType)* →lineItemActionCode *(OrderLineItemActionCodeListType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →allowanceCharge *(AllowanceChargeType)* →shipmentDetail *(ShipmentDetailType)*		

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[7] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

5.28   Buyers Product Code

AS5023 Reference	*Section:* Detail	*Group:* Product Identification	*Element:* Buyers Product Code
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Any number of additional *tradeItemIdentifications* may be used.		
Schema Constraints	*Mandatory:* No		
	Data Type: String		
	Cardinality: 1..1		
	Cardinality of *additionalTradeItemIdentification* is 0..* The co-requisite element *additionalTradeItemIdentificationType* SHALL be set to 'BUYER_ASSIGNED'		
Co-requisites	multiShipmentOrderLineItem→ tradeItemIdentification→ additionalTradeItemIdentification→ additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* Allowable values are: BUYER_ASSIGNED (for Buyer Product Code purposes the value SHALL be set to 'BUYER_ASSIGNED') INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED FOR_INTERNAL_USE_1 (for Booking Reference Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_1') FOR_INTERNAL_USE_2 (for Lot Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_2') FOR_INTERNAL_USE_3 (for Consignment Line Type purposes the value SHALL be set to 'FOR_INTERNAL_USE_3')		
Optional Elements	None		

5.29 Sellers Product Code

AS5023 Reference	Section: Detail	Group: Product Identification	Element: Sellers Product Code
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Any number of additional *tradeItemIdentifications* may be used.		
Schema Constraints	Mandatory: No		
	Data Type: String		
	Cardinality: 1..1		
	Cardinality of *additionalTradeItemIdentification* is 0..* The co-requisite element *additionalTradeItemIdentificationType* SHALL be set to 'SUPPLIER _ASSIGNED'		
Co-requisites	multiShipmentOrderLineItem→ tradeItemIdentification→ additionalTradeItemIdentification→ additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (for Seller Product Code purposes the value SHALL be set to 'SUPPLIER_ASSIGNED') FOR_INTERNAL_USE_1 (for Booking Reference Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_1') FOR_INTERNAL_USE_2 (for Lot Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_2') FOR_INTERNAL_USE_3 (for Consignment Line Type purposes the value SHALL be set to 'FOR_INTERNAL_USE_3')		
Optional Elements	None		

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5.30   Booking Reference Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Any number of additional *tradeItemIdentifications* may be used. 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		
	Cardinality of *additionalTradeItemIdentification* is 0..* The co-requisite element *additionalTradeItemIdentificationType* SHALL be set to 'FOR_INTERNAL_USE_1'		
Co-requisites	multiShipmentOrderLineItem→ tradeItemIdentification→ additionalTradeItemIdentification→ additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (for Seller Product Code purposes the value SHALL be set to 'SUPPLIER_ASSIGNED') FOR_INTERNAL_USE_1 (for Booking Reference Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_1') FOR_INTERNAL_USE_2 (for Lot Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_2') FOR_INTERNAL_USE_3 (for Consignment Line Type purposes the value SHALL be set to 'FOR_INTERNAL_USE_3')		
Optional Elements	None		

5.31   Lot Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Any number of additional *tradeItemIdentifications* may be used. This iteration specifically relates to the Lot Number.		
Schema Constraints	*Mandatory:* No		
	Data Type: String		
	Cardinality: 1..1		
	Cardinality of *additionalTradeItemIdentification* is 0..* The co-requisite element *additionalTradeItemIdentificationType* SHALL be set to 'FOR_INTERNAL_USE_2'		
Co-requisites	multiShipmentOrderLineItem→ tradeItemIdentification→ additionalTradeItemIdentification→ additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (for Seller Product Code purposes the value SHALL be set to 'SUPPLIER_ASSIGNED') FOR_INTERNAL_USE_1 (for Booking Reference Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_1') FOR_INTERNAL_USE_2 (for Lot Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_2') FOR_INTERNAL_USE_3 (for Consignment Line Type purposes the value SHALL be set to 'FOR_INTERNAL_USE_3')		
Optional Elements	None		

5.32　Consignment Line Type

AS5023 Reference	*Section:* Detail	*Group:* Special Instructions	*Element:* Free text instructions
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Code values restricted to ""INVONLY" and "BILLREPL" only.		
Schema Constraints	*Mandatory:* No		
	Data Type: String		
	Cardinality: 1..1		
	Cardinality of *additionalTradeItemIdentification* is 0..* The co-requisite element *additionalTradeItemIdentificationType* SHALL be set to 'FOR_INTERNAL_USE_3'		
Co-requisites	multiShipmentOrderLineItem→ tradeItemIdentification→ additionalTradeItemIdentification→ additionalTradeItemIdentificationType *(AdditionalTradeItemIdentificationListType)* Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (for Seller Product Code purposes the value SHALL be set to 'SUPPLIER_ASSIGNED') FOR_INTERNAL_USE_1 (for Booking Reference Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_1') FOR_INTERNAL_USE_2 (for Lot Number purposes the value SHALL be set to 'FOR_INTERNAL_USE_2') FOR_INTERNAL_USE_3 (for Consignment Line Type purposes the value SHALL be set to 'FOR_INTERNAL_USE_3')		
Optional Elements	None		

5.33 Additional Item Identification Type

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Buyers and Sellers Product Codes - Required by GS1			
GS1 XML Path	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: AdditionalTradeItemIdentificationListType			
	Cardinality: 1..1			
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED FOR_INTERNAL_USE_1 FOR_INTERNAL_USE_2 (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. FOR_INTERNAL_USE_2 has been allocated for use to communicate the Lot 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.)			
Co-requisites	(Relative to multiShipmentOrderLineItem→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationValue *(string)*			
Optional Elements	None			

5.34 Order Line Instructions Language

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Free Text Instructions – Required by GS1			
GS1 XML Path	multiShipmentOrderLineItem→additionalOrderLineInstruction→language→languageISOCode			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			

	Data Type: string
	Cardinality: 1..1
	SHALL be one of the ISO 639 codes.
Co-requisites	multiShipmentOrderLineItem→additionalOrderLineInstruction→longText *(string)*
Optional Elements	None
Co-requisites	multiShipmentOrderLineItem→additionalOrderLineInstruction→language→languageISOCode *(string)*
Optional Elements	None

5.35 Free Text Instructions

AS5023 Reference	*Section:* Detail	*Group:* Special Instructions	*Element:* Free text instructions
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→additionalOrderLineInstruction→longtext		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of *additionalOrderLineInstruction* is 0..1. If this field is used, then the "Order Line Instruction Language" must be used.		
Co-requisites	multiShipmentOrderLineItem→additionalOrderLineInstruction→language→languageISOCode *(string)*		
Optional Elements	None		

5.36   Purchase Conditions

5.36.1   Unique Creator Identification

AS5023 Reference	Section: Detail	Group: Pricing	Element: Unique Creator Identification
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentReference→uniqueCreatorIdentification		
Basic Type	Element		
Comments	This element shall be used if a specific line in the authority document is not being quoted.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference) →number (*Non-negative Integer*) →documentReference→contentOwner→gln (*Global Location Number*) →documentReference→creationDateTime (*dateTime*)		
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (*string*) additionalPartyIdentification→additionalPartyIdentificationType (*list*)		

5.36.2   Creation Date and Time

AS5023 Reference	Section: Detail	Group: Pricing	Element: Creation Date and Time
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentReference→creationDateTime		
Basic Type	Element		

Comments	
Schema Constraints	*Mandatory:* No
	Data Type: date
	Cardinality: 1..1
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference) →number (*Non-negative Integer*) →documentReference→contentOwner→gln (*Global Location Number*) →documentReference→unqiueCreatorIdentification (*string*)
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (*string*) additionalPartyIdentification→additionalPartyIdentificationType (*list*)

5.36.3   Content Owner

AS5023 Reference	*Section:* Detail	*Group:* Pricing	*Element:* Content Owner
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference)
	→number (*Non-negative Integer*)
	→documentReference→uniqueCreatorIdentification *(string)*
	→documentReference→creationDateTime *(dateTime)*
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner)
	additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.36.4   Pricing Document Line Number

AS5023 Reference	Section: Detail	Group: Pricing	Element: Pricing Document Line Number
Description/Comments	This identifies the specific line in the specified document used for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→number		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference)		
	→documentReference→uniqueCreatorIdentification *(string)*		
	→documentReference→contentOwner→gln *(Global Location Number)*		
	→documentReference→creationDateTime *(dateTime)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner)		
	additionalPartyIdentification→additionalPartyIdentificationValue *(string)*		
	additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

5.36.5 Unique Creator Identification

AS5023 Reference	Section: Detail	Group: Pricing	Element: Unique Creator Identification
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→ uniqueCreatorIdentification		
Basic Type	Element		
Comments	This element shall be used if a specific line in the authority document is quoted.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference) →number (*Non-negative Integer*) →documentReference→contentOwner→gln (*Global Location Number*) →documentReference→creationDateTime (*dateTime*)		
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (*string*) additionalPartyIdentification→additionalPartyIdentificationType (*list*)		

5.36.6 Creation Date and Time

AS5023 Reference	Section: Detail	Group: Pricing	Element: Creation Date and Time
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→ creationDateTime		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		

	Data Type: date
	Cardinality: 1..1
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference) →number (*Non-negative Integer*) →documentReference→contentOwner→gln *(Global Location Number)* →documentReference→unqiueCreatorIdentification *(string)*
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue *(string)* additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.36.7   Content Owner

AS5023 Reference	*Section:* Detail	*Group:* Pricing	*Element:* Content Owner
Description/Comments	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
GS1 XML Path	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference) →number (*Non-negative Integer*) →documentReference→uniqueCreatorIdentification *(string)* →documentReference→creationDateTime *(dateTime)*		

Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner)
	additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	additionalPartyIdentification→additionalPartyIdentificationType *(list)*

5.37   Allowances and Charges

AS5023 Reference	*Section:* Detail	*Group:* Allowances and Charges	*Element:* Allowances and Charges
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→allowanceCharge *(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: AllowanceChargeType		
	Cardinality: 0..*		
Co-requisites	(Relative to multiShipmentOrderLineItem)		
	→number *(Attribute, nonNegativeNumber)*		
	→requestedQuantity→value *(float)*		
	→tradeItemIdentification→gtin *(GlobalTradeItemNumberType[8])*		

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[8] This shall be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

Optional Elements	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation *(ShipmentTransportationInformationType)* →netPrice *(MultiAmountType)* →netAmount *(MultiAmountType)* →additionalOrderLineInstruction *(LongDescriptionType)* →lineItemActionCode *(OrderLineItemActionCodeListType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →shipmentDetail *(ShipmentDetailType)* →taxRate

5.37.1   Amount or Percentage

AS5023 Reference	Section: Detail	Group:		Element:
Description/Comments	Refer to Allowances and Charges			

GS1 XML Path	Choice: (relative to multiShipmentOrderLineItem→allowanceCharge→ monetaryAmountOrPercentage)
	     →amount→monetaryAmount
	     →percentage
	     →measurementValue→value
	     →ratePerUnit→allowanceOrChargeRatePerUnit			

Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: amount→monetaryAmount: Float percentage: PercentageType measurementValue→value: decimal ratePerUnit→allowanceOrChargeRatePerUnit: Non-negative Integer			
	Cardinality: 1..1			

	Cardinality of *monetaryAmountOrPercentage* is 1..* *sequenceNumber* SHALL be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules - typically GST is the last in the sequence.
	Allowable values for allowanceChargeType are: ALLOWANCE_GLOBAL CHARGE_GLOBAL CONSOLIDATED INSURANCE_CHARGE FLAT_RATE LUMP_SUM FREE_GOODS MARKUP_FOR_SMALL_VOLUME_PURCHASES FREIGHT_COSTS PACKING_CHARGES
	Allowable values for allowanceOrChargeType are: ALLOWANCE CHARGE
	Allowable values for settlementType are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER CHARGE_TO_BE_PAID_BY_VENDOR OFF_INVOICE CREDIT_CUSTOMER_ACCOUNT VENDOR_ACCRUALS ITEM_ACCRUALS VENDOR_CHECK
	Allowable values for effectiveDateType are: EFFECTIVE_DATE EXPIRATION_DATE FIRST_ARRIVAL_DATE LAST_ARRIVAL_DATE FIRST_ORDER_DATE LAST_ORDER_DATE FIRST_SHIP_DATE LAST_SHIP_DATE
Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage→amount→currencyCode→currencyISOCode *(string)* →monetaryAmountOrPercentage→measurementValue→unitOfMeasure *(Attribute, string)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)*
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType *(Attribute, EffectiveDateListType)* →monetaryAmountOrPercentage→ratePerUnit→amountPerUnit *(AmountType)* →monetaryAmountOrPercentage→ratePerUnit→percentagePerUnit *(PercentageType)* →monetaryAmountOrPercentage→ratePerUnit→measurementPerUnit *(MeasurementValueType)* →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*

5.37.2 Charge Type

AS5023 Reference	Section: Detail	Group:		Element:
Description/Comments	Refer to Allowances and Charges			
GS1 XML Path	multiShipmentOrderLineItem→allowanceCharge→allowanceChargeType			
Basic Type	Attribute			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: List			
	Cardinality: 1..1			
	sequenceNumber SHALL be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules - typically GST is the last in the sequence.			
	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 Additional values subject to the Change Request are: WAREHOUSE		ULLAGE QUANTITY DISCOUNT TRADE DISCOUNT VOLUME DISCOUNT EARLY PAYMENT SPECIAL HANDLING PALLET
	Allowable values for allowanceOrChargeType are: ALLOWANCE CHARGE			
	Allowable values for settlementType are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS		OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for effectiveDateType are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE		LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE

Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)*
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType *(Attribute, EffectiveDateListType)* →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*

5.37.3   Sequence Number

AS5023 Reference	*Section:* Detail	*Group:*		*Element:*	
Description/Comments	Refer to Allowances and Charges				
GS1 XML Path	multiShipmentOrderLineItem→allowanceCharge→ sequenceNumber				
Basic Type	Attribute				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: Non-negative Integer				
	Cardinality: 0..1				
	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS		INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES	
	Allowable values for *allowanceOrChargeType* are:	ALLOWANCE		CHARGE	
	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS		OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK	

	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)* →settlementType *(Attribute, SettlementListType)* →effectiveDateType *(Attribute, EffectiveDateListType)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →allowanceChargePriceBracket (*AllowanceChargePriceBracketType*) →baseAmount (*MonetaryAmountOrPercentageType*) →allowanceChargeDescription (*MultiDescriptionType*)		

5.37.4 Allowance or Charge

AS5023 Reference	Section: Detail	Group:	Element:
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	multiShipmentOrderLineItem→allowanceCharge→allowanceOrChargeType		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: *ALLOWANCE* *CHARGE*		
	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES

	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →settlementType *(Attribute, SettlementListType)* →effectiveDateType *(Attribute, EffectiveDateListType)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*		

5.37.5   Settlement Type

AS5023 Reference	*Section:* Detail	*Group:*	*Element:*
Description/Comments	Refer to Allowances and Charges		
GS1 XML Path	multiShipmentOrderLineItem→allowanceCharge→settlementType		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: List		
	Cardinality: 1..1		

	Allowable values for *settlementType* are: BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER	CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS	OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK
	Allowable values for *allowanceChargeType* are: ALLOWANCE_GLOBAL CHARGE_GLOBAL	CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS	INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES
	Allowable values for *allowanceOrChargeType* are: ALLOWANCE	CHARGE	
	Allowable values for *effectiveDateType* are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
Co-requisites	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage *(MonetaryAmountOrPercentageType)* →allowanceChargeType *(Attribute, AllowanceChargeListType)* →sequenceNumber *(Attribute, nonNegativeInteger)* →allowanceOrChargeType *(Attribute, AllowanceOrChargeListType)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType *(Attribute, EffectiveDateListType)* →allowanceChargePriceBracket *(AllowanceChargePriceBracketType)* →baseAmount *(MonetaryAmountOrPercentageType)* →allowanceChargeDescription *(MultiDescriptionType)*		

5.38   Shipment Detail

5.38.1   Requested Quantity

AS5023 Reference	*Section:* Detail	*Group:* Delivery Details	*Element:* Requested Quantity
Description/Comments	Pairs of delivery locations and delivery quantities		
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→requestedQuantity→value		
Basic Type	Element		

Comments	*ShipmentDetail* is a complex type which incorporates elements already defined at the line or header level.
Schema Constraints	*Mandatory:* No
	Data Type: float
	Cardinality: 1..1
	Cardinality of *shipmentDetail* is 0..*
Co-requisites	(Relative to multiShipmentOrderLineItem) →number *(Attribute, nonNegativeInteger)* →tradeItemIdentification *(TradeItemIdentificationType)* →requestedQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentDetail) →ultimateConsignee *(PartyidentificationType)* →orderLogisticalDateGroup *(OrderLogisticalDateGroupType)* →shipmentTransportationInformation *(ShipmentTransportationInformationType)*

5.38.2   Ship To

AS5023 Reference	*Section:* Detail	*Group:* Delivery Details	*Element:* Ship To
Description/Comments	Pairs of delivery locations and delivery quantities		
GS1 XML Path	to multiShipmentOrderLineItem→shipmentDetail→shipTo→gln		
Basic Type	Element		
Comments	*ShipmentDetail* is a complex type which incorporates elements already defined at the line or header level.		
Schema Constraints	*Mandatory:* No		
	Data Type: Global Location Number		
	Cardinality: 1..1		
	Cardinality of *shipmentDetail* is 0..*		

Co-requisites	(Relative to multiShipmentOrderLineItem)
	→number *(Attribute, nonNegativeInteger)*
	→tradeItemIdentification *(TradeItemIdentificationType)*
	→requestedQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentDetail)
	→ultimateConsignee *(PartyidentificationType)*
	→orderLogisticalDateGroup *(OrderLogisticalDateGroupType)*
	→shipmentTransportationInformation *(ShipmentTransportationInformationType)*

5.38.3 Delivery Date Requested

AS5023 Reference	*Section:* Detail		*Group:* Delivery Details		*Element:* Date requested
Description/Comments					
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDate→date				
Basic Type	Element				
Comments	This is one of the Choices in the *orderLogisticalDateGroup*. The choices are:				
	→requestedDeliveryDateAtUltimateConsignee				
	→requestedDeliveryDate				
	→requestedShipDate				
	→requestedPickUpDate				
	→requestedDeliveryDateRangeAtUltimateConsignee				
	→requestedShipDateRange				
	→requestedDeliveryDateRange				
Schema Constraints	*Mandatory:* No				
	Data Type: date				
	Cardinality: 1..1				
	Cardinality of *orderLogisticalDateGroup* is 0..1				
	Cardinality of *shipmentDetail* is 0..*				

Co-requisites	None
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup) →requestedDeliveryDate→time *(time)*

5.38.4   Delivery Latest Delivery

AS5023 Reference	*Section:* Detail	*Group:* Delivery Details	*Element:* Deliver not after date
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate		
Basic Type	Element		

Comments	This is one of the Choices in the *orderLogisticalDateGroup*. The choices are:
	    →requestedDeliveryDateAtUltimateConsignee
	    →requestedDeliveryDate
	    →requestedShipDate
	    →requestedPickUpDate
	    →requestedDeliveryDateRangeAtUltimateConsignee
	    →requestedShipDateRange
	    →requestedDeliveryDateRange		

Schema Constraints	*Mandatory:* No		
	Data Type: date		
	Cardinality: 1..1		
	Cardinality of *orderLogisticalDateGroup* is 0..1 Cardinality of *shipmentDetail* is 0..*		
Co-requisites	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate *(date)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedShipDateRange) →latestTime *(time)* →earliestTime *(time)*		

5.38.5 Earliest Delivery

AS5023 Reference	Section: Detail	Group: Delivery Details	Element: Deliver not after date
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate		
Basic Type	Element		
Comments	This is one of the Choices in the *orderLogisticalDateGroup*. The choices are: →requestedDeliveryDateAtUltimateConsignee →requestedDeliveryDate →requestedShipDate →requestedPickUpDate →requestedDeliveryDateRangeAtUltimateConsignee →requestedShipDateRange →requestedDeliveryDateRange		
Schema Constraints	Mandatory: No		
	Data Type: date		
	Cardinality: 1..1		
	Cardinality of *orderLogisticalDateGroup* is 0..1 Cardinality of *shipmentDetail* is 0..*		
Co-requisites	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate *(date)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedShipDateRange) →latestTime *(time)* →earliestTime *(time)*		

5.38.6 Ultimate Customer Address

AS5023 Reference	Section: Detail	Group: Ultimate Customer Details	Element: Ultimate customer address
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→ultimateConsignee→gln		
Basic Type	Element		
Comments	The mandatory field Global Location Number will also identify the name of the ultimate customer.		
Schema Constraints	Mandatory: No		
	Data Type: Global Location Number		
	Cardinality: 1..1		
	Cardinality of *ultimateConsignee* is 0..1 Cardinality of *shipmentDetail* is 0..*		
Co-requisites	(Relative to multiShipmentOrderLineItem→shipmentDetail) →requestedQuantity *(QuantityType)*		
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentDetail) → ultimateConsignee→additionalPartyIdentification *(AdditionalPartyIdentificationType)* →shipTo *(PartyIdentificationType)* →orderLogisticalDateGroup *(OrderLogisticalDateGroupType)* →shipmentTransportationInformation *(ShipmentTransportationInformationType)*		

5.38.7 Ultimate Customer Name

AS5023 Reference	Section: Detail	Group: Ultimate Customer Details	Element: Ultimate customer name
Description/Comments			
GS1 XML Path	multiShipmentOrderLineItem→shipmentDetail→ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationValue		
Basic Type	Element		
Comments	The mandatory field Global Location Number will also identify the address of the ultimate customer.		

Schema Constraints	Mandatory: No
	Data Type: string
	Cardinality: 1..1
	Cardinality of *ultimateConsignee* is 0..1 Cardinality of *shipmentDetail* is 0..*
Co-requisites	(Relative to multiShipmentOrderLineItem→shipmentDetail) →ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* →ultimateConsignee→gln *(GlobalLocationNumberType)* →requestedQuantity *(QuantityType)*
Optional Elements	(Relative to multiShipmentOrderLineItem→shipmentDetail) →shipTo *(PartyIdentificationType)* →orderLogisticalDateGroup *(OrderLogisticalDateGroupType)* →shipmentTransportationInformation *(ShipmentTransportationInformationType)*

5.39 Total GST

AS5023 Reference	Section: End of Message	Group: Summary	Element: Total GST
Description/Comments			
GS1 XML Path	totalTaxMonetaryAmountOfOrder→monetaryAmount		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 1..1		
	Cardinality of *totalTaxMonetaryAmountOfOrder* is 0..1		
Co-requisites	totalTaxMonetaryAmountOfOrder→curencyCode→ currencyISOCode *(string)*		
Optional Elements	None		

5.40 Total Order Amount

AS5023 Reference	Section: End of Message	Group: Summary	Element: Total Amount (ex GST)
Description/Comments			
GS1 XML Path	totalMonetaryAmountOfOrder→monetaryAmount		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 1..1		
	Cardinality of *totalMonetaryAmountOfOrder* is 0..1		
Co-requisites	totalMonetaryAmountOfOrder→curencyCode→ currencyISOCode *(string)*		
Optional Elements	None		

5.41 Currency

AS5023 Reference	Section: End of Message	Group: Summary	Element: Currency
Description/Comments	The entire order SHALL be in the same currency.		
GS1 XML Path	totalMonetaryAmountOfOrder→currencyCode→currencyISOCode		
Basic Type	Element		
Comments	ISO Currency codes are located at: http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm		
Schema Constraints	Mandatory: No		
	Data Type: string		

	Cardinality: 1..1
	Cardinality of totalMonetaryAmountOfOrder is 0..1
Co-requisites	totalMonetaryAmountOfOrder→monetaryAmount *(float)*
Optional Elements	None

5.42   Quote Number

AS5023 Reference	Section: End of Message	Group: Summary		Element:
Description/Comments	This is a reference number relating to a supplied quote that the purchase order is based on.			
GS1 XML Path	quoteNumber→tradeAgreementReferenceNumber			
Basic Type	Element			
Comments	For *"Loan & Consignment"* order this is a reference number for a quotation relevant to the Purchase Order. *(Please note the quote number has been included for items that may have not been put on contract yet.)*			
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 0..1			
Co-requisites				
Optional Elements	quoteNumber→tradeAgreementReferenceDate			

6 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
        multiShipmentOrder
            multiShipmentOrder:creationDateTime (attribute)
            multiShipmentOrder:documentStatus (attribute)
            orderIdentificationType
                uniqueCreatorIdentification
                contentOwner
                    gln
            orderPartyInformation
                seller
                    gln
                buyer
                    gln
            orderLogisticalInformation
                shipToLogistics
                    shipTo
                        gln⁹
                orderLogisticalDateGroup
                    requestedDeliveryDate
                        date¹⁰
            multiShipmentOrderLineItem
              multiShipmentOrderLineItem:number (attribute)
                tradeItemIdentification
                    gtin
                requestedQuantity
                    value
```

---

[9] GLN is taken as a typical case in this complex element. GLN is one of several choices that may be used, but only one of these choices may be used.

[10] date is taken as a typical case in this complex element. date is one of several choices that may be used, but only one of these choices may be used.

netPrice
    amount
        monetaryAmount
netAmount
    amount
        monetaryAmount

7   ORDER Message sample

This section provides an example of what a Purchase Order 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 **7/01/2013 at 10 am**, the Buyer (**9300000000019**) sent the Supplier (**9311111111112**) a **Purchase Order**,

the Purchase Order was numbered (**PO0001**) and requested delivery of the goods on the **21/01/2013**.

All items have a primary "ship to" location (**9300000000026**) . For example : An Order to be delivered to a Hospital.

The Purchase Order was for 3 items :-

Item 1 (**00000093333306**)

Total Quantity : **20**

Value   : **$ 1.10 each**

Total amount : **$ 22.00**

To be delivered as :-

10 to Location (**9300000000033**)

10 to Location (**9300000000040**)

Item 2   (**09333333333318**)

Total Quantity : **40**

Value   : **$ 2.20 each**

Total amount : **$ 88.00**

To be delivered as :-

20 to Location (**9300000000033**)

20 to Location (**9300000000040**)

Item 3   (**19333333333322**)

Total Quantity : **50**

Value   : **$ 5.50 each**

Total amount : **$275.00**

To be delivered as :-

50 to Location (**9300000000033**)

MULTI SHIPMENT PURCHASE ORDER

```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:order="urn:ean.ucc:order: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/MultiShipmentOrderProxy.xsd">
      <sh:StandardBusinessDocumentHeader>
            <sh:HeaderVersion>1.0</sh:HeaderVersion>
            <sh:Sender>
                  <sh:Identifier Authority="EAN.UCC">9300000000019</sh:Identifier>
            </sh:Sender>
            <sh:Receiver>
                  <sh:Identifier Authority="EAN.UCC">9311111111112</sh:Identifier>
            </sh:Receiver>
            <sh:DocumentIdentification>
                  <sh:Standard>EAN.UCC</sh:Standard>
                  <sh:TypeVersion>2.6</sh:TypeVersion>
                  <sh:InstanceIdentifier>100001</sh:InstanceIdentifier>
                  <sh:Type>MultiShipmentOrder</sh:Type>
                  <sh:MultipleType>false</sh:MultipleType>
                  <sh:CreationDateAndTime>2013-01-07T10:00:00.000</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>PO0001</uniqueCreatorIdentification>
        <contentOwner>
            <gln>9300000000019</gln>
        </contentOwner>
    </entityIdentification>
    <eanucc:transaction>
        <entityIdentification>
            <uniqueCreatorIdentification>TRA-PO0001</uniqueCreatorIdentification>
            <contentOwner>
                <gln>9300000000019</gln>
            </contentOwner>
        </entityIdentification>
        <command>
            <eanucc:documentCommand>
                <documentCommandHeader type="ADD">
                    <entityIdentification>
                        <uniqueCreatorIdentification>CMD-PO0001</uniqueCreatorIdentification>
                        <contentOwner>
                            <gln>9300000000019</gln>
                        </contentOwner>
                    </entityIdentification>
```

```
                        </documentCommandHeader>
                        <documentCommandOperand>
                            <order:multiShipmentOrder creationDateTime="2013-01-07T10:00:00.000"
documentStatus="ORIGINAL">
                                <contentVersion>
                                    <versionIdentification>2.6</versionIdentification>
                                </contentVersion>
                                <documentStructureVersion>
                                    <versionIdentification>2.6</versionIdentification>
                                </documentStructureVersion>
                                <orderIdentification>
                                    <uniqueCreatorIdentification>PO0001</uniqueCreatorIdentification>
                                    <contentOwner>
                                        <gln>9300000000019</gln>
                                    </contentOwner>
                                </orderIdentification>
                                <orderPartyInformation>
                                    <seller>
                                        <gln>9311111111112</gln>
                                    </seller>
                                    <buyer>
                                        <gln>9300000000019</gln>
                                    </buyer>
                                </orderPartyInformation>
                                <orderLogisticalInformation>
                                    <shipToLogistics>
                                        <shipTo>
```

```
                                <gln>9300000000026</gln>
                            </shipTo>
                        </shipToLogistics>
                        <orderLogisticalDateGroup>
                            <requestedDeliveryDate>
                                <date>2013-01-21</date>
                            </requestedDeliveryDate>
                        </orderLogisticalDateGroup>
                    </orderLogisticalInformation>
                    <multiShipmentOrderLineItem number="1">
                        <requestedQuantity>
                            <value>20.00</value>
                        </requestedQuantity>
                        <netPrice>
                            <amount>
                                <currencyCode>
                                    <currencyISOCode>AUD</currencyISOCode>
                                </currencyCode>
                                <monetaryAmount>1.10</monetaryAmount>
                            </amount>
                        </netPrice>
                        <netAmount>
                            <amount>
                                <currencyCode>
                                    <currencyISOCode>AUD</currencyISOCode>
                                </currencyCode>
                                <monetaryAmount>22.00</monetaryAmount>
```

```
                            </amount>
                    </netAmount>
                    <tradeItemIdentification>
                            <gtin>00000093333306</gtin>
                    </tradeItemIdentification>
                    <shipmentDetail>
                            <requestedQuantity>
                                    <value>10.00</value>
                            </requestedQuantity><ultimateConsignee>
                                    <gln>9300000000033</gln>
                            </ultimateConsignee>
                    </shipmentDetail>
                    <shipmentDetail>
                            <requestedQuantity>
                                    <value>10.00</value>
                            </requestedQuantity><ultimateConsignee>
                                    <gln>9300000000040</gln>
                            </ultimateConsignee>
                    </shipmentDetail>
            </multiShipmentOrderLineItem>
            <multiShipmentOrderLineItem number="2">
                    <requestedQuantity>
                            <value>40.00</value>
                    </requestedQuantity>
                    <netPrice>
                            <amount>
                                    <currencyCode>
```

```
                    <currencyISOCode>AUD</currencyISOCode>
                </currencyCode>
                <monetaryAmount>2.20</monetaryAmount>
            </amount>
        </netPrice>
        <netAmount>
            <amount>
                <currencyCode>
                    <currencyISOCode>AUD</currencyISOCode>
                </currencyCode>
                <monetaryAmount>88.00</monetaryAmount>
            </amount>
        </netAmount>
        <tradeItemIdentification>
            <gtin>09333333333318</gtin>
        </tradeItemIdentification>
        <shipmentDetail>
            <requestedQuantity>
                <value>20.00</value>
            </requestedQuantity><ultimateConsignee>
                <gln>9300000000033</gln>
            </ultimateConsignee>
        </shipmentDetail>
        <shipmentDetail>
            <requestedQuantity>
                <value>20.00</value>
            </requestedQuantity><ultimateConsignee>
```

```
                    <gln>9300000000040</gln>
                </ultimateConsignee>
            </shipmentDetail>
        </multiShipmentOrderLineItem>
        <multiShipmentOrderLineItem number="3">
            <requestedQuantity>
                <value>50.00</value>
            </requestedQuantity>
            <netPrice>
                <amount>
                    <currencyCode>
                        <currencyISOCode>AUD</currencyISOCode>
                    </currencyCode>
                    <monetaryAmount>5.50</monetaryAmount>
                </amount>
            </netPrice>
            <netAmount>
                <amount>
                    <currencyCode>
                        <currencyISOCode>AUD</currencyISOCode>
                    </currencyCode>
                    <monetaryAmount>275.00</monetaryAmount>
                </amount>
            </netAmount>
            <tradeItemIdentification>
                <gtin>19333333333322</gtin>
            </tradeItemIdentification>
```

```
                        <shipmentDetail>
                            <requestedQuantity>
                                <value>50.00</value>
                            </requestedQuantity>
                            <ultimateConsignee>
                                <gln>9300000000033</gln>
                            </ultimateConsignee>
                        </shipmentDetail>
                    </multiShipmentOrderLineItem>
                </order:multiShipmentOrder>
            </documentCommandOperand>
        </eanucc:documentCommand>
    </command>
</eanucc:transaction>
</eanucc:message>
</sh:StandardBusinessDocument>
```

8   ORDER CHANGE Message sample

This section provides an example of what a Purchase Order 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

The Original Purchase Order

On **7/01/2013 at 10 am**, the Buyer (**9300000000019**) sent the Supplier (**9311111111112**) a **Purchase Order**,

the Purchase Order was numbered (**PO0001**) and requested delivery of the goods on the **21/01/2013**.

The Purchase Order Response (**Please refer to the Purchase Order Response Document – Page 110, Section 6.2 Order Response Message sample 2**

Then on **8/01/2013 at 10 am**, the Supplier (**9311111111112**) sent a **Purchase Order Response** numbered (**POR0001**) to the Buyer (**9300000000019**) in reply to the Buyers Original Purchase Order numbered (**PO0001**). The Purchase Order was sent on the **7/01/2013 at 10 am.**

The Supplier advised the Buyer that they could only supply **20** of Item (**09333333333318)** and not the 40 that was requested.

The Purchase Order Change

On **9/01/2013 at 10 am**, the Buyer (**9300000000019**) as a result of receiving the Purchase Order Response, from the Supplier **9311111111112**) sent a **Purchase Order Change**, amending the original order.

The Purchase Order Change now shows Line item 2 (**09333333333318)** as **20 units** and the adjusted breakup per delivery location.

PURCHASE ORDER CHANGE

```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:order="urn:ean.ucc:order: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/MultiShipmentOrderProxy.xsd">
    <sh:StandardBusinessDocumentHeader>
        <sh:HeaderVersion>1.0</sh:HeaderVersion>
        <sh:Sender>
            <sh:Identifier Authority="EAN.UCC">9300000000019</sh:Identifier>
        </sh:Sender>
        <sh:Receiver>
            <sh:Identifier Authority="EAN.UCC">9311111111112</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>MultiShipmentOrder</sh:Type>
            <sh:MultipleType>false</sh:MultipleType>
            <sh:CreationDateAndTime>2013-01-09T10:00:00.000</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>PO0001</uniqueCreatorIdentification>
                        <contentOwner>
                                <gln>9300000000019</gln>
                        </contentOwner>
                </entityIdentification>
                <eanucc:transaction>
                        <entityIdentification>
                                <uniqueCreatorIdentification>TRA-PO0001</uniqueCreatorIdentification>
                                <contentOwner>
                                        <gln>9300000000019</gln>
                                </contentOwner>
                        </entityIdentification>
                        <command>
                                <eanucc:documentCommand>
                                        <documentCommandHeader type="CHANGE_BY_REFRESH">
                                                <entityIdentification>
                                                        <uniqueCreatorIdentification>CMD-PO0001</uniqueCreatorIdentification>
                                                        <contentOwner>
                                                                <gln>9300000000019</gln>
                                                        </contentOwner>
                                                </entityIdentification>
                                        </documentCommandHeader>
```

```xml
<documentCommandOperand>
    <order:multiShipmentOrder creationDateTime="2013-01-09T10:00:00.000" documentStatus="REPLACE">
        <contentVersion>
            <versionIdentification>2.6</versionIdentification>
        </contentVersion>
        <documentStructureVersion>
            <versionIdentification>2.6</versionIdentification>
        </documentStructureVersion>
        <orderIdentification>
            <uniqueCreatorIdentification>PO0001</uniqueCreatorIdentification>
            <contentOwner>
                <gln>9300000000019</gln>
            </contentOwner>
        </orderIdentification>
        <orderPartyInformation>
            <seller>
                <gln>9311111111112</gln>
            </seller>
            <buyer>
                <gln>9300000000019</gln>
            </buyer>
        </orderPartyInformation>
        <orderLogisticalInformation>
            <shipToLogistics>
                <shipTo>
                    <gln>9300000000026</gln>
```

```
                    </shipTo>
                </shipToLogistics>
                <orderLogisticalDateGroup>
                    <requestedDeliveryDate>
                        <date>2013-01-21</date>
                    </requestedDeliveryDate>
                </orderLogisticalDateGroup>
            </orderLogisticalInformation>
            <multiShipmentOrderLineItem number="2">
                <requestedQuantity>
                    <value>20.00</value>
                </requestedQuantity>
                <netPrice>
                    <amount>
                        <currencyCode>
                            <currencyISOCode>AUD</currencyISOCode>
                        </currencyCode>
                        <monetaryAmount>2.20</monetaryAmount>
                    </amount>
                </netPrice>
                <netAmount>
                    <amount>
                        <currencyCode>
                            <currencyISOCode>AUD</currencyISOCode>
                        </currencyCode>
                        <monetaryAmount>44.00</monetaryAmount>
                    </amount>
```

```
                    </netAmount>
                    <tradeItemIdentification>
                            <gtin>09333333333318</gtin>
                    </tradeItemIdentification>
                    <lineItemActionCode>CHANGED</lineItemActionCode>
                    <shipmentDetail>
                            <requestedQuantity>
                                    <value>10.00</value>
                            </requestedQuantity><ultimateConsignee>
                                    <gln>9300000000033</gln>
                            </ultimateConsignee>
                    </shipmentDetail>
                    <shipmentDetail>
                            <requestedQuantity>
                                    <value>10.00</value>
                            </requestedQuantity><ultimateConsignee>
                                    <gln>9300000000040</gln>
                            </ultimateConsignee>
                    </shipmentDetail>
                </multiShipmentOrderLineItem>
            </order:multiShipmentOrder>
        </documentCommandOperand>
      </eanucc:documentCommand>
    </command>
  </eanucc:transaction>
 </eanucc:message>
</sh:StandardBusinessDocument>
```

9   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) Multi Shipment Order, BMS Release: 2.6, GS1.

NEHTA 2007, E-Procurement Technical Architecture; Version 1.0, NEHTA