



NEHTA Standard Message Implementation Guidelines for Health eProcurement

Part 1: GS1 XML Multi Shipment Order Messages

Version 1.5 - 11/06/2010

Final

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Version Control

Version	Nature of Change/Comments
1.5	<p>NEHTA Standard Message Implementation Guidelines for Health e-Procurement updated to support Version 2.6 of the GS1 XML standards.</p> <p>Version 1.0 of the NEHTA Standard Message Implementation Guidelines based on Version 2.4 of the GS1 XML standards.</p> <p>Principal version 1.5 changes:</p> <ul style="list-style-type: none"> ▪ new element totalTaxMonetaryAmountOfOrder (refer Total GST) ▪ new attribute taxRate associated with element multiShipmentLineItem ▪ new attributes buyerCompanyRegistrationNumber and sellerCompanyRegistrationNumber associated with element orderPartyInformation ▪ new codes added to allowanceChargeType <ul style="list-style-type: none"> WAREHOUSE_AMOUNT ULLAGE_AMOUNT QUANTITY_DISCOUNT TRADE_DISCOUNT VOLUME_DISCOUNT EARLY_PAYMENT PALLET_CHARGE FUEL_CHARGE SPECIAL_HANDLING SORTING ▪ all elements that can be used have now been incorporated into this document.

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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.
 - **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.
 - **Group:** The title in the first column of the AS5023 table.
 - **Element:** The Element name as given in the third column of the AS5023 table.
- **Description/Comment** – This is a transcription of parts of the Description and Comments columns from the AS5023 table where they help clarify the intent of the data element.

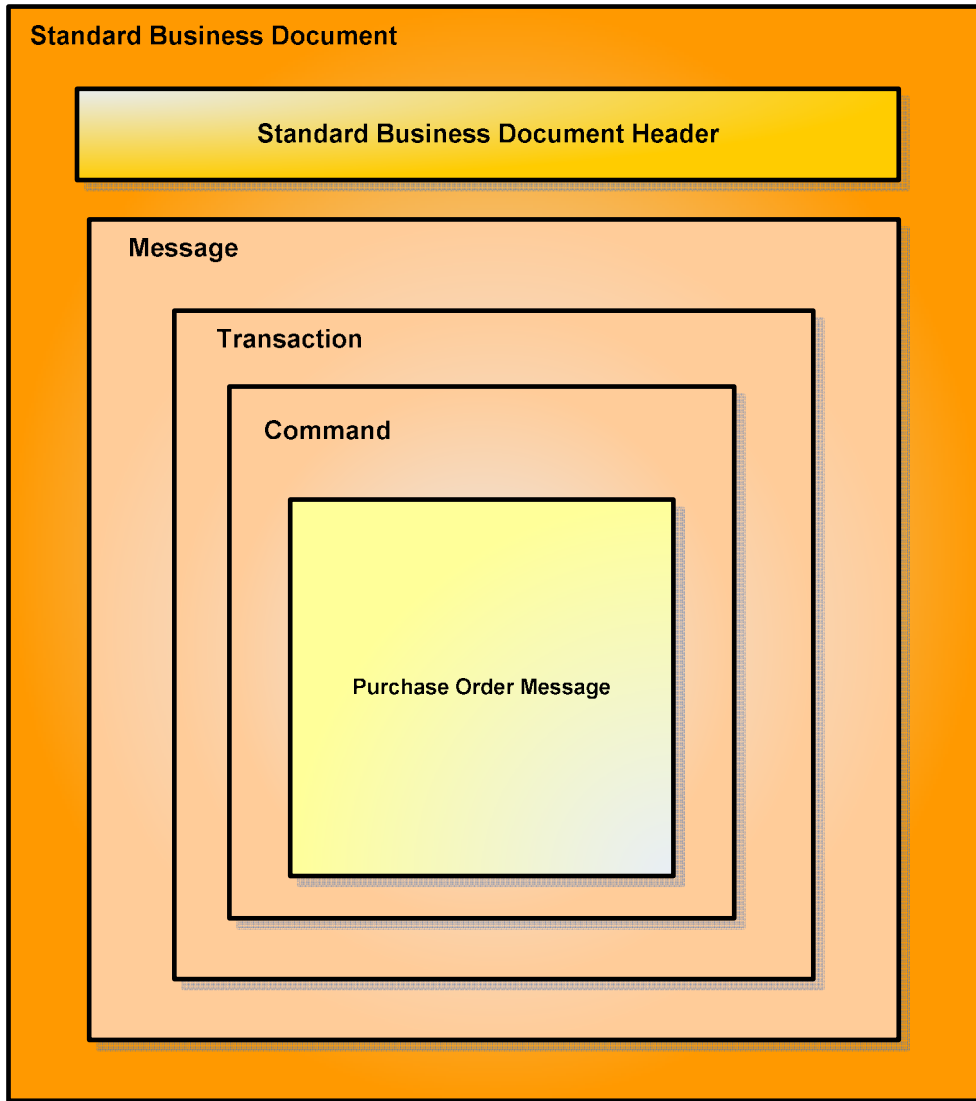
- **GS1 XML path** – Is pseudo XPath that will assist in locating the element within the XML tree. Prefixes etc. are specifically excluded for the sake of simplification.
- **Basic Type** – ‘Attribute’, ‘Element’, or ‘Complex Type’. If it is a Complex Type, then typically there will be a subsection following 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.
 - **Mandatory** An item can be mandatory based on external GS1 or NEHTA rules in addition to the schema rules.
 - **Data Type** Where possible, this is the simple XML data type. In some cases, it is the Complex Type with further details of the component attributes and elements provided in other sections of the document.
 - **Cardinality** The cardinality of the specific element. Note that the cardinality of parent elements also influences how the element is used.
 - **Other constraints** are listed following the Cardinality restraint. For example, the allowable values of a list element.
- **Co-requisites** – This is other elements and attributes which SHALL be used if this element is used. The data type is listed after the name of the element/attribute.
- **Optional Elements** – Other data elements and attributes which MAY be used if this element is used. The data type is listed after the name of the element/attribute.

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



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 (<i>Partner</i>) StandardBusinessDocumentHeader→Receiver (<i>Partner</i>) StandardBusinessDocumentHeader→DocumentIdentification (<i>DocumentIdentification</i>) StandardBusinessDocumentHeader→BusinessScope (<i>BusinessScope</i>)		
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..*		
	<p>Only <u>one</u> Sender element can be used even though the schema allows for multiple elements.</p> <p>The Sender Identifier <u>SHALL</u> be the GLN of the sending organisation.</p> <p>The optional <i>ContactInformation</i> 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.</p>		
Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender) →Identifier→Authority (<i>Attribute - string</i>) →ContactInformation→Contact (<i>string</i>) →ContactInformation→EmailAddress (<i>string</i>) →ContactInformation→FaxNumber (<i>string</i>) →ContactInformation→TelephoneNumber (<i>string</i>)		
Optional Elements	(Relative to StandardBusinessDocumentHeader→Sender) →ContactInformation→ContactTypeIdentifier (<i>string</i>)		

3.3 Authority

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→Identifier→Authority		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	This attribute SHALL be used according to GS1 standards.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	SHALL be set to 'EAN.UCC'		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	None		

3.4 Sender Name

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

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

3.5 Sender Email Address

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→ EmailAddress		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	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).		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
<i>Optional Elements</i>	→ContactTypeIdentifier (<i>string</i>)		

3.6 Sender Fax Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→ FaxNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	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.		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (string) →EmailAddress (string) →TelephoneNumber (string)		
<i>Optional Elements</i>	→ContactTypeIdentifier (string)		

3.7 Sender Phone Number

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Sender→ContactInformation→ TelephoneNumber		
<i>Basic Type</i>	Element		
<i>Comments</i>	Optional in UN/CEFACT schema definition.		
<i>Schema Constraints</i>	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..*		
	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.		

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

3.9 Authority

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→Identifier→Authority		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	This attribute SHALL be used according to GS1 standards.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	SHALL be set to 'EAN.UCC'		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	None		

3.10 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 (<i>string</i>) →FaxNumber (<i>string</i>) →TelephoneNumber (<i>string</i>)		
Optional Elements	→ContactTypeIdentifier (<i>string</i>)		

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 (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)
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 (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)		

Optional Elements	None
-------------------	------

3.16 Message Document Identification

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	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 (<i>string</i>) →TypeVersion (<i>string</i>) →Type (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)		
Optional Elements	None		

3.17 Message Document Type

AS5023 Reference	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 (<i>string</i>) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →MultipleType (<i>boolean</i>) →CreationDateAndTime (<i>dateTime</i>)		
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 (<i>string</i>) →TypeVersion (<i>string</i>) →InstanceIdentifier (<i>string</i>) →Type (<i>string</i>) →CreationDateAndTime (<i>dateTime</i>)
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.		

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

3.20 Business Scope Type

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

3.21 Business Scope Identifier

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

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

3.22 <any>

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	<any>		
<i>Basic Type</i>			
<i>Comments</i>	This is the place holder for the GS1 XML constructs. It SHALL be replaced by the ‘message’ element from the Message Layer group of schema.		
<i>Schema Constraints</i>	<i>Mandatory:</i>		
	<i>Data Type:</i>		
	<i>Cardinality:</i>		
	SHALL be replaced with ‘message’. See the Message Layer section.		
<i>Co-requisites</i>	StandardBusinessDocumentHeader		
<i>Optional Elements</i>	None		

4 Message Layer Elements

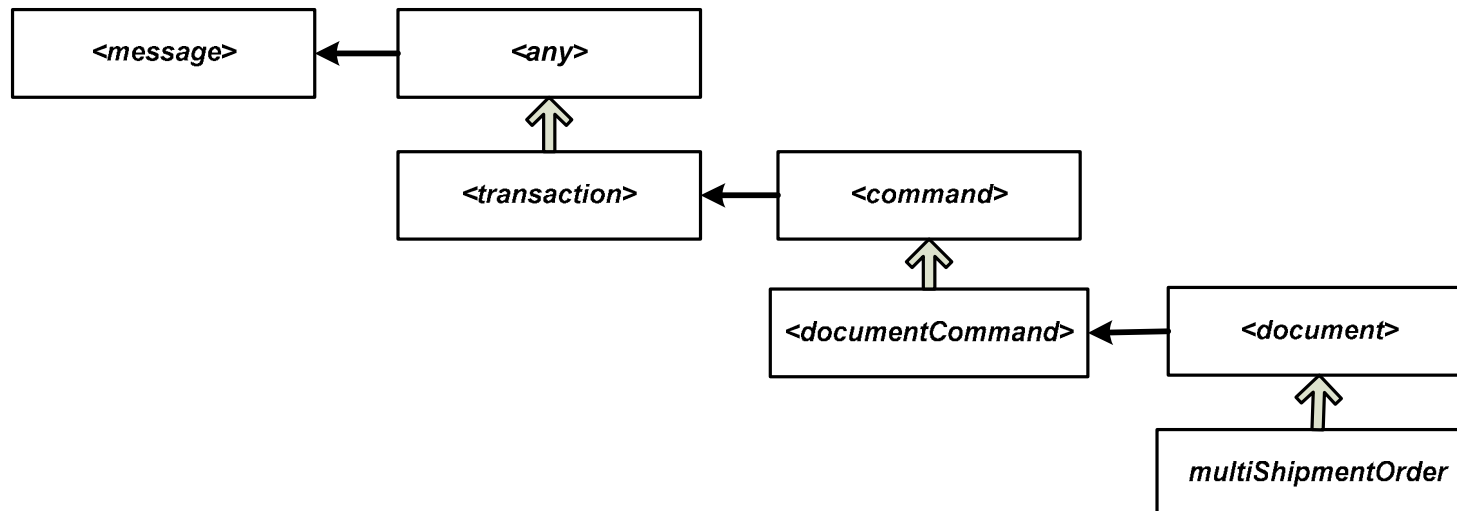
In this section, the GS1 XML path root is:

StandardBusinessDocument→message

(XPath: StandardBusinessDocument / eanucc:message)

All XML paths 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 (<i>EntityIdentificationType</i>)		
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 <i>uniqueCreatorIdentification</i> element in the <i>multiShipmentOrder</i> 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 (<i>Global Location Number</i>)
Optional Elements	(Relative to entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

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 (<i>Global Location Number</i>)		
Optional Elements	(Relative to entityIdentification→contentOwner) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

4.2 Transaction

4.2.1 Transaction: Command

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

4.2.2 Transaction: Identifier

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

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

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 (<i>Global Location Number</i>)		
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

4.3 Document Command

4.3.1 Document Command element

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

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.		

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

4.3.4 Document Command: Identifier

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

4.3.5 Document Command: Owner

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

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Opening</i>	<i>Element: Message Function</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	documentStatus		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: Yes</i>		
	<i>Data Type: List</i>		
	<i>Cardinality: 1..1</i>		
	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)		
	Data Type: date		
	Cardinality: 0..1		
	This attribute SHALL be used if the <i>documentStatus</i> = 'REPLACE'		
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

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

5.4 Order Number

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

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

5.5 Document Owner

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Order Number – Required by GS1		

<i>GS1 XML Path</i>	orderIdentification→contentOwner→gln
<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> Global Location Number
	<i>Cardinality:</i> 1..1
	SHALL be the GLN of the department/organisation that created the order.
<i>Co-requisites</i>	orderIdentification→uniqueCreatorIdentification (<i>string</i>)
<i>Optional Elements</i>	(Relative to orderIdentification→contentOwner→additionalPartyIdentification)
	→additionalPartyIdentificationValue (<i>string</i>)
	→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>)

5.6 Buyer

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Buyer
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderPartyInformation→buyer→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>	Part of complex type <i>OrderPartyInformationType</i> which covers buyer and seller details.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	orderPartyInformation→seller→gln (<i>Global Location Number</i>)		
	orderPartyInformation→buyerCompanyRegistrationNumber (<i>ABN Number</i>)		
	orderPartyInformation→sellerCompanyRegistrationNumber (<i>ABN Number</i>)		

<i>Optional Elements</i>	(Relative to orderPartyInformation) →buyer→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →buyer→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →seller→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →seller→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →billTo (<i>PartyIdentificationType</i>) →orderContact (<i>ContactType</i>) →goodsRequirementsPlanner (<i>ContactType</i>)
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5.7 Buyer ABN

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

5.8 Supplier

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

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			

<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> string
	<i>Cardinality:</i> 0..1
<i>Co-requisites</i>	
<i>Optional Elements</i>	

5.10 Bill To

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Bill to
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderPartyInformation→billTo→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>	Part of complex type <i>OrderPartyInformationType</i> which covers buyer and seller details.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to orderPartyInformation) →seller (<i>PartyIdentificationType</i>) →buyer (<i>PartyIdentificationType</i>) orderPartyInformation→buyerCompanyRegistrationNumber (<i>ABN Number</i>) orderPartyInformation→sellerCompanyRegistrationNumber (<i>ABN Number</i>)		

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

<i>AS5023 Reference</i>	Section: Header	Group: Contact Information	Element: Buyer Contact name
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderPartyInformation→orderContact→personOrDepartmentName→description→text		
<i>Basic Type</i>	Element		
<i>Comments</i>	Part of complex type <i>ContactType</i> which holds all information relating to a contact person or point.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of orderContact is 0..1 Cardinality of description is 1..*		
<i>Co-requisites</i>	(Relative to orderPartyInformation) orderPartyInformation→buyerCompanyRegistrationNumber (<i>ABN Number</i>) orderPartyInformation→sellerCompanyRegistrationNumber (<i>ABN Number</i>) →orderContact→personOrDepartmentName→description→language→languageISOCODE →seller (PartyIdentificationType) →buyer (PartyIdentificationType)		

<i>Optional Elements</i>	(Relative to orderPartyInformation) →orderContact→communicationChannel→communicationChannelCode →orderContact→communicationChannel→communicationNumber →billTo (PartyIdentificationType) →goodsRequirementsPlanner (ContactType)
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5.11.2 Language

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

5.11.3 Buyer Contact Phone

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Contact information	<i>Element:</i> Buyer Contact Phone
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderPartyInformation→orderContact→communicationChannel→communicationNumber		
<i>Basic Type</i>	Attribute		

Comments	Part of complex type <i>ContactType</i> 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 <i>communicationsChannel</i> is 0..*
Co-requisites	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode (<i>CommunicationChannelCodeListType</i>) →personOrDepartmentName (<i>MultiDescriptionType</i>)
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 <i>ContactType</i> 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 <i>communicationsChannel</i> is 0..*		

<i>Co-requisites</i>	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode (<i>CommunicationChannelCodeListType</i>) →personOrDepartmentName (<i>MultiDescriptionType</i>)
<i>Optional Elements</i>	None

5.11.5 Buyer Contact Email

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Contact information	<i>Element:</i> Buyer Contact Email
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderPartyInformation→orderContact→communicationChannel→communicationNumber		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	Part of complex type <i>ContactType</i> 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		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	communicationChannelCode SHALL also be set to 'EMAIL' Cardinality of <i>communicationsChannel</i> is 0..*		
<i>Co-requisites</i>	(Relative to orderPartyInformation→orderContact) →communicationChannel→communicationChannelCode (<i>CommunicationChannelCodeListType</i>) →personOrDepartmentName (<i>MultiDescriptionType</i>)		
<i>Optional Elements</i>	None		

5.11.6 Communications Channel

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

5.12 Order Logistical Information

5.12.1 Ship To

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Ship to location
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderLogisticalInformation→shipToLogistics→shipTo→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>	Part of complex type <i>orderLogisticalInformationType</i> that covers a wide range of shipping/delivery dates and details.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes, conditionally. It is part of a group of two elements where one and only one SHALL be present.		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 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.
<i>Co-requisites</i>	<p>One of the seven elements from the orderLogisticalDateGroup choice group: (Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDate (<i>Complex Type: LogisticalDateType</i>) →requestedShipDate (<i>Complex Type: LogisticalDateType</i>) →requestedPickUpDate (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDateRangeAtUltimateConsignee (<i>Complex Type: LogisticalDateRangeType</i>) →requestedShipDateRange (<i>Complex Type: LogisticalDateRangeType</i>) →requestedDeliveryDateRange (<i>Complex Type: LogisticalDateRangeType</i>)
<i>Optional Elements</i>	<p>(Relative to orderLogisticalInformation→shipToLogistics)</p> <ul style="list-style-type: none"> →inventoryLocation (<i>PartyIdentificationType</i>) →ultimateConsignee (<i>PartyIdentificationType</i>) →shipmentTransportationInformation→carrier (<i>PartyIdentificationType</i>) →shipmentTransportationInformation→serviceLevelCode (<i>ServiceLevelCodeListType</i>) →shipmentTransportationInformation→shipmentSpecialHandlingCode (<i>ShipmentSpecialHandlingCodeListType</i>) →shipmentTransportationInformation→transportationMethodType (<i>Attribute TransportationMethodTypeCodeListType</i>)

5.12.2 Transport and Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Transport and Delivery	<i>Element:</i> Details
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation		
<i>Basic Type</i>	Element		
<i>Comments</i>	<i>shipmentTransportInformation</i> is a complex type which is available at both header and line levels.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> ShipmentTransportationInformationType (Complex Type)		

	Cardinality: 0..1
	<i>shipmentTransportInformation</i> is only available in the <i>shipToLogistics</i> element. Specifically, it is not available in the <i>shipFromLogistics</i> elements. (Note: there are two elements with similar names: <i>shipFromLogistics</i> which is a sibling of <i>shipToLogistics</i> , and <i>shipFrom</i> which is a child of <i>shipToLogistics</i> .)
Co-requisites	orderLogisticalInformation→shipToLogistics→shipTo (<i>PartyIdentificationType</i>)
Optional Elements	(Relative to orderLogisticalInformation→shipToLogistics) →inventoryLocation (<i>PartyIdentificationType</i>) →ultimateConsignee (<i>PartyIdentificationType</i>)

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 <i>transportationMethodTypeCodeList</i> 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
<i>Co-requisites</i>	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType (<i>Attribute, TransportationMethodTypeCodeList</i>)		
<i>Optional Elements</i>	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →carrier→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →serviceLevelCode (<i>ServiceLevelCodeListType</i>) →shipmentSpecialHandlingCode (<i>ShipmentSpecialHandlingCodeList</i>)		

5.12.4 Service Level

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

	<i>Data Type:</i> ServiceLevelCodeListType		
	<i>Cardinality:</i> 0..1		
	Allowable values are: AUTHORIZED_RETURN_SERVICE CONSIGNEE_BILLING_SERVICE DELIVERY_CONFIRMATION EXPEDITED_SERVICE EXPEDITED_SERVICE_WORLDWIDE EXPRESS_SERVICE EXPRESS_SERVICE_PLUS GROUND GROUND_CX_EXPRESS_SERVICE MULTIWEIGHT MUTUALLY_DEFINED NEXT_DAY_AIR	NEXT_DAY_PM NEXT_MORNING PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1030 PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1700 SAME_DAY SATURDAY SATURDAY_PICKUP SECOND_DAY_AIR SECOND_MORNING STANDARD_GROUND_HUNDRED_WEIGHT STANDARD_SERVICE THREE_DAY_SERVICE	
	Allowable values for <i>transportationMethodTypeCodeList</i> 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
<i>Co-requisites</i>	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType (<i>Attribute, TransportationMethodTypeCodeList</i>)		

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			
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 <i>transportationMethodTypeCodeList</i> 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
<i>Co-requisites</i>	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →transportationMethodType (<i>Attribute, TransportationMethodTypeCodeList</i>)		
<i>Optional Elements</i>	(Relative to orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →carrier→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →serviceLevelCode (<i>ServiceLevelCodeList</i>)		

5.12.6 Transport Method

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation→transportationMethodType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> TransportationMethodTypeCodeList		

	Cardinality: 1..1		
	Allowable values for <i>transportationMethodTypeCodeList</i> 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 (<i>string</i>) →carrier→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →serviceLevelCode (<i>ServiceLevelCodeList</i>) →shipmentSpecialHandlingCode (<i>ShipmentSpecialHandlingCodeList</i>)		

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 <i>orderLogisticalInformationType</i> 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.
	Data Type: Date
	Cardinality: 1..1
	<p>The requestedDeliveryDate element is in a Choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows:</p> <p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →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	<p>(Relative to orderLogisticalInformation)</p> <p>→shipToLogistics→shipTo→gln (GlobalLocationNumberType)</p>
Optional Elements	<p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <p>→requestedDeliveryDate→time (time)</p> <p>Note that other optional elements are available depending on which of the co-requisite choices is selected.</p>

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	<p>Part of complex type <i>orderLogisticalInformationType</i> that covers a wide range of shipping/delivery dates and details.</p> <p>Note that it is impossible to specify only the Latest Delivery – the Earliest Delivery SHALL also be specified.</p>		
Schema Constraints	Mandatory: Yes, conditionally. Part of a Choice group of elements of which one and only one SHALL be present.		

	<i>Data Type:</i> Date
	<i>Cardinality:</i> 1..1
	<p>The requestedDeliveryDate element is in a choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows:</p> <p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDate (<i>Complex Type: LogisticalDateType</i>) →requestedShipDate (<i>Complex Type: LogisticalDateType</i>) →requestedPickUpDate (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDateRangeAtUltimateConsignee (<i>Complex Type: LogisticalDateRangeType</i>) →requestedShipDateRange (<i>Complex Type: LogisticalDateRangeType</i>) →requestedDeliveryDateRange (<i>Complex Type: LogisticalDateRangeType</i>)
<i>Co-requisites</i>	<p>(Relative to orderLogisticalInformation)</p> <ul style="list-style-type: none"> →orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate (<i>date</i>) →shipToLogistics→shipTo→gln (<i>GlobalLocationNumberType</i>)
<i>Optional Elements</i>	<p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →requestedDeliveryDateRange→lastestTime (<i>time</i>) →requestedDeliveryDateRange →earliestTime (<i>time</i>)

5.12.9 Earliest Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Reference Dates	<i>Element:</i> Deliver not before date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderLogisticalInformation→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>	<p>Part of a complex type <i>orderLogisticalInformationType</i> 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.</p>		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes, conditionally. Part of a group of elements of which one and only one SHALL be present.		

	<i>Data Type:</i> Date
	<i>Cardinality:</i> 1..1
	<p>The requestedDeliveryDate element is in a choice group of seven elements. Each handles a different delivery date scenario. The choices are as follows:</p> <p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDate (<i>Complex Type: LogisticalDateType</i>) →requestedShipDate (<i>Complex Type: LogisticalDateType</i>) →requestedPickUpDate (<i>Complex Type: LogisticalDateType</i>) →requestedDeliveryDateRangeAtUltimateConsignee (<i>Complex Type: LogisticalDateRangeType</i>) →requestedShipDateRange (<i>Complex Type: LogisticalDateRangeType</i>) →requestedDeliveryDateRange (<i>Complex Type: LogisticalDateRangeType</i>)
<i>Co-requisites</i>	<p>(Relative to orderLogisticalInformation)</p> <ul style="list-style-type: none"> →orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate →shipToLogistics→shipTo→gln (<i>GlobalLocationNumberType</i>)
<i>Optional Elements</i>	<p>(Relative to orderLogisticalInformation→orderLogisticalDateGroup)</p> <ul style="list-style-type: none"> →requestedDeliveryDateRange→earliestTime (<i>time</i>) →requestedDeliveryDateRange→latestTime (<i>time</i>)

5.13 Allowances and Charges

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Allowances and Charges	<i>Element:</i> Allowances and Charges
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	allowanceCharge (<i>Complex Type</i>)		
<i>Basic Type</i>	Element		
<i>Comments</i>	This complex type is capable of handling multiple types of allowances and charges. The individual components of this type are described in the following sections.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		

	<i>Data Type:</i> AllowanceChargeType
	<i>Cardinality:</i> 0..*
<i>Co-requisites</i>	creationDateTime (<i>Attribute, datetime</i>) documentStatus (<i>Attribute, list</i>) orderIdentificationType→uniqueCreatorIdentification (<i>string</i>) orderPartyInformation→seller→gln (<i>Global Location Number</i>) orderPartyInformation→buyer→gln (<i>Global Location Number</i>) orderLogisticalInformation (<i>OrderLogisticalInformationType</i>) multiShipmentOrderLineItem (<i>MultiShipmentOrderLineItemType</i>) orderHeaderIndicator (<i>OrderHeaderIndicatorType</i>)
<i>Optional Elements</i>	All other elements

5.13.1 Amount or Percentage

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	Choice: (relative to allowanceCharge→ monetaryAmountOrPercentage) →amount→monetaryAmount →percentage →measurementValue→value →ratePerUnit→allowanceOrChargeRatePerUnit		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		

	<p><i>Data Type:</i> amount→monetaryAmount: <i>Float</i> percentage: <i>PercentageType</i> measurementValue→value: <i>decimal</i> ratePerUnit→allowanceOrChargeRatePerUnit: <i>Non-negative Integer</i></p>		
	Cardinality: 1..1		
	<p>Cardinality of <i>monetaryAmountOrPercentage</i> is 1..*</p> <p>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.</p>		
	<p>Allowable values for <i>allowanceChargeType</i> are:</p> <p>ALLOWANCE_GLOBAL CHARGE_GLOBAL</p>	<p>CONSOLIDATED FLAT_RATE FREE_GOODS FREIGHT_COSTS</p>	<p>INSURANCE_CHARGE LUMP_SUM MARKUP_FOR_SMALL_VOLUME_PURCHASES PACKING_CHARGES</p>
	<p>Allowable values for <i>allowanceOrChargeType</i> are: ALLOWANCE CHARGE</p>		
	<p>Allowable values for <i>settlementType</i> are:</p> <p>BILL_BACK CHARGE_TO_BE_PAID_BY_CUSTOMER</p>	<p>CHARGE_TO_BE_PAID_BY_VENDOR CREDIT_CUSTOMER_ACCOUNT ITEM_ACCRUALS</p>	<p>OFF_INVOICE VENDOR_ACCRUALS VENDOR_CHECK</p>
	<p>Allowable values for <i>effectiveDateType</i> are:</p> <p>EFFECTIVE_DATE EXPIRATION_DATE</p>	<p>FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE</p>	<p>LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE</p>
Co-requisites	<p>(Relative to multiShipmentOrderLineItem→allowanceCharge)</p> <p>→monetaryAmountOrPercentage→amount→currencyCode→currencyISOCODE (<i>string</i>)</p> <p>→monetaryAmountOrPercentage→measurementValue→unitOfMeasure (<i>Attribute, string</i>)</p> <p>→allowanceChargeType (<i>Attribute, AllowanceChargeListType</i>)</p> <p>→sequenceNumber (<i>Attribute, nonNegativeInteger</i>)</p> <p>→allowanceOrChargeType (<i>Attribute, AllowanceOrChargeListType</i>)</p> <p>→settlementType (<i>Attribute, SettlementListType</i>)</p>		

<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>) →monetaryAmountOrPercentage→ratePerUnit→amountPerUnit (<i>AmountType</i>) →monetaryAmountOrPercentage→ratePerUnit→percentagePerUnit (<i>PercentageType</i>) →monetaryAmountOrPercentage→ratePerUnit→measurementPerUnit (<i>MeasurementValueType</i>) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)
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5.13.2 Charge Type

<i>AS5023 Reference</i>	Section: Header	Group:	Element:
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	allowanceCharge→allowanceChargeType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	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 <i>allowanceOrChargeType</i> are: ALLOWANCE CHARGE		

	Allowable values for <i>settlementType</i> 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 <i>effectiveDateType</i> are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
<i>Co-requisites</i>	(Relative to allowanceCharge) →monetaryAmountOrPercentage (<i>MonetaryAmountOrPercentageType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →allowanceOrChargeType (<i>Attribute, AllowanceOrChargeListType</i>) →settlementType (<i>Attribute, SettlementListType</i>)		
<i>Optional Elements</i>	(Relative to allowanceCharge) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)		

5.13.3 Sequence Number

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

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

5.13.4 Allowance or Charge

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

Schema Constraints	Mandatory: No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: ALLOWANCE CHARGE		
	Allowable values for <i>allowanceChargeType</i> 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 <i>settlementType</i> 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 <i>effectiveDateType</i> 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 (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeType (<i>Attribute, AllowanceChargeListType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →settlementType (<i>Attribute, SettlementListType</i>) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>)		
Optional Elements	(Relative to allowanceCharge) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)		

5.13.5 Settlement Type

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

<i>GS1 XML Path</i>	allowanceCharge→settlementType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values for <i>settlementType</i> 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 <i>allowanceChargeType</i> 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 <i>allowanceOrChargeType</i> are: ALLOWANCE CHARGE		
	Allowable values for <i>effectiveDateType</i> are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
<i>Co-requisites</i>	(Relative to allowanceCharge) →monetaryAmountOrPercentage (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeType (<i>Attribute, AllowanceChargeListType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →allowanceOrChargeType (<i>Attribute, AllowanceOrChargeListType</i>) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>)		
<i>Optional Elements</i>	(Relative to allowanceCharge) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)		

5.14 Payment Terms

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Payment	<i>Element:</i> Payment terms
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	paymentTerms		
<i>Basic Type</i>	Element		
<i>Comments</i>	<i>paymentTerms</i> is a complex type: <i>PaymentTermsType</i> 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.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> PaymentTermsType (complex type)		
	<i>Cardinality:</i> 0..*		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	None		

5.14.1 Net Payment

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Payment Terms		
<i>GS1 XML Path</i>	paymentTerms→netPayment→paymentTimePeriod→date		
<i>Basic Type</i>	Element		

Comments	<p><i>date</i> belongs to a <i>paymentTimePeriod</i> Choice group of three elements, one of which SHALL be selected. <i>date</i> was chosen as representative of the group. The elements in the group are:</p> <p>paymentTimePeriod→date (<i>date</i>)</p> <p>paymentTimePeriod→dayOfMonthDue (<i>integer</i>)</p> <p>paymentTimePeriod→timePeriodDue (<i>TimePeriodDueType</i>)</p> <p><i>timePeriodDue</i> is a Complex Type with the following components:</p> <p>→value (<i>Non-negative integer</i>)</p> <p>→timePeriod (<i>Attribute, List: DAYS, WEEKS, MONTHS</i>)</p> <p>Except for the specific data required for each of these elements, comments about the <i>date</i> element apply equally to all three.</p>		
Schema Constraints	Mandatory: No		
	Data Type: date		
	Cardinality: 1..1		
	Cardinality of <i>netPayment</i> is 0..1		
	<i>netPayment</i> is optional, however if it is used, then <i>date</i> belongs to a group of three elements, one of which SHALL be selected.		
	Allowable values for <i>paymentTermsType</i> 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 <i>paymentTermsEvent</i> 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 (<i>Attribute, PaymentTermsTypeListType</i>) →paymentTermsEvent (<i>Attribute, PaymentTermsTypeListType</i>)		

<i>Optional Elements</i>	(Relative to paymentTerms) →installmentDue (<i>InstallmentDueType</i>) →discountPayment (<i>DiscountPaymentType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)
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5.14.2 Instalment Due

<i>AS5023 Reference</i>	Section: Header	Group:	Element:
<i>Description/Comments</i>	Refer to Payment Terms		
<i>GS1 XML Path</i>	paymentTerms→installmentDue→percentOfPaymentDue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: PercentageType		
	Cardinality: 1..1		
	Cardinality of <i>installmentDue</i> is 0..1		
	Allowable values for <i>paymentTermsType</i> 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 <i>paymentTermsEvent</i> 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	<p>(Relative to paymentTerms)</p> <p>→installmentDue→paymentTimePeriod</p> <p>paymentTimePeriod is a Choice group of three elements, one of which SHALL be selected. The elements in the group are:</p> <p>paymentTimePeriod→date (<i>date</i>)</p> <p>paymentTimePeriod→dayOfMonthDue (<i>integer</i>)</p> <p>paymentTimePeriod→timePeriodDue (<i>TimePeriodDueType</i>)</p> <p>timePeriodDue is a Complex Type with the following components:</p> <p>→value (<i>Non-negative integer</i>)</p> <p>→timePeriod (<i>Attribute, List: DAYS, WEEKS, MONTHS</i>)</p> <p>Except for the specific data required for each of these elements, comments about the <i>date</i> element apply equally to all three.</p> <p>→paymentTermsType (<i>Attribute, PaymentTermsTypeListType</i>)</p> <p>→paymentTermsEvent (<i>Attribute, PaymentTermsTypeListType</i>)</p>
Optional Elements	<p>(Relative to paymentTerms)</p> <p>→netPayment (<i>NetPaymentType</i>)</p> <p>→discountPayment (<i>DiscountPaymentType</i>)</p> <p>→proximoCutOffDay (<i>ProximoCutOffDayType</i>)</p> <p>→paymentMethod (<i>PaymentMethodType</i>)</p>

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			
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 0..1		

	Cardinality of <i>discountPayment</i> is 0..*		
	Allowable values for <i>paymentTermsType</i> 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 <i>paymentTermsEvent</i> 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 (<i>string</i>) →discountPayment →paymentTimePeriod (<i>PaymentTimePeriodType</i>) →discountPayment →discountType (<i>Attribute, string</i>) →paymentTermsType (<i>Attribute, PaymentTermsTypeListType</i>) →paymentTermsEvent (<i>Attribute, PaymentTermsTypeListType</i>)		
Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription (<i>MultiDescriptionType</i>) →discountPayment→discountPercent (<i>PercentageType</i>) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)		

5.14.4 Discount Percentage

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	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 <i>discountPayment</i> is 0..*		
	Allowable values for <i>paymentTermsType</i> 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 <i>paymentTermsEvent</i> 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 (<i>PaymentTimePeriodType</i>) →discountPayment →discountType (<i>Attribute, string</i>) →paymentTermsType (<i>Attribute, PaymentTermsTypeListType</i>) →paymentTermsEvent (<i>Attribute, PaymentTermsTypeListType</i>)		
Optional Elements	(Relative to paymentTerms) →discountPayment→discountDescription (<i>MultiDescriptionType</i>) →discountPayment→discountAmount→monetaryAmount (<i>float</i>) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>) →paymentMethod (<i>PaymentMethodType</i>)		

5.14.5 Proximo

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

5.14.6 Payment Method

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Payment Terms		
<i>GS1 XML Path</i>	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 <i>automatedClearingHousePaymentFormat</i> : CCD CCP	CTX PPD PPP	
	Allowable values for <i>paymentMethodType</i> : 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 <i>paymentTermsType</i> 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 <i>paymentTermsEvent</i> are: AFTER_DATE_OF_DELIVERY ANTICIPATED_DELIVERY_DATE DATE_INVOICE_RECEIVED DATE_OF_DELIVERY_TO_SITE	DATE_OF_INVOICE DATE_OF_SHIPMENT_AS_EVIDENCED_BY_TRANSPORT_DOCUMENTS EFFECTIVE_DATE INVOICE_TRANSMISSION_DATE RECEIPT_OF_GOODS	

<i>Co-requisites</i>	(Relative to paymentTerms) →paymentTermsType (<i>Attribute, PaymentTermsTypeListType</i>) →paymentTermsEvent (<i>Attribute, PaymentTermsTypeListType</i>)
<i>Optional Elements</i>	(Relative to paymentTerms) →netPayment (<i>NetPaymentType</i>) →installmentDue (<i>InstallmentDueType</i>) →discountPayment (<i>DiscountPaymentType</i>) →proximoCutOffDay (<i>ProximoCutOffDayType</i>)

5.15 Free Text Instructions

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Special Instructions	<i>Element:</i> Free text instructions
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	additionalOrderInstruction→longText		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	Cardinality of additionalOrderInstruction is 0..1		
<i>Co-requisites</i>	additionalOrderInstruction→language→languageISOCODE (<i>string</i>) languageISOCODE holds ISO 639 codes. Details available at: www.iso.org		
<i>Optional Elements</i>	None		

5.16 Order Instructions Language

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

5.17 Order Header Indicator

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

<i>Co-requisites</i>	orderHeaderIndicator → isApplicationReceiptAcknowledgementRequired(<i>boolean, True or False</i>) orderHeaderIndicator → isOrderFreeOfExciseTaxDuty(<i>boolean, True or False</i>)
<i>Optional Elements</i>	orderHeaderIndicator → orderInstruction(<i>string</i>)

5.18 Line Number

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

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

<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>) →netPrice (<i>MultiAmountType</i>) →netAmount (<i>MultiAmountType</i>) →additionalOrderLineInstruction (<i>DescriptionType</i>) →lineItemActionCode (<i>OrderLineItemActionCodeListType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →allowanceCharge (<i>AllowanceChargeType</i>) →shipmentDetail (<i>ShipmentDetailType</i>) →taxRate (attribute)
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5.19 Tax Rate

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Tax Rate	<i>Element:</i> Tax Rate
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem →taxRate		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 0..1		
	Cardinality of multiShipmentOrderLineItem is 1..*		
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	None		

5.20 Quantity

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

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

5.21 Unit of Measure

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Quantity</i>	<i>Element: Unit of Measure</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→requestedQuantity→ unitOfMeasure→ measurementUnitCodeValue		
<i>Basic Type</i>	Element		
<i>Comments</i>	In GS1 XML this is an optional component whereas in AS5023 it is mandatory.		
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: string</i>		
	<i>Cardinality: 1..1</i>		
	Cardinality of <i>unitOfMeasure</i> is: 0..1 Allowable values for <i>unitOfMeasure</i> 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		
<i>Co-requisites</i>	multiShipmentOrderLineItem→requestedQuantity→value (<i>float</i>)		
<i>Optional Elements</i>	None		

5.22 Transport Detail

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Transport</i>	<i>Element: Transport detail</i>
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	orderLogisticalInformation→shipToLogistics→shipmentTransportationInformation		
<i>Basic Type</i>	Element		
<i>Comments</i>	<i>shipmentTransportationInformation</i> is a complex type which is available at both header and line levels.		
<i>Schema Constraints</i>	<i>Mandatory: Yes</i>		
	<i>Data Type: ShipmentTransportationInformationType (Complex Type)</i>		

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

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

5.22.2 Service Level

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

	<i>Data Type:</i> ServiceLevelCodeListType		
	<i>Cardinality:</i> 0..1		
	<p>Allowable values are:</p> <p>AUTHORIZED_RETURN_SERVICE</p> <p>CONSIGNEE_BILLING_SERVICE</p> <p>DELIVERY_CONFIRMATION</p> <p>EXPEDITED_SERVICE</p> <p>EXPEDITED_SERVICE_WORLDWIDE</p> <p>EXPRESS_SERVICE</p> <p>EXPRESS_SERVICE_PLUS</p> <p>GROUND</p> <p>GROUND_CX_EXPRESS_SERVICE</p> <p>MULTIWEIGHT</p> <p>MUTUALLY_DEFINED</p> <p>NEXT_DAY_AIR</p>	<p>NEXT_DAY_PM</p> <p>NEXT_MORNING</p> <p>PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1030</p> <p>PRIMARY_SERVICE_AREA_NEXT_DAY_BY_1700</p> <p>SAME_DAY</p> <p>SATURDAY</p> <p>SATURDAY_PICKUP</p> <p>SECOND_DAY_AIR</p> <p>SECOND_MORNING</p> <p>STANDARD_GROUND_HUNDRED_WEIGHT</p> <p>STANDARD_SERVICE</p> <p>THREE_DAY_SERVICE</p>	
	<p>Allowable values for <i>transportationMethodTypeCodeList</i> are:</p> <p>AIR</p> <p>AIR_CHARTER</p> <p>AIR_EXPRESS</p> <p>AIR_FREIGHT</p> <p>BEST_WAY_SHIPPERS_OPTION</p> <p>BOOK_POSTAL</p> <p>BUS</p> <p>CAB</p> <p>CONSOLIDATION</p> <p>CONTRACT_CARRIER</p> <p>CUSTOMER_PICKUP</p> <p>CUSTOMER_PICKUP_OR_CUSTOMERS_EXPENSE</p> <p>EXPEDITED_TRUCK</p>	<p>GEOGRAPHIC_RECEIVING</p> <p>GEOGRAPHIC_RECEIVING_SHIPPING</p> <p>GEOGRAPHIC_SHIPPING</p> <p>INLAND_WATERWAY</p> <p>INTERMODAL_PIGGYBACK</p> <p>LESS_THAN_TRUCK_LOAD</p> <p>MOTOR</p> <p>MOTOR_COMMON_CARRIER</p> <p>MOTOR_FLATBED</p> <p>MOTOR_PACKAGE_CARRIER</p> <p>MOTOR_TRUCKLOAD</p> <p>MOTOR_VAN</p> <p>MUTUALLY_DEFINED</p> <p>OCEAN</p> <p>PARCEL_POST</p>	<p>PIPELINE</p> <p>POOLED_AIR</p> <p>POOLED_PIGGYPACK</p> <p>POOL_TO_POOL</p> <p>POOLED_RAIL</p> <p>POOLED_TRUCK</p> <p>POOL_TO_POOL</p> <p>PRIVATE_CARRIER</p> <p>PRIVATE_PARCEL_SERVICE</p> <p>PRIVATE_VESSEL</p> <p>RAIL</p> <p>ROADTRAILER</p> <p>SEA_AIR</p> <p>STEAM_SHIP</p> <p>SUPPLIER_TRUCK</p>
<i>Co-requisites</i>	<p>(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation)</p> <p>→transportationMethodType (<i>Attribute, TransportationMethodTypeCodeList</i>)</p>		

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 <i>transportationMethodTypeCodeList</i> 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
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →transportationMethodType (<i>Attribute, TransportationMethodTypeCodeList</i>)		
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→ shipmentTransportationInformation) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) →carrier→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →serviceLevelCode (<i>ServiceLevelCodeList</i>)		

5.22.4 Transport Method

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→ shipmentTransportationInformation→transportationMethodType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> TransportationMethodTypeCodeList		

	Cardinality: 1..1		
	Allowable values for <i>transportationMethodTypeCodeList</i> 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 (<i>string</i>) →carrier→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →serviceLevelCode (<i>ServiceLevelCodeList</i>) →shipmentSpecialHandlingCode (<i>ShipmentSpecialHandlingCodeList</i>)		

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:
	Data Type: float
	Cardinality: 1..1
	Cardinality of <i>netPrice</i> is 0..1
Co-requisites	(Relative to multiShipmentOrderLineItem) →netPrice→amount→currencyCode→currencyISOCCode (<i>string</i>) →number (<i>Attribute, nonNegativeNumber</i>) →requestedQuantity→value (<i>float</i>) →tradeItemIdentification→gtin (<i>GlobalTradeItemNumberType</i> ³)
Optional Elements	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>) →netAmount (<i>MultiAmountType</i>) →additionalOrderLineInstruction (<i>LongDescriptionType</i>) →lineItemActionCode (<i>OrderLineItemActionCodeListType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →allowanceCharge (<i>AllowanceChargeType</i>) →shipmentDetail (<i>ShipmentDetailType</i>) →taxRate (<i>attribute</i>)

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→currencyISOCCode		
Basic Type	Element		

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 <i>netPrice</i> 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		

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

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

5.26 Currency

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

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

<i>Basic Type</i>	Element
<i>Comments</i>	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
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> list
	<i>Cardinality:</i> 1..1
	Cardinality of <i>netPrice</i> is 0..1
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem) →netAmount→monetaryAmount(<i>float</i>) →number (<i>Attribute, nonNegativeNumber</i>) →requestedQuantity→value (<i>float</i>) →tradeItemIdentification→gtin (<i>GlobalTradeItemNumberType</i> ⁶)
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>) →netPrice (<i>MultiAmountType</i>) →additionalOrderLineInstruction (<i>LongDescriptionType</i>) →lineItemActionCode (<i>OrderLineItemActionCodeListType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →allowanceCharge (<i>AllowanceChargeType</i>) →shipmentDetail (<i>ShipmentDetailType</i>) →taxRate (<i>attribute</i>)

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

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Product identification	<i>Element:</i> Unique product identifier
<i>Description/Comments</i>	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.		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→tradeItemIdentification→gtin		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is mandatory without exceptions, contrary to the AS5023 standard.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Trade Item Number ⁷		
	<i>Cardinality:</i> 1..1		
	Cardinality of <i>multiShipmentOrderLineItem</i> is 1..*		
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem) →number (<i>Attribute, nonNegativeInteger</i>) →requestedQuantity (<i>float</i>)		
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification) →additionalTradeItemIdentificationValue (<i>string</i>) →additionalTradeItemIdentificationType (<i>AdditionalTradeItemIdentificationListType</i>) (Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>) →netPrice (<i>MultiAmountType</i>) →netAmount (<i>MultiAmountType</i>) →additionalOrderLineInstruction (<i>LongDescriptionType</i>) →lineItemActionCode (<i>OrderLineItemActionCodeListType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →allowanceCharge (<i>AllowanceChargeType</i>) →shipmentDetail (<i>ShipmentDetailType</i>)		

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

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

5.29 Sellers Product Code

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Product Identification	<i>Element:</i> Sellers Product Code
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Basic Type</i>	Element		

<i>Comments</i>	Any number of additional <i>tradeItemIdentifications</i> may be used.
<i>Schema Constraints</i>	<i>Mandatory</i> : No
	<i>Data Type</i> : String
	<i>Cardinality</i> : 1..1
	Cardinality of <i>additionalTradeItemIdentification</i> is 0..* The co-requisite element <i>additionalTradeItemIdentificationType</i> SHALL be set to ‘SUPPLIER_ASSIGNED’
<i>Co-requisites</i>	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType (<i>AdditionalTradeItemIdentificationListType</i>) Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED (for Seller Product Code purposes the value SHALL be set to ‘SUPPLIER_ASSIGNED’)
<i>Optional Elements</i>	None

5.30 Additional Item Identification Type

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Buyers and Sellers Product Codes - Required by GS1		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory</i> : No		
	<i>Data Type</i> : AdditionalTradeItemIdentificationListType		
	<i>Cardinality</i> : 1..1		
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED		
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationValue (<i>string</i>)		

Optional Elements	None
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5.31 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 <i>additionalOrderLineInstruction</i> is 0..1		
Co-requisites	multiShipmentOrderLineItem→additionalOrderLineInstruction→language→languageISOCODE (<i>string</i>)		
Optional Elements	None		

5.32 Purchase Conditions

5.32.1 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		

	<i>Data Type:</i> string
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference) →number (<i>Non-negative Integer</i>) →documentReference→contentOwner→gln (<i>Global Location Number</i>) →documentReference→creationDateTime (<i>dateTime</i>)
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.32.2 Creation Date and Time

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

<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)
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5.32.3 Content Owner

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

5.32.4 Pricing Document Line Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Pricing Document Line Number
<i>Description/Comments</i>	This identifies the specific line in the specified document used for the pricing used e.g. contract, standing offer, catalogue, etc.		

<i>GS1 XML Path</i>	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→number
<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> Non-negative Integer
	<i>Cardinality:</i> 1..1
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference) →documentReference→uniqueCreatorIdentification (<i>string</i>) →documentReference→contentOwner→gln (<i>Global Location Number</i>) →documentReference→creationDateTime (<i>dateTime</i>)
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.32.5 Unique Creator Identification

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Unique Creator Identification
<i>Description/Comments</i>	This identifies the specific document used authority for the pricing used e.g. contract, standing offer, catalogue, etc.		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→ uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element shall be used if a specific line in the authority document is quoted.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		

Co-requisites	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference) →number (<i>Non-negative Integer</i>) →documentReference→contentOwner→gln (<i>Global Location Number</i>) →documentReference→creationDateTime (<i>dateTime</i>)
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)

5.32.6 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 (<i>Non-negative Integer</i>) →documentReference→contentOwner→gln (<i>Global Location Number</i>) →documentReference→uniqueCreatorIdentification (<i>string</i>)		
Optional Elements	(Relative to multiShipmentOrderLineItem→purchaseConditions→documentLineReference→documentReference→contentOwner) additionalPartyIdentification→additionalPartyIdentificationValue (<i>string</i>) additionalPartyIdentification→additionalPartyIdentificationType (<i>list</i>)		

5.32.7 Content Owner

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

5.33 Allowances and Charges

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Allowances and Charges</i>	<i>Element: Allowances and Charges</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→allowanceCharge (<i>Complex Type</i>)		
<i>Basic Type</i>	Element		
<i>Comments</i>	This complex type is capable of handling multiple types of allowances and charges. The individual components of this type are described in the following sections.		

Schema Constraints	Mandatory: No
	Data Type: AllowanceChargeType
	Cardinality: 0..*
Co-requisites	(Relative to multiShipmentOrderLineItem) →number (<i>Attribute, nonNegativeNumber</i>) →requestedQuantity→value (<i>float</i>) →tradeItemIdentification→gtin (<i>GlobalTradeItemNumberType</i> ⁸)
Optional Elements	(Relative to multiShipmentOrderLineItem) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>) →netPrice (<i>MultiAmountType</i>) →netAmount (<i>MultiAmountType</i>) →additionalOrderLineInstruction (<i>LongDescriptionType</i>) →lineItemActionCode (<i>OrderLineItemActionCodeListType</i>) →purchaseConditions (<i>DocumentOrDocumentLineReferenceType</i>) →shipmentDetail (<i>ShipmentDetailType</i>) →taxRate

5.33.1 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		

⁸ 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: No		
	Data Type: amount→monetaryAmount: Float percentage: PercentageType measurementValue→value: decimal ratePerUnit→allowanceOrChargeRatePerUnit: Non-negative Integer		
	Cardinality: 1..1		
	Cardinality of <i>monetaryAmountOrPercentage</i> is 1..* <i>sequenceNumber</i> 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 (<i>Attribute, EffectiveDateListType</i>) →monetaryAmountOrPercentage→ratePerUnit→amountPerUnit (<i>AmountType</i>) →monetaryAmountOrPercentage→ratePerUnit→percentagePerUnit (<i>PercentageType</i>) →monetaryAmountOrPercentage→ratePerUnit→measurementPerUnit (<i>MeasurementValueType</i>) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)
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5.33.2 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
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage (<i>MonetaryAmountOrPercentageType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →allowanceOrChargeType (<i>Attribute, AllowanceOrChargeListType</i>) →settlementType (<i>Attribute, SettlementListType</i>)		
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)		

5.33.3 Sequence Number

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

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

5.33.4 Allowance or Charge

<i>AS5023 Reference</i>	Section: Detail	Group:	Element:
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→allowanceCharge→allowanceOrChargeType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			

Schema Constraints	Mandatory: No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: <i>ALLOWANCE</i> <i>CHARGE</i>		
	Allowable values for <i>allowanceChargeType</i> 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 <i>settlementType</i> 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 <i>effectiveDateType</i> 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 (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeType (<i>Attribute, AllowanceChargeListType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →settlementType (<i>Attribute, SettlementListType</i>) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>)		
Optional Elements	(Relative to multiShipmentOrderLineItem→allowanceCharge) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)		

5.33.5 Settlement Type

<i>AS5023 Reference</i>	Section: Detail	Group:	Element:
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→allowanceCharge→settlementType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values for <i>settlementType</i> 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 <i>allowanceChargeType</i> 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 <i>allowanceOrChargeType</i> are: ALLOWANCE CHARGE		
	Allowable values for <i>effectiveDateType</i> are: EFFECTIVE_DATE EXPIRATION_DATE	FIRST_ARRIVAL_DATE FIRST_ORDER_DATE FIRST_SHIP_DATE	LAST_ARRIVAL_DATE LAST_ORDER_DATE LAST_SHIP_DATE
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→allowanceCharge) →monetaryAmountOrPercentage (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeType (<i>Attribute, AllowanceChargeListType</i>) →sequenceNumber (<i>Attribute, nonNegativeInteger</i>) →allowanceOrChargeType (<i>Attribute, AllowanceOrChargeListType</i>)		

<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→allowanceCharge) →effectiveDateType (<i>Attribute, EffectiveDateListType</i>) →allowanceChargePriceBracket (<i>AllowanceChargePriceBracketType</i>) →baseAmount (<i>MonetaryAmountOrPercentageType</i>) →allowanceChargeDescription (<i>MultiDescriptionType</i>)
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5.34 Shipment Detail

5.34.1 Requested Quantity

<i>AS5023 Reference</i>	Section: Detail	Group: Delivery Details	Element: Requested Quantity
<i>Description/Comments</i>	Pairs of delivery locations and delivery quantities		
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→shipmentDetail→requestedQuantity→value		
<i>Basic Type</i>	Element		
<i>Comments</i>	<i>ShipmentDetail</i> is a complex type which incorporates elements already defined at the line or header level.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: float		
	Cardinality: 1..1		
	Cardinality of <i>shipmentDetail</i> is 0..*		
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem) →number (<i>Attribute, nonNegativeInteger</i>) →tradeItemIdentification (<i>TradeItemIdentificationType</i>) →requestedQuantity→unitOfMeasure→measurementUnitCodeValue (<i>string</i>)		
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→ shipmentDetail) →ultimateConsignee (<i>PartyidentificationType</i>) →orderLogisticalDateGroup (<i>OrderLogisticalDateGroupType</i>) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>)		

5.34.2 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	<i>ShipmentDetail</i> 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 <i>shipmentDetail</i> is 0..*		
Co-requisites	(Relative to multiShipmentOrderLineItem) →number (<i>Attribute, nonNegativeInteger</i>) →tradeItemIdentification (<i>TradeItemIdentificationType</i>) →requestedQuantity→unitOfMeasure→measurementUnitCodeValue (<i>string</i>)		
Optional Elements	(Relative to multiShipmentOrderLineItem→ shipmentDetail) →ultimateConsignee (<i>PartyidentificationType</i>) →orderLogisticalDateGroup (<i>OrderLogisticalDateGroupType</i>) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>)		

5.34.3 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		

<i>Comments</i>	<p>This is one of the Choices in the <i>orderLogisticalDateGroup</i>. The choices are:</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee →requestedDeliveryDate →requestedShipDate →requestedPickUpDate →requestedDeliveryDateRangeAtUltimateConsignee →requestedShipDateRange →requestedDeliveryDateRange
<i>Schema Constraints</i>	<p>Mandatory: No</p> <p>Data Type: date</p> <p>Cardinality: 1..1</p> <p>Cardinality of <i>orderLogisticalDateGroup</i> is 0..1</p> <p>Cardinality of <i>shipmentDetail</i> is 0..*</p>
<i>Co-requisites</i>	None
<i>Optional Elements</i>	<p>(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup)</p> <p>→requestedDeliveryDate→time (<i>time</i>)</p>

5.34.4 Delivery Latest Delivery

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

Comments	<p>This is one of the Choices in the <i>orderLogisticalDateGroup</i>. The choices are:</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee →requestedDeliveryDate →requestedShipDate →requestedPickUpDate →requestedDeliveryDateRangeAtUltimateConsignee →requestedShipDateRange →requestedDeliveryDateRange
Schema Constraints	Mandatory: No
	Data Type: date
	Cardinality: 1..1
	Cardinality of <i>orderLogisticalDateGroup</i> is 0..1 Cardinality of <i>shipmentDetail</i> is 0..*
Co-requisites	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→earliestDate (date)
Optional Elements	<p>(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedShipDateRange)</p> <ul style="list-style-type: none"> →latestTime (time) →earliestTime (time)

5.34.5 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	<p>This is one of the Choices in the <i>orderLogisticalDateGroup</i>. The choices are:</p> <ul style="list-style-type: none"> →requestedDeliveryDateAtUltimateConsignee →requestedDeliveryDate →requestedShipDate →requestedPickUpDate →requestedDeliveryDateRangeAtUltimateConsignee →requestedShipDateRange →requestedDeliveryDateRange
Schema Constraints	<p><i>Mandatory</i>: No</p> <p><i>Data Type</i>: date</p> <p><i>Cardinality</i>: 1..1</p> <p>Cardinality of <i>orderLogisticalDateGroup</i> is 0..1</p> <p>Cardinality of <i>shipmentDetail</i> is 0..*</p>
Co-requisites	multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedDeliveryDateRange→latestDate (<i>date</i>)
Optional Elements	<p>(Relative to multiShipmentOrderLineItem→shipmentDetail→orderLogisticalDateGroup→requestedShipDateRange)</p> <ul style="list-style-type: none"> →latestTime (<i>time</i>) →earliestTime (<i>time</i>)

5.34.6 Ultimate Customer Address

AS5023 Reference	<i>Section</i> : Detail	<i>Group</i> : Ultimate Customer Details	<i>Element</i> : 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	<p><i>Mandatory</i>: No</p> <p><i>Data Type</i>: Global Location Number</p>		

	Cardinality: 1..1
	Cardinality of <i>ultimateConsignee</i> is 0..1 Cardinality of <i>shipmentDetail</i> is 0..*
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→shipmentDetail) →requestedQuantity (<i>QuantityType</i>)
<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→shipmentDetail) →ultimateConsignee→additionalPartyIdentification (<i>AdditionalPartyIdentificationType</i>) →shipTo (<i>PartyIdentificationType</i>) →orderLogisticalDateGroup (<i>OrderLogisticalDateGroupType</i>) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>)

5.34.7 Ultimate Customer Name

<i>AS5023 Reference</i>	Section: Detail	Group: Ultimate Customer Details	Element: Ultimate customer name
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	multiShipmentOrderLineItem→shipmentDetail→ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationValue		
<i>Basic Type</i>	Element		
<i>Comments</i>	The mandatory field Global Location Number will also identify the address of the ultimate customer.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of <i>ultimateConsignee</i> is 0..1 Cardinality of <i>shipmentDetail</i> is 0..*		
<i>Co-requisites</i>	(Relative to multiShipmentOrderLineItem→shipmentDetail) →ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationType (<i>AdditionalPartyIdentificationListType</i>) →ultimateConsignee→gln (<i>GlobalLocationNumberType</i>) →requestedQuantity (<i>QuantityType</i>)		

<i>Optional Elements</i>	(Relative to multiShipmentOrderLineItem→shipmentDetail) →shipTo (<i>PartyIdentificationType</i>) →orderLogisticalDateGroup (<i>OrderLogisticalDateGroupType</i>) →shipmentTransportationInformation (<i>ShipmentTransportationInformationType</i>)
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5.35 Total GST

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

5.36 Total Order Amount

<i>AS5023 Reference</i>	<i>Section:</i> End of Message	<i>Group:</i> Summary	<i>Element:</i> Total Amount (ex GST)
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	totalMonetaryAmountOfOrder→monetaryAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>			

Schema Constraints	Mandatory: No
	Data Type: float
	Cardinality: 1..1
	Cardinality of <i>totalMonetaryAmountOfOrder</i> is 0..1
Co-requisites	totalMonetaryAmountOfOrder→currencyCode→ currencyISOCODE (<i>string</i>)
Optional Elements	None

5.37 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 (<i>float</i>)		
Optional Elements	None		

6 The Minimum Schema

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

StandardBusinessDocumentHeader

HeaderVersion

Sender

Identifier

Identifier:Authority (attribute)

Receiver

Identifier

Identifier:Authority (attribute)

DocumentIdentification

Standard

TypeVersion

InstanceIdentifier

Type

MultipleType

CreationDateAndTime

BusinessScope

Scope

ScopeAttributes

Type

InstanceIdentifier

message

entityIdentification

uniqueCreatorIdentification

contentOwner

gln

transaction

entityIdentification

uniqueCreatorIdentification

contentOwner

gln

```

command
  documentCommandHeader
    type
    entityIdentification
      uniqueCreatorIdentification
    contentOwner
      gln
  documentCommandOperand
    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
currencycode
currencyISOCode

7 References

This document is based on the following documents

- [SA2003] Standards Australia 2003, Health Supply Chain Messaging Part 2: Datasets, Standards Australia.
- [SBDH2007] GS1 2007, Standard Business Document Header (SBDH) Technical Implementation Guide, Release: 1.3, GS1.
- [MSO2009] GS1 2009, Business Message Standard (BMS) Multi Shipment Order, BMS Release: 2.6, GS1.
- [EPTA2007] NEHTA 2007, E-Procurement Technical Architecture; Version 1.0, NEHTA