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

**Part 2: GS1 XML Order Response Message**

Version 1.7 - 6 December 2013

Approved for external use

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# Version Control

Version	Nature of Change/Comments
1.6	<p>Principal version 1.6 changes:</p> <ul style="list-style-type: none"><li>• Minor syntactical changes.</li><li>• Net Price (Section 4.24) revised to indicate usage as Optional, though where a price alteration has been made the revision needs to be sent in this element.</li><li>• Added Section 5 – Minimum schema representation</li><li>• Added Section 6 – Message sample</li><li>•</li></ul>
1.7	<p>Principal version 1.7 changes :</p> <ul style="list-style-type: none"><li>• Changed on section 4.9 from “Detail” section to “Header” section.</li></ul> <p>Changed Business Scope Identifier from 1.5 to 1.7</p>

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# 1 Introduction

This document describes the elements of the GS1 XML Purchase Order Response message (version 2.6) that will be used by 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 Response message.

It is presumed that readers have an understanding of XML and an overview of the messages defined in AS5023 and 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 GS1 XML path root is 'orderResponse' and all XML paths will assume this starting point unless otherwise stated.

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 are based on technical rules. Business rules may impose additional constraints.

## 1.1 Format - Data Sections

In the following section 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.

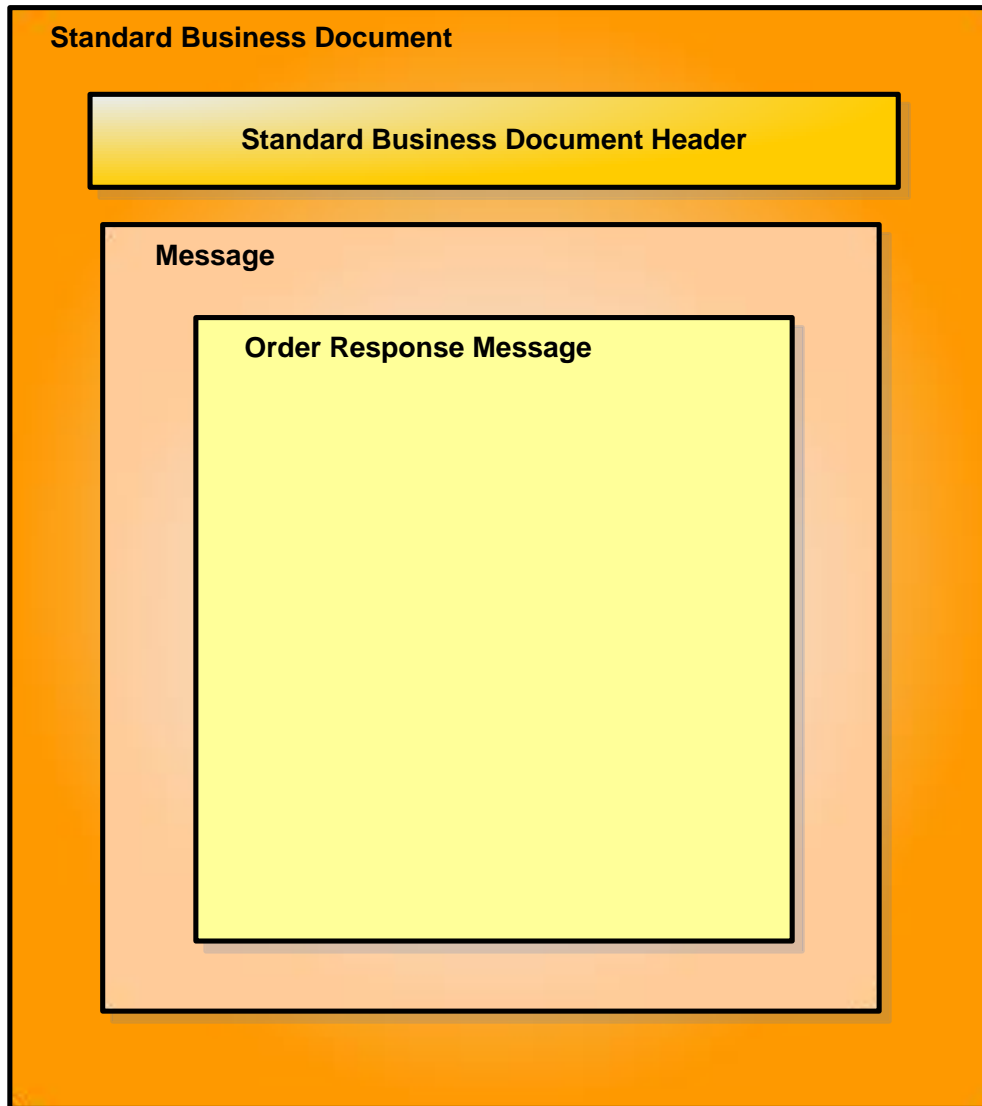
When related elements are referred to, particularly in the Co-requisites and Optional Elements sections, a functional bias has been taken in deciding which elements to include or exclude. For example, the co-requisites for *documentStatus* included *contentVersion*, *orderHeaderIndicator*, etc. as they all define control information about the document.

## 1.2 XML Document Structure and Layers

The Order Response Message elements shall be wrapped in the Message Layer element: *message*. 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 Order Response 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.

## 2 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.

### 2.1 Header Version

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

## 2.2 Sender

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	StandardBusinessDocumentHeader→Sender→Identifier		
Basic Type	Element		
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.		
Schema Constraints	Mandatory: Yes		
	Data Type: Global Location Number		
	Cardinality: 1..*		
	Only <u>one</u> Sender element can be used even though the schema allows for multiple elements. The Sender Identifier <u>Shall</u> be the GLN of the sending organisation.		
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> )		

## 2.3 Authority

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

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

## 2.4 Sender Name

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

## 2.5 Sender Email Address

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

## 2.6 Sender Fax Number

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

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

## 2.7 Sender Phone Number

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

## 2.8 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 <u>shall</u> be the GLN of the sending organisation.		
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver) →Identifier→Authority ( <i>Attribute - string</i> ) →ContactInformation→Contact ( <i>string</i> ) →ContactInformation→EmailAddress ( <i>string</i> ) →ContactInformation→FaxNumber ( <i>string</i> ) →ContactInformation→TelephoneNumber ( <i>string</i> )		
Optional Elements	(Relative to StandardBusinessDocumentHeader→Receiver) →ContactInformation→ContactTypeIdentifier ( <i>string</i> )		

## 2.9 Authority

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

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

## 2.10 Receiver Name

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element is 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 receiving organisation that is able to address issues concerning message delivery. Shall not contain Personally Identifiable Information (PII).		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→Receiver→ContactInformation) →EmailAddress ( <i>string</i> ) →FaxNumber ( <i>string</i> ) →TelephoneNumber ( <i>string</i> )		
<i>Optional Elements</i>	→ContactTypeIdentifier ( <i>string</i> )		



## 2.11 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)		

## 2.12 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)

### 2.13 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 who 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)		

## 2.14 Message Document Identification

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 places additional constraints on the original UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> <b>No</b>		
	<i>Data Type:</i> String		
	<i>Cardinality:</i> 0..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.		
<i>Co-requisites</i>	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard ( <i>string</i> ) →TypeVersion ( <i>string</i> ) →Type ( <i>string</i> ) →MultipleType ( <i>boolean</i> ) →CreationDateAndTime ( <i>dateTime</i> )		
<i>Optional Elements</i>	None		

## 2.15 Message Document Standard

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→DocumentIdentification→Standard		

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

## 2.16 Message Document Type Version

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion		
<i>Basic Type</i>	Element		
<i>Comments</i>	GS1 places additional constraints on the original UN/CEFACT schema definition.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
	Shall be set to the version number of the orderResponse schema e.g. '2.6'		

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

## 2.17 Message Document Type

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

## 2.18 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 can 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		

## 2.19 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.		

<i>Schema Constraints</i>	<i>Mandatory:</i> Yes
	<i>Data Type:</i> dateTime
	<i>Cardinality:</i> 1..1
	Shall be set to the date and time that the source Purchase Order Response 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

## 2.20 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		

## 2.21 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 '1.7' which is the current version of this guideline.		
<i>Co-requisites</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→Type		
<i>Optional Elements</i>	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier		

## 2.22 <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

### 3 Message Layer Elements

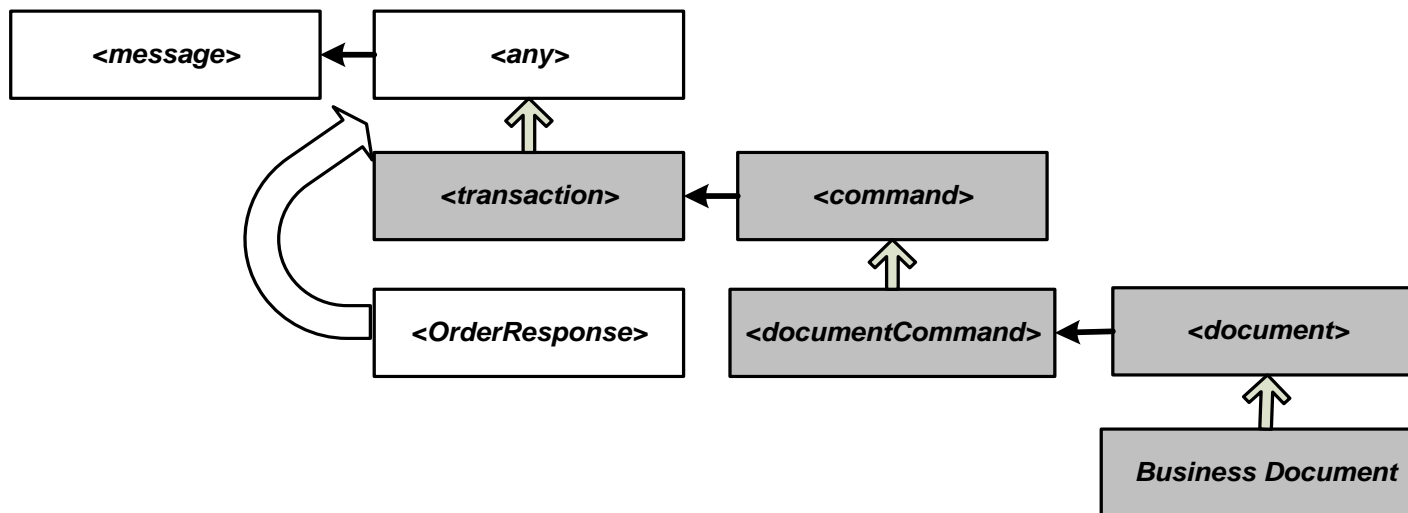
In this section, the GS1 XML path root is:

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:



Unlike other documents, the Order Response message replaces the *any* element in the *message* element. The *transaction*, *command*, and *document* elements are not used.

## 3.1 Message

### 3.1.1 Message: <any>

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

### 3.1.2 Message: Identifier

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

	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> )

### 3.1.3 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 Business Document Layer Message Elements

This layer covers the Order Response message.

In this section, the GS1 XML path root is:

StandardBusinessDocument→message→orderResponse

(XPath: sh:StandardBusinessDocument / eanucc:message / order:orderResponse)

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.

### 4.1 Message Function

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Message Function
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	responseStatusType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> List		
	<i>Cardinality:</i> 1..1		
	Allowable values: ACCEPTED    MODIFIED    REJECTED		
<i>Co-requisites</i>	creationDateTime ( <i>Attribute dateTime</i> ) documentStatus ( <i>DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> )		

<i>Optional Elements</i>	lastUpdate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )
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## 4.2 Document Status

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Message Function - Required by GS1		
<i>GS1 XML Path</i>	documentStatus		
<i>Basic Type</i>	Attribute		
<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> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	Allowable Values are: COPY    ORIGINAL    REPLACE		
<i>Co-requisites</i>	creationDateTime ( <i>Attribute dateTime</i> ) responseStatusType ( <i>ResponseStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> ) totalMonetaryAmountOfOrderExcludingTaxes ( <i>AmountType</i> ) totalTax ( <i>AmountType</i> )		

<i>Optional Elements</i>	lastUpdate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )
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### 4.3 Order Response Number

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Opening</i>	<i>Element: Order Response Number</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	responseIdentification→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: Yes</i>		
	<i>Data Type: String</i>		
	<i>Cardinality: 1..1</i>		
<i>Co-requisites</i>	responseIdentification→contentOwner→gln ( <i>Global Location Number</i> ) responseToOriginalDocument→referenceDocumentType ( <i>integer</i> ) responseToOriginalDocument→referenceIdentification ( <i>string</i> )		
<i>Optional Elements</i>	responseToOriginalDocument→referenceDateTime ( <i>dateTime</i> ) (Relative to responseIdentification→contentOwner→additionalPartyIdentification) →additionalPartyIdentificationValue ( <i>string</i> ) →additionalPartyIdentificationType ( <i>list</i> )		

### 4.3.1 Order Response Owner

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

### 4.4 Order Response Date

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Order response date/time
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	creationDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> datetime		
	<i>Cardinality:</i> 1..1		



	Time is not optional in the XML data type; however, it can be all zeros, e.g. "2010-01-15T00:00:00.000"
<i>Co-requisites</i>	documentStatus ( <i>Attribute DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>Attribute</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> )
<i>Optional Elements</i>	lastUpdate ( <i>Attribute Date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> ) totalMonetaryAmountOfOrderExcludingTaxes ( <i>AmountType</i> ) totalTax ( <i>AmountType</i> )

## 4.5 Reason Code (Header)

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Order Response Reason Code
<i>Description/Comments</i>	Free text field to give additional explanation of changes.		
<i>GS1 XML Path</i>	orderResponse→orderResponseReasonCode		
<i>Basic Type</i>	Element		
<i>Comments</i>	Unlike the AS5023 requirement for free text, this is a set of reason codes. This field is also available at the line level.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..*		

	<p>Allowable values are:</p> <p>APPLICATION_ROUTING_ERROR  BUSINESS_SCOPE_BLOCK  CODE_NOT_MAPPED_TO_APPLICATION  CUSTOMER_IDENTIFICATION_NUMBER_AND_ENTITY_NAME_DO_NOT_MATCH  CUSTOMER_IDENTIFICATION_NUMBER_DOES_NOT_EXIST  CUSTOMER_IDENTIFICATION_NUMBER_IS_INVALID  CUSTOMER_IDENTIFICATION_NUMBER_IS_MISSING  DELIVERY_SLOT_MISSED  DELIVERY_SLOT_NOT_VALID_FOR_LOCATION  DISCONTINUED_LINE  DOCUMENT_ENCLOSED_IN_THE_FIRST_TRANSMISSION  DOCUMENT_ENCLOSED_IN_THE_SECOND_TRANSMISSION  DOCUMENT_NOT_ATTACHED  DOCUMENT_NOT_AVAILABLE  DOCUMENT_NOT_REQUIRED_WAIVER_ISSUED  DUPLICATE  GAP_IN_TIME_PERIOD  INCOMPLETE_MESSAGE  INCORRECT_DATE  INSTANCE_IDENTIFIER  INVALID_BUSINESS_PROCESS_CURRENT_STATUS_CODE  INVALID_BUYER_EVENT_IDENTIFICATION  INVALID_BUYER_IDENTIFICATION  INVALID_BUYER_LOCATION_GROUP_IDENTIFICATION  INVALID_BUYER_LOCATION_IDENTIFICATION  INVALID_DATE  INVALID_PRODUCT_BUYER_GROUP_IDENTIFICATION  INVALID_PRODUCT_OR_ITEM_IDENTIFICATION  INVALID_PRODUCT_SELLER_GROUP_IDENTIFICATION  INVALID_SELLER_EVENT_IDENTIFICATION  INVALID_SELLER_IDENTIFICATION  INVALID_SELLER_LOCATION_GROUP_IDENTIFICATION</p>	<p>INVALID_SELLER_LOCATION_IDENTIFICATION  INVALID_STATUS_TRANSITION  INVALID_TIME_PERIOD  ITEM_MARKED_FOR_DELETE  ITEM_NOT_AUTHORIZED  ITEM_TEMPORARILY_NOT_AVAILABLE  MANIFEST_BLOCK  MESSAGE_UNDER_DEVELOPMENT  MISSING_CODE_FOR_APPLICATION  MISSING_DATA  MISSING_EFFECTIVE_MESSAGE_DATE  MISSING_IDENTIFICATION_CODE  MISSING_MESSAGE_REFERENCE_NUMBER  MISSING_OR_INVALID_DUNS_NUMBER  MISSING_OR_INVALID_LOCATION  MISSING_OR_INVALID_MESSAGE_CODE  MISSING_OR_INVALID_SCAC  MISSING_OR_INVALID_UPC_CODE  OTHER_UNLISTED_REASON  OVERLAPPING_TIME_PERIOD  PARTICIPATING_LOCATION  PARTICIPATION_PERCENT  PRODUCT_NOT_VALID_FOR_LOCATION  PRODUCT_OUT_OF_STOCK  RECEIVED_AFTER_CUTOFF_DATE_OR_TIME  SENDER_NOT_AUTHORIZED_FOR_THIS_MESSAGE  STANDARD_STANDARD_BUSINESS_DOCUMENT_STANDARD_TYPE  TO_ARRIVE_BY_SEPARATE_XML_MESSAGE  TYPE  TYPE_VERSION  UNAUTHORIZED_BUSINESS_PROCESS_STATE  UNAUTHORIZED_BUSINESS_SERVICE_ACTION_CODE</p>
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<i>Co-requisites</i>	lastUpdate ( <i>Attribute Date</i> ) creationDateTime ( <i>Attribute dateTime</i> ) documentStatus ( <i>Attribute DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>Attribute, List</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> ) totalMonetaryAmountOfOrderExcludingTaxes ( <i>AmountType</i> ) totalTax ( <i>AmountType</i> )
<i>Optional Elements</i>	contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> )

## 4.6 Order Number

<i>AS5023 Reference</i>	<i>Section: Header</i>	<i>Group: Opening</i>	<i>Element: Order Number</i>
<i>Description/Comments</i>	Reference to the original Purchase Order		
<i>GS1 XML Path</i>	responseToOriginalDocument→referenceIdentification		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: Yes		
	Data Type: String		
	Cardinality: 1..1		
<i>Co-requisites</i>	(Relative to responseToOriginalDocument) →referenceDocumentType ( <i>Attribute, integer</i> )		
<i>Optional Elements</i>	→referenceDateTime ( <i>Attribute, dateTime</i> )		

## 4.7 Reference Document Type

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Order Response Number - Required by GS1		
<i>GS1 XML Path</i>	responseToOriginalDocument→referenceDocumentType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	refer to GS1 documentation for details on this type.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> integer		
	<i>Cardinality:</i> 1..1		

	<p>Allowable values (and their meaning) are:</p> <ul style="list-style-type: none"> <li>1 (Buyer reconciliation of request for payment)</li> <li>2 (Carrier routing instruction)</li> <li>3 (Catalogue item confirmation)</li> <li>4 (Catalogue item link)</li> <li>5 (Catalogue item notification)</li> <li>6 (Catalogue item publication)</li> <li>7 (Catalogue item registration response)</li> <li>8 (Catalogue item subscription)</li> <li>9 (Configure to order)</li> <li>10 (Confirmation of settlement instructions)</li> <li>11 (Control total)</li> <li>12 (Data synchronisation data pool profile)</li> <li>13 (Data synchronisation error)</li> <li>14 (Debit credit advice)</li> <li>15 (Despatch advice)</li> <li>16 (EANUCC response)</li> <li>17 (Event)</li> <li>18 (Exception criteria)</li> <li>19 (Exception notification)</li> <li>20 (Financial institution control total)</li> <li>21 (Forecast)</li> <li>22 (Forecast bulk data)</li> <li>23 (Forecast revision)</li> <li>24 (FTL load tender response)</li> <li>25 (FTL LTL shipment status)</li> <li>26 (FTL LTL shipment status inquiry)</li> <li>27 (Full truckload freight invoice)</li> <li>28 (Full truckload load tender)</li> <li>29 (GDSN exception)</li> <li>30 (Inventory activity or inventory status)</li> <li>31 (Less than truckload freight invoice)</li> <li>32 (LTL carrier bill of lading)</li> <li>33 (Motor fuel carrier bill of lading)</li> <li>34 (Multi ship to order)</li> </ul>	<ul style="list-style-type: none"> <li>35 (Order)</li> <li>36 (Order Response)</li> <li>37 (Party confirmation)</li> <li>38 (Party document)</li> <li>39 (Party notification)</li> <li>40 (Party publication)</li> <li>41 (Party registration)</li> <li>42 (Party registration response)</li> <li>43 (Party subscription)</li> <li>44 (Performance history)</li> <li>45 (Pickup notification LTL)</li> <li>46 (Price bracket document)</li> <li>47 (Price document)</li> <li>48 (Product activity)</li> <li>49 (Product activity bulk data)</li> <li>50 (Receiving advice)</li> <li>51 (Registry catalogue item)</li> <li>52 (Replenishment proposal)</li> <li>53 (Replenishment request)</li> <li>54 (Request for catalogue item notification)</li> <li>55 (Request for party notification)</li> <li>56 (Request for payment)</li> <li>57 (Retail event)</li> <li>58 (Search request)</li> <li>59 (Search result)</li> <li>60 (Settlement)</li> <li>61 (Simple invoice)</li> <li>62 (Small package carrier freight invoice)</li> <li>63 (Small package pickup manifest)</li> <li>64 (SPC shipment status)</li> <li>65 (SPC shipment status inquiry)</li> <li>66 (Trade item document)</li> <li>67 (Trade item information request)</li> <li>68 (Trade item location profile)</li> <li>69 (Warehouse shipping order)</li> </ul>
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<i>Co-requisites</i>	(Relative to responseToOriginalDocument) →referenceIdentification ( <i>Attribute, string</i> )
<i>Optional Elements</i>	→referenceDateTime ( <i>Attribute, dateTime</i> )

## 4.8 Original PO Date

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Opening	<i>Element:</i> Order Change Number
<i>Description/Comments</i>	If the response relates to a PO Change, then both the PO number and PO Change number shall be referenced.		
<i>GS1 XML Path</i>	responseToOriginalDocument→referenceDateTime		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
<i>Schema Constraints</i>	<i>Data Type:</i> dateTime		
<i>Schema Constraints</i>	<i>Cardinality:</i> 0..1		
<i>Schema Constraints</i>	This shall be the <i>lastUpdateDate</i> value from the related <i>multiShipmentOrder</i> message. If <i>lastUpdateDate</i> is blank, then it is the original version of the order and <i>referenceDateTime</i> shall also be blank or excluded.		
<i>Co-requisites</i>	(Relative to responseToOriginalDocument) →referenceDocumentType ( <i>Attribute, integer</i> ) →referenceIdentification ( <i>Attribute, string</i> )		
<i>Optional Elements</i>	None		

## 4.9 Amended Date and Time Value

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Reference Dates	<i>Element:</i> Amended Date/Time Value
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→amendedDateTimeValue		

<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> Complex type
	<i>Cardinality:</i> 0..1
<i>Co-requisites</i>	None
<i>Optional Elements</i>	

#### 4.9.1 Amended Date and Time Value – Required Delivery Date

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Reference Dates	<i>Element:</i> Required Delivery Date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification → amendedDateTimeValue → requestedDeliveryDate → date		
<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		
	The <i>requestedDeliveryDate</i> element is in a Choice group of seven elements. Each handles a different delivery date scenario.		
<i>Co-requisites</i>	None		

<i>Optional Elements</i>	(Relative to orderModification→amendedDateTimeValue) →requestedDeliveryDate→time ( <i>time</i> ) Choice Group →requestedDeliveryDateAtUltimateConsignee ( <i>LogisticalDateType</i> ) →requestedDeliveryDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRangeAtUltimateConsignee ( <i>LogisticalDateRangeType</i> )
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### 4.9.2 Amended Date and Time Value – Latest Delivery

<i>AS5023 Reference</i>	Section: Header	Group: Reference Dates	Element: Deliver not after date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→ amendedDateTimeValue→requestedDeliveryDateRange→latestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: Date		
	Cardinality: 1..1		
	The <i>requestedDeliveryDateRange</i> element is in a Choice group of seven elements. Each handles a different delivery date scenario.		
<i>Co-requisites</i>	(Relative to orderModification→amendedDateTimevalue) →requestedDeliveryDateRange→earliestDate ( <i>date</i> )		



<i>Optional Elements</i>	(Relative to orderModification→amendedDateTimevalue) →requestedDeliveryDateRange→latestTime ( <i>time</i> ) →requestedDeliveryDateRange →earliestTime ( <i>time</i> ) Choice group: →requestedDeliveryDateAtUltimateConsignee ( <i>LogisticalDateType</i> ) →requestedDeliveryDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRangeAtUltimateConsignee ( <i>LogisticalDateRangeType</i> )
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### 4.9.3 Amended Date and Time Value – Earliest Delivery

<i>AS5023 Reference</i>	Section: Header	Group: Reference Dates	Element: Deliver not before date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→ amendedDateTimeValue→requestedDeliveryDateRange →earliestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: Date		
	Cardinality: 1..1		
<i>Co-requisites</i>	(Relative to orderModification→amendedDateTimevalue) →requestedDeliveryDateRange→latestDate ( <i>date</i> )		

<i>Optional Elements</i>	(Relative to orderModification→amendedDateTimeValue) →requestedDeliveryDateRange→earliestTime ( <i>time</i> ) →requestedDeliveryDateRange→lastestTime ( <i>time</i> ) Choice group: →requestedDeliveryDateAtUltimateConsignee ( <i>LogisticalDateType</i> ) →requestedDeliveryDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRangeAtUltimateConsignee ( <i>LogisticalDateRangeType</i> )
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#### 4.9.4 Amended Date and Time Value – Shipping Date

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Reference Dates	<i>Element:</i> Shipping date
<i>Description/Comments</i>	Date on which goods are to be shipped or despatched by the supplier		
<i>GS1 XML Path</i>	orderModification→amendedDateTimeValue→requestedShipDate→date		
<i>Basic Type</i>	Element		
<i>Comments</i>	This is the shipping date as requested by the supplier.		
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: Date		
	Cardinality: 1..1		
	The <i>requestedShipDate</i> element is in a Choice group of seven elements. Each handles a different delivery date scenario.		
<i>Co-requisites</i>	None		

<i>Optional Elements</i>	(Relative to orderModification→amendedDateTimeValue) →requestedShipDate→time Choice group: →requestedDeliveryDateAtUltimateConsignee ( <i>LogisticalDateType</i> ) →requestedDeliveryDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRangeAtUltimateConsignee ( <i>LogisticalDateRangeType</i> )
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#### 4.9.5 Amended Date and Time Value – Delivery Date at Ultimate Consignee

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i>	<i>Element:</i> Requested delivery date at Ultimate Consignee
<i>Description/Comments</i>	Related to Requested Delivery Date		
<i>GS1 XML Path</i>	orderModification→amendedDateTimeValue→requestedDeliveryDateAtUltimateConsignee→date		
<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		
	The <i>requestedDeliveryDateAtUltimateConsignee</i> element is in a Choice group of seven elements. Each handles a different delivery date scenario.		
<i>Co-requisites</i>	None		

<i>Optional Elements</i>	(Relative to orderModification→amendedDateTimeValue) orderModification→amendedDateTimeValue→requestedDeliveryDateAtUltimateConsignee→time Choice group: →requestedDeliveryDateAtUltimateConsignee ( <i>LogisticalDateType</i> ) →requestedDeliveryDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> ) →requestedDeliveryDateRangeAtUltimateConsignee ( <i>LogisticalDateRangeType</i> )
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## 4.10 Supplier

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Party Identification	<i>Element:</i> Supplier
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	seller→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	creationDateTime ( <i>dateTime</i> ) documentStatus ( <i>DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>ResponseStatusListType</i> ) buyer→gln ( <i>Global Location Number</i> )		

<i>Optional Elements</i>	seller→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) seller→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) lastUpdateDate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )
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## 4.11 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>	buyer→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Global Location Number		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	creationDateTime ( <i>dateTime</i> ) documentStatus ( <i>DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>ResponseStatusListType</i> ) seller→gln ( <i>Global Location Number</i> )		

<i>Optional Elements</i>	buyer→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) buyer→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) lastUpdateDate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )
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## 4.12 Line Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Line item	<i>Element:</i> Number
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation→number		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> Yes		
	<i>Data Type:</i> Non-negative Integer		
	<i>Cardinality:</i> 1		
	<i>Cardinality of orderModificationLineItemLevel</i> is 0..1		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →requestedQuantity→value ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Number</i> <sup>1</sup> ) →taxRate ( <i>float</i> )		

<sup>1</sup> This must be padded with 0's to the full 14 characters. See section 1.3

<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →netPrice ( <i>MultiAmountType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> ) →taxRate ( <i>float</i> )
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### 4.13 Original Line Number

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Line item	<i>Element:</i> Original order line item number
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderResponse→ orderModification→ orderModificationLineItemLevel→ originalLineItemNumber		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	Line numbers do not change between the Purchase Order and the Purchase Order Response so there is no need for an additional field to record the original number as a cross reference.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Non-negative Integer		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>			
<i>Optional Elements</i>			

## 4.14 Response Status Line Item

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Provides the response in the order response line item level		
<i>GS1 XML Path</i>	orderResponse→orderModification→orderModificationLineItemLevel→lineItemChangeIndicator		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	Instructions at this level overwrite those made in the Response Status type at the header level of the message.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> list		
	<i>Cardinality:</i> 0..1		
	Allowable values are: ACCEPTED    MODIFIED    REJECTED		
<i>Co-requisites</i>			
<i>Optional Elements</i>			

## 4.15 Action

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Line item	<i>Element:</i> Action
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→lineItemActionCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> List		
	<i>Cardinality:</i> 0..1		
	Allowable values are: ADDITION	CHANGED DELETED	NOT_AMENDED



<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →number ( <i>Non-negative Integer</i> ) →taxRate ( <i>float</i> ) →requestedQuantity→value ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Number<sup>2</sup></i> )
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→modifiedOrderInformation) →modifiedOrderInformation→shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →modifiedOrderInformation →netPrice ( <i>MultiAmountType</i> ) →modifiedOrderInformation →netAmount ( <i>MultiAmountType</i> ) →modifiedOrderInformation →additionalOrderLineInstruction ( <i>LongDescriptionType</i> )

## 4.16 Reason Code (Line)

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Reason Code (Header)		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→orderResponseReasonCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: list		
	Cardinality: 0..*		

<sup>2</sup> This must be padded with 0's to the full 14 characters. See section 1.3

	<p>Allowable values for <i>orderResponseReasonCode</i> are:</p> <p>APPLICATION_ROUTING_ERROR  BUSINESS_SCOPE_BLOCK  CODE_NOT_MAPPED_TO_APPLICATION  CUSTOMER_IDENTIFICATION_NUMBER_AND_ENTITY_NAME_DO_NOT_MATCH  CUSTOMER_IDENTIFICATION_NUMBER_DOES_NOT_EXIST  CUSTOMER_IDENTIFICATION_NUMBER_IS_INVALID  CUSTOMER_IDENTIFICATION_NUMBER_IS_MISSING  DELIVERY_SLOT_MISSED  DELIVERY_SLOT_NOT_VALID_FOR_LOCATION  DISCONTINUED_LINE  DOCUMENT_ENCLOSED_IN_THE_FIRST_TRANSMISSION  DOCUMENT_ENCLOSED_IN_THE_SECOND_TRANSMISSION  DOCUMENT_NOT_ATTACHED  DOCUMENT_NOT_AVAILABLE  DOCUMENT_NOT_REQUIRED_WAIVER_ISSUED  DUPLICATE  GAP_IN_TIME_PERIOD  INCOMPLETE_MESSAGE  INCORRECT_DATE  INSTANCE_IDENTIFIER  INVALID_BUSINESS_PROCESS_CURRENT_STATUS_CODE  INVALID_BUYER_EVENT_IDENTIFICATION  INVALID_BUYER_IDENTIFICATION  INVALID_BUYER_LOCATION_GROUP_IDENTIFICATION  INVALID_BUYER_LOCATION_IDENTIFICATION  INVALID_DATE  INVALID_PRODUCT_BUYER_GROUP_IDENTIFICATION  INVALID_PRODUCT_OR_ITEM_IDENTIFICATION  INVALID_PRODUCT_SELLER_GROUP_IDENTIFICATION  INVALID_SELLER_EVENT_IDENTIFICATION  INVALID_SELLER_IDENTIFICATION  INVALID_SELLER_LOCATION_GROUP_IDENTIFICATION</p>	<p>INVALID_SELLER_LOCATION_IDENTIFICATION  INVALID_STATUS_TRANSITION  INVALID_TIME_PERIOD  ITEM_MARKED_FOR_DELETE  ITEM_NOT_AUTHORIZED  ITEM_TEMPORARILY_NOT_AVAILABLE  MANIFEST_BLOCK  MESSAGE_UNDER_DEVELOPMENT  MISSING_CODE_FOR_APPLICATION  MISSING_DATA  MISSING_EFFECTIVE_MESSAGE_DATE  MISSING_IDENTIFICATION_CODE  MISSING_MESSAGE_REFERENCE_NUMBER  MISSING_OR_INVALID_DUNS_NUMBER  MISSING_OR_INVALID_LOCATION  MISSING_OR_INVALID_MESSAGE_CODE  MISSING_OR_INVALID_SCAC  MISSING_OR_INVALID_UPC_CODE  OTHER_UNLISTED_REASON  OVERLAPPING_TIME_PERIOD  PARTICIPATING_LOCATION  PARTICIPATION_PERCENT  PRODUCT_NOT_VALID_FOR_LOCATION  PRODUCT_OUT_OF_STOCK  RECEIVED_AFTER_CUTOFF_DATE_OR_TIME  SENDER_NOT_AUTHORIZED_FOR_THIS_MESSAGE  STANDARD_STANDARD_BUSINESS_DOCUMENT_STANDARD_TYPE  TO_ARRIVE_BY_SEPARATE_XML_MESSAGE  TYPE  TYPE_VERSION  UNAUTHORIZED_BUSINESS_PROCESS_STATE  UNAUTHORIZED_BUSINESS_SERVICE_ACTION_CODE</p>
<p><i>Co-requisites</i></p>	<p>(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel)  →modifiedOrderInformation (<i>SimpleOrderLineItemType</i>)</p>	

<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel) →substitutionItemIdentification ( <i>TradeItemIdentificationType</i> )
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## 4.17 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>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→tradeItemIdentification→gtin		
<i>Basic Type</i>	Element		
<i>Comments</i>	If modified line data is entered, this is mandatory without exceptions, contrary to the AS5023 standard.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Trade Item Number <sup>3</sup>		
	<i>Cardinality:</i> 1..1		
	Cardinality of <i>orderModificationLineItemLevel</i> is 0..*		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →number ( <i>Attribute, Non-negative Integer</i> ) →taxRate ( <i>float</i> ) →requestedQuantity ( <i>float</i> )		

<sup>3</sup> This must be padded with 0's to the full 14 characters. See section 1.3

<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation→tradeItemIdentification)
	→additionalTradeItemIdentification→additionalTradeItemIdentificationValue ( <i>string</i> )
	→additionalTradeItemIdentification→additionalTradeItemIdentificationType ( <i>AdditionalTradeItemIdentificationListType</i> )
	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation)
	→shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> )
	→netPrice ( <i>MultiAmountType</i> )
	→netAmount ( <i>MultiAmountType</i> )
→additionalOrderLineInstruction ( <i>LongDescriptionType</i> )	
→lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )	

### 4.18 Substitute Product Identifier

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Product identification</i>	<i>Element:</i>
<i>Description/Comments</i>	Related to Product identification - Unique product identifier. This identifies any substitute item that may be offered in lieu of the item originally requested.		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→substituteItemIdentification→gtin		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> Global Trade Item Number <sup>4</sup>		
	<i>Cardinality:</i> 1..1		
	Cardinality of <i>substituteItemIdentification</i> is 0..1		

<sup>4</sup> This must be padded with 0's to the full 14 characters. See section 1.3

<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →number ( <i>Attribute, Non-negative Integer</i> ) →taxRate ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Identification Number<sup>5</sup></i> ) →requestedQuantity ( <i>float</i> )
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→substituteItemIdentification→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationValue ( <i>string</i> ) →additionalTradeItemIdentification→additionalTradeItemIdentificationType ( <i>AdditionalTradeItemIdentificationListType</i> ) (Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →netPrice ( <i>MultiAmountType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>DescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )

## 4.19 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>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Basic Type</i>	Element		
<i>Comments</i>	Any number of <i>additionaltradeItemIdentifications</i> may be used. The co-requisite element <i>additionalTradeItemIdentificationType</i> shall be set to 'BUYER_ASSIGNED'		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> String		
	<i>Cardinality:</i> 1..1		

<sup>5</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

	Cardinality of <i>additionalTradeItemIdentification</i> is 0..*
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationType ( <i>AdditionalTradeItemIdentificationListType</i> )
<i>Optional Elements</i>	None

## 4.20 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>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue		
<i>Basic Type</i>	Element		
<i>Comments</i>	Any number of additional <i>tradeItemIdentifications</i> may be used. The co-requisite element <i>additionalTradeItemIdentificationType</i> shall be set to 'SUPPLIER_ASSIGNED'		
<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..*		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationType ( <i>AdditionalTradeItemIdentificationListType</i> )		
<i>Optional Elements</i>	None		

## 4.21 Additional Trade 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>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→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 orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation→tradeItemIdentification) →additionalTradeItemIdentification→additionalTradeItemIdentificationValue ( <i>string</i> )		
<i>Optional Elements</i>	None		

## 4.22 Quantity

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Quantity	<i>Element:</i> Quantity
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→requestedQuantity→value		
<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 orderModificationLineItemLevel is 0..*
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →number ( <i>Attribute</i> ) →taxRate ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Identification</i> <sup>6</sup> )
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →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> )

## 4.23 Unit of Measure

<i>AS5023 Reference</i>	Section: Detail	Group: Quantity	Element: Unit of Measure
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→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>	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of <i>unitOfMeasure</i> is: 0..1 Allowable values for <i>unitOfMeasure</i> are defined in the EANCOM element 6411.		

<sup>6</sup> This must be padded with 0's to the full 14 characters. See section 1.3.



<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →requestedQuantity→value ( <i>float</i> )
<i>Optional Elements</i>	None

## 4.24 Net Price

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Net price
<i>Description/Comments</i>	This price excludes GST		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation →netPrice→amount→monetaryAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element is optional, however if a price alteration is to be indicated then it must be used.		
<i>Schema Constraints</i>	<i>Mandatory:</i> Optional		
	<i>Data Type:</i> float		
	<i>Cardinality:</i> 1..1		
	Cardinality of <i>netPrice</i> is 0..1		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →netPrice→amount→currencyCode→currencyISOCode ( <i>string</i> ) →number ( <i>Attribute, Non-negative Integer</i> ) →taxRate ( <i>float</i> ) →requestedQuantity→value ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Number<sup>7</sup></i> )		
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )		

<sup>7</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

## 4.25 Net Amount

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Pricing</i>	<i>Element: Net Amount</i>
<i>Description/Comments</i>	Related to Unit Cost. This is the total cost of order line including taxes, allowances, and charges.		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation →netAmount→amount→monetaryAmount		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: float</i>		
	<i>Cardinality: 1..1</i>		
	Cardinality of <i>netAmount</i> is 0..1		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →netAmount→amount→currencyCode→currencyISOCCode ( <i>string</i> ) →number ( <i>Attribute, Non-negative Integer</i> ) →taxRate ( <i>float</i> ) →requestedQuantity→value ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Number<sup>8</sup></i> )		
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →netPrice ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )		

<sup>8</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

## 4.26 Currency

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Payment</i>	<i>Element: Currency</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→netPrice→amount→currencyCode→currencyISOCode orderModification→orderModificationLineItemLevel→modifiedOrderInformation→netAmount→amount→currencyCode→currencyISOCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: String</i>		
	<i>Cardinality: 1..1</i>		
	Currency codes shall be as defined in ISO 4217		
<i>Co-requisites</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→netPrice→amount→monetaryAmount (float) orderModification→orderModificationLineItemLevel→modifiedOrderInformation→netAmount→amount→monetaryAmount (float)		
<i>Optional Elements</i>	None		

## 4.27 Backorder Information

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Back Order</i>	<i>Element: Backorder Information</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: complex type</i>		

	Cardinality: 0..1
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →requestedQuantity→value (float) →tradeItemIdentification→gtin (Global Trade Item Number <sup>9</sup> ) →number (non negative integer)
<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation (ShipmentTransportationInformationType) →netPrice (MultiAmountType) →netAmount (MultiAmountType) →additionalOrderLineInstruction (LongDescriptionType) →lineItemActionCode (OrderLineItemActionCodeListType)

### 4.27.1 Backorder Information – Requested Quantity

<i>AS5023 Reference</i>	Section: Detail	Group: Delivery Details	Element: Requested Quantity
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→requestedQuantity→value		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: float		
	Cardinality: 1..1		
<i>Co-requisites</i>	→requestedQuantity→unitOfMeasure→measurementUnitCodeValue(string)		

<sup>9</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )
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### 4.27.2 Backorder Information – Unit Of Measure

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Unit of Measure
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→requestedQuantity→unitOfMeasure→measurementUnitCodeValue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	→requestedQuantity→value ( <i>float</i> )		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) →requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )		

### 4.27.3 Backorder Information – Ultimate Consignee

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Ultimate Consignee
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→ultimateConsignee→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> 0..*
<i>Co-requisites</i>	→ultimateConsignee→additionalParyIdentification→additionalPartyIdentificationValue →ultimateConsignee→additionalParyIdentification→additionalPartyIdentificationType
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) →requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )

#### 4.27.4 Backorder Information – Ship To

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Ship To
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→shipTo→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> 0..*		
<i>Co-requisites</i>	→shipTo→additionalParyIdentification→additionalPartyIdentificationValue →shipTo→additionalParyIdentification→additionalPartyIdentificationType		

<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) →requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )
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#### 4.27.5 Backorder Information – Date Requested

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→requestedDeliveryDate→Date		
<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		
	Cardinality of orderLogisticsDateGroup is 0..1		
<i>Co-requisites</i>			
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )		

#### 4.27.6 Backorder Information – Latest Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→requestedDeliveryDateRange→latestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> date		
	<i>Cardinality:</i> 0..1		
	Cardinality of orderLogisticsDateGroup is 0..1		
<i>Co-requisites</i>	orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→requestedDeliveryDateRange→earliestDate		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) requestedDeliveryDateRange →earliestTime requestedDeliveryDateRange →latestTime →requestedDeliveryDate→time →requestedShipDate ( <i>LogisticalDateType</i> )		

#### 4.27.7 Backorder Information – Earliest Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→requestedDeliveryDateRange→earliestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			



<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> date
	<i>Cardinality:</i> 0..1
	Cardinality of orderLogisticsDateGroup is 0..1
<i>Co-requisites</i>	orderModification → orderModificationLineItemLevel → backorderInformation → orderLogisticsDateGroup → requestedDeliveryDateRange → latestDate
<i>Optional Elements</i>	(Relative to orderModification → orderModificationLineItemLevel → backorderInformation → orderLogisticsDateGroup →) requestedDeliveryDateRange → earliestTime requestedDeliveryDateRange → latestTime → requestedDeliveryDate → time → requestedShipDate ( <i>LogisticalDateType</i> )

#### 4.27.8 Backorder Information – Requested Ship Date

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Requested Ship Date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification → orderModificationLineItemLevel → backorderInformation → orderLogisticsDateGroup → requestedShipDate → Date		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> date		
	<i>Cardinality:</i> 0..1		
<i>Co-requisites</i>			

<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→orderLogisticsDateGroup→) →requestedShipDate→time → requestedDeliveryDate → requestedDeliveryDateRange
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### 4.27.9 Transport and Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Transport	<i>Element:</i> Transport details by line item
<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>	orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: ShipmentTransportationInformationType (Complex Type)		
	Cardinality: 0..1		
	<i>shipmentTransportInformation</i> is only available at the line level.		
<i>Co-requisites</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation) Number ( <i>Non-negative Integer</i> ) taxRate ( <i>float</i> ) requestedQuantity→value ( <i>float</i> ) tradeItemIdentification→gtin ( <i>Global Trade Item Number</i> <sup>10</sup> )		

<sup>10</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation) →netPrice ( <i>MultiAmountType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )
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#### 4.27.10 Transport and Delivery – Carrier

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation→carrier→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>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation) →transportationMethodType ( <i>Attribute, TransportationMethodTypeCodeList</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →serviceLevelCode ( <i>ServiceLevelCodeListType</i> ) →shipmentSpecialHandlingCode ( <i>ShipmentSpecialHandlingCodeList</i> )		

### 4.27.11 Transport and Delivery – Service Level

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation→serviceLevelCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> 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
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation) →transportationMethodType ( <i>Attribute, TransportationMethodTypeCodeList</i> ) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →shipmentSpecialHandlingCode ( <i>ShipmentSpecialHandlingCodeList</i> )		

### 4.27.12 Transport and Delivery – Special Handling

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation→shipmentSpecialHandlingCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> ShipmentSpecialHandlingCodeList		
	<i>Cardinality:</i> 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
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation) →transportationMethodType ( <i>Attribute, TransportationMethodTypeCodeList</i> ) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →serviceLevelCode ( <i>ServiceLevelCodeList</i> )		

### 4.27.13 Transport and Delivery – Transport Method

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation→transportationMethodType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> TransportationMethodTypeCodeList		
	<i>Cardinality:</i> 0..1		
	Allowable values 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 PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK
<i>Co-requisites</i>	None		

<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→backorderInformation→shipmentTransportationInformation) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →serviceLevelCode ( <i>ServiceLevelCodeList</i> ) →shipmentSpecialHandlingCode ( <i>ShipmentSpecialHandlingCodeList</i> )
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## 4.28 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>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation →taxRate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: AmountType		
	Cardinality: 0..1		
<i>Co-requisites</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →requestedQuantity→value ( <i>float</i> ) →tradeItemIdentification→gtin ( <i>Global Trade Item Number</i> <sup>11</sup> ) →number ( <i>non negative integer</i> )		

<sup>11</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

<i>Optional Elements</i>	(Relative to orderResponse→ orderModification→ orderModificationLineItemLevel→ modifiedOrderInformation) →shipmentTransportationInformation ( <i>ShipmentTransportationInformationType</i> ) →netPrice ( <i>MultiAmountType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )
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## 4.29 Allowances and Charges

<i>AS5023 Reference</i>	<i>Section:</i> Header	<i>Group:</i> Allowances and Charges	<i>Element:</i> Allowance and Charges
<i>Description/Comments</i>	The allowances and charges relating to the order		
<i>GS1 XML Path</i>	orderModification→allowanceCharge		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> AllowanceChargeType		
	<i>Cardinality:</i> 0..*		
<i>Co-requisites</i>			
<i>Optional Elements</i>			



### 4.29.1 Allowances and Charges – Amount or Percentage

<i>AS5023 Reference</i>	<i>Section:</i>	<i>Group:</i>	<i>Element:</i>	
<i>Description/Comments</i>	Refer to Allowances and Charges			
<i>GS1 XML Path</i>	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			
	<i>Data Type:</i> amount→monetaryAmount: Float percentage: PercentageType measurementValue→value: decimal ratePerUnit→allowanceOrChargeRatePerUnit: Non-negative Integer			
	<i>Cardinality:</i> 1..1			
	Cardinality of <i>monetaryAmountOrPercentage</i> is 1..* sequenceNumber shall be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules - typically, GST is the last in the sequence.			
	Allowable values for <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 orderModification→allowanceCharge) →monetaryAmountOrPercentage→amount→currencyCode→currencyISOCODE ( <i>string</i> ) →monetaryAmountOrPercentage→measurementValue→unitOfMeasure ( <i>Attribute, string</i> ) →allowanceChargeType ( <i>Attribute, AllowanceChargeListType</i> ) →sequenceNumber ( <i>Attribute, nonNegativeInteger</i> ) →allowanceOrChargeType ( <i>Attribute, AllowanceOrChargeListType</i> ) →settlementType ( <i>Attribute, SettlementListType</i> )		
<i>Optional Elements</i>			

#### 4.29.2 Allowances and Charges – Charge Type

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

### 4.29.3 Allowances and Charges – Sequence Number

<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→ 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 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>			

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#### 4.29.4 Allowances and Charges – 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>			

<b>Schema Constraints</b>	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
<b>Co-requisites</b>	(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> )		
<b>Optional Elements</b>			

### 4.29.5 Allowances and Charges – Settlement Type

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

### 4.30 Shipment Detail

<i>AS5023 Reference</i>	Section: Detail	Group: Delivery Details	Element: Shipment Details
<i>Description/Comments</i>	Used to specify multiple deliveries for the line item.		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail		

<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> ShipmentDetailType
	<i>Cardinality:</i> 0..*
<i>Co-requisites</i>	
<i>Optional Elements</i>	

### 4.30.1 Shipment Detail – Requested Quantity

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Requested Quantity
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→requestedQuantity→value		
<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		
<i>Co-requisites</i>	→requestedQuantity→unitOfMeasure→measurementUnitCodeValue( <i>string</i> )		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup) →requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )		

### 4.30.2 Shipment Detail – Unit Of Measure

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Delivery Details</i>	<i>Element: Unit of Measure</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→requestedQuantity→unitOfMeasure→measurementUnitCodeValue		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: string</i>		
	<i>Cardinality: 1..1</i>		
<i>Co-requisites</i>	→requestedQuantity→value ( <i>float</i> )		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup) →requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )		

### 4.30.3 Shipment Detail – Ultimate Consignee

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Delivery Details</i>	<i>Element: Ultimate Consignee</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→ultimateConsignee→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: Global Location Number</i>		



	<p><i>Cardinality:</i> 0..*</p> <p>GLN is mandatory if the <i>ultimateConsignee</i> element is used.</p>
<i>Co-requisites</i>	<p>→ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationValue</p> <p>→ultimateConsignee→additionalPartyIdentification→additionalPartyIdentificationType</p>
<i>Optional Elements</i>	<p>(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup)</p> <p>→requestedDeliveryDate→time</p> <p>→ requestedDeliveryDateRange (<i>LogisticalDateRangeType</i>)</p> <p>→requestedShipDate (<i>LogisticalDateType</i>)</p>

#### 4.30.4 Shipment Detail – Ship To

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Ship To
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→shipTo→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> 0..*		
	GLN is mandatory if the <i>shipTo</i> element is used.		
<i>Co-requisites</i>	<p>→shipTo→additionalPartyIdentification→additionalPartyIdentificationValue</p> <p>→shipTo→additionalPartyIdentification→additionalPartyIdentificationType</p>		
<i>Optional Elements</i>	<p>(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup)</p> <p>→requestedDeliveryDate→time</p> <p>→ requestedDeliveryDateRange (<i>LogisticalDateRangeType</i>)</p> <p>→requestedShipDate (<i>LogisticalDateType</i>)</p>		

### 4.30.5 Shipment Detail – Pricing Document Reference

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Pricing	<i>Element:</i> Pricing Document Reference
<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>	orderModification→orderModificationLineItemLevel→ShipmentDetail→purchaseConditions→documentReference→uniqueCreatorIdentification		
<i>Basic Type</i>	Element		
<i>Comments</i>	This element shall be used if a specific line in the authority document is not being quoted		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> string		
	<i>Cardinality:</i> 1..1		
<i>Co-requisites</i>	(Relative to orderModificationLineItemLevel→shipmentDetails→purchaseConditions→documentReference) → number (Non-negative Integer) → documentReference→contentOwner→gln ( <i>Global Location Number</i> ) → documentReference→creationDateTime ( <i>dateTime</i> )		
<i>Optional Elements</i>	(Relative to orderModificationLineItemLevel→shipmentDetails→purchaseConditions→documentReference→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> )		

### 4.30.6 Shipment Detail – 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>	orderModification→orderModificationLineItemLevel→ShipmentDetail→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
	Cardinality of purchaseConditionsGroup is 0..1
<i>Co-requisites</i>	(Relative to orderModificationLineItemLevel→shipmentDetails→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 orderModificationLineItemLevel→shipmentDetails→purchaseConditions→documentLineReference→documentReference→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> )

### 4.30.7 Shipment Detail – Date Requested

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedDeliveryDate→Date		
<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		
	Cardinality of orderLogisticsDateGroup is 0..1 Cardinality of shipmentDetail is 0..*		

<i>Co-requisites</i>	
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→) requestedDeliveryDate→time → requestedDeliveryDateRange ( <i>LogisticalDateRangeType</i> ) →requestedShipDate ( <i>LogisticalDateType</i> )

### 4.30.8 Shipment Detail – Latest Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedDeliveryDateRange→latestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: date		
	Cardinality: 0..1		
	Cardinality of orderLogisticsDateGroup is 0..1 Cardinality of shipmentDetail is 0..*		
<i>Co-requisites</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedDeliveryDateRange→earliestDate		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→) requestedDeliveryDateRange →earliestTime requestedDeliveryDateRange →latestTime →requestedDeliveryDate→time →requestedShipDate ( <i>LogisticalDateType</i> )		

### 4.30.9 Shipment Detail – Earliest Delivery

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Date requested
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedDeliveryDateRange→earliestDate		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> date		
	<i>Cardinality:</i> 0..1		
	Cardinality of orderLogisticsDateGroup is 0..1 Cardinality of shipmentDetail is 0..*		
<i>Co-requisites</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedDeliveryDateRange→latestDate		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→) requestedDeliveryDateRange →earliestTime requestedDeliveryDateRange →latestTime → requestedDeliveryDate→time →requestedShipDate ( <i>LogisticalDateType</i> )		

### 4.30.10 Shipment Detail – Requested Ship Date

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Delivery Details	<i>Element:</i> Requested Ship Date
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→requestedShipDate→Date		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		

	<i>Data Type:</i> date
	<i>Cardinality:</i> 0..1
<i>Co-requisites</i>	
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→shipmentDetail→orderLogisticsDateGroup→) →requestedShipDate→time → requestedDeliveryDate → requestedDeliveryDateRange

### 4.31 Allowances and Charges

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Allowances and Charges	<i>Element:</i> Allowance and Charges
<i>Description/Comments</i>	The allowances and charges relating to the item.		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→allowanceCharge		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> AllowanceChargeType		
	<i>Cardinality:</i> 0..*		
<i>Co-requisites</i>			
<i>Optional Elements</i>			

### 4.31.1 Allowances and Charges – Amount or Percentage

<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>	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			
	<i>Data Type:</i> amount→monetaryAmount: Float percentage: PercentageType measurementValue→value: decimal ratePerUnit→allowanceOrChargeRatePerUnit: Non-negative Integer			
	<i>Cardinality:</i> 1..1			
	Cardinality of <i>monetaryAmountOrPercentage</i> is 1..* sequenceNumber shall be used where there are multiple charges and GST is involved. The calculation sequence is to conform to Australian Tax Office rules - typically, GST is the last in the sequence.			
	Allowable values for <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 orderModification→allowanceCharge) →monetaryAmountOrPercentage→amount→currencyCode→currencyISOCODE ( <i>string</i> ) →monetaryAmountOrPercentage→measurementValue→unitOfMeasure ( <i>Attribute, string</i> ) →allowanceChargeType ( <i>Attribute, AllowanceChargeListType</i> ) →sequenceNumber ( <i>Attribute, nonNegativeInteger</i> ) →allowanceOrChargeType ( <i>Attribute, AllowanceOrChargeListType</i> ) →settlementType ( <i>Attribute, SettlementListType</i> )		
<i>Optional Elements</i>			

### 4.31.2 Allowances and Charges – Charge Type

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	allowanceCharge→allowanceChargeType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	If <i>orderModification</i> → <i>orderModificationLineItemLevel</i> → <i>allowanceCharge</i> is used, then <i>allowanceChargeType</i> is required.		
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> List		
	<i>Cardinality:</i> 1..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 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>			

### 4.31.3 Allowances and Charges – 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>	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 <i>allowanceCharge</i> ) → <i>monetaryAmountOrPercentage</i> ( <i>MonetaryAmountOrPercentageType</i> ) → <i>allowanceChargeType</i> ( <i>Attribute, AllowanceChargeListType</i> ) → <i>allowanceOrChargeType</i> ( <i>Attribute, AllowanceOrChargeListType</i> ) → <i>settlementType</i> ( <i>Attribute, SettlementListType</i> ) → <i>effectiveDateType</i> ( <i>Attribute, EffectiveDateListType</i> )		
<i>Optional Elements</i>			

#### 4.31.4 Allowances and Charges – Allowance or Charge

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Allowances and Charges		
<i>GS1 XML Path</i>	allowanceCharge → allowanceOrChargeType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>	If <i>orderModification</i> → <i>orderModificationLineItemLevel</i> → <i>allowanceCharge</i> is used, then <i>allowanceOrChargeType</i> is required.		

<b>Schema Constraints</b>	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
<b>Co-requisites</b>	(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> )		
<b>Optional Elements</b>			

### 4.31.5 Allowances and Charges – Settlement Type

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

<b>Comments</b>	If <i>orderModification</i> → <i>orderModificationLineItemLevel</i> → <i>allowanceCharge</i> is used, then <i>settlementType</i> is required.		
<b>Schema Constraints</b>	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
<b>Co-requisites</b>	(Relative to <i>allowanceCharge</i> ) → <i>monetaryAmountOrPercentage</i> ( <i>MonetaryAmountOrPercentageType</i> ) → <i>allowanceChargeType</i> ( <i>Attribute, AllowanceChargeListType</i> ) → <i>sequenceNumber</i> ( <i>Attribute, nonNegativeInteger</i> ) → <i>allowanceOrChargeType</i> ( <i>Attribute, AllowanceOrChargeListType</i> ) → <i>effectiveDateType</i> ( <i>Attribute, EffectiveDateListType</i> )		
<b>Optional Elements</b>			

### 4.32 Transport and Delivery

<b>AS5023 Reference</b>	Section: Detail	Group: Transport	Element: Transport details by line item
<b>Description/Comments</b>	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 GSI XML element.		
<b>GSI XML Path</b>	orderModification → orderModificationLineItemLevel → modifiedOrderInformation → shipmentTransportationInformation		

<i>Basic Type</i>	Element
<i>Comments</i>	
<i>Schema Constraints</i>	<i>Mandatory:</i> No
	<i>Data Type:</i> ShipmentTransportationInformationType (Complex Type)
	<i>Cardinality:</i> 0..1
	<i>shipmentTransportInformation</i> is only available at the line level.
<i>Co-requisites</i>	(Relative to orderModification→orderModificationLineItemLevel→modifiedOrderInformation) Number ( <i>Non-negative Integer</i> ) taxRate ( <i>float</i> ) requestedQuantity→value ( <i>float</i> ) tradeItemIdentification→gtin ( <i>Global Trade Item Number</i> <sup>12</sup> )
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→modifiedOrderInformation) →netPrice ( <i>MultiAmountType</i> ) →netAmount ( <i>MultiAmountType</i> ) →additionalOrderLineInstruction ( <i>LongDescriptionType</i> ) →lineItemActionCode ( <i>OrderLineItemActionCodeListType</i> )

### 4.32.1 Transport and Delivery – Carrier

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation→carrier→gln		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		

<sup>12</sup> This must be padded with 0's to the full 14 characters. See section 1.3.

	Data Type: Global Location Number
	Cardinality: 1..1
	If <i>modifiedOrderInformation</i> → <i>shipmentTransportationInformation</i> → <i>carrier</i> is used, then <i>GLN</i> is required.
Co-requisites	None
Optional Elements	(Relative to <i>orderModification</i> → <i>orderModificationLineItemLevel</i> → <i>modifiedOrderInformation</i> → <i>shipmentTransportationInformation</i> ) → <i>transportationMethodType</i> ( <i>Attribute</i> , <i>TransportationMethodTypeCodeList</i> ) → <i>carrier</i> → <i>additionalPartyIdentification</i> → <i>additionalPartyIdentificationValue</i> ( <i>string</i> ) → <i>carrier</i> → <i>additionalPartyIdentification</i> → <i>additionalPartyIdentificationType</i> ( <i>list</i> ) → <i>serviceLevelCode</i> ( <i>ServiceLevelCodeListType</i> ) → <i>shipmentSpecialHandlingCode</i> ( <i>ShipmentSpecialHandlingCodeList</i> )

### 4.32.2 Transport and Delivery – Service Level

AS5023 Reference	Section: Detail	Group:	Element:
Description/Comments	Refer to Transport and Delivery		
GS1 XML Path	orderModification → orderModificationLineItemLevel → modifiedOrderInformation → shipmentTransportationInformation → serviceLevelCode		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: ServiceLevelCodeListType		
	Cardinality: 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
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation) →transportationMethodType ( <i>Attribute, TransportationMethodTypeCodeList</i> ) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →shipmentSpecialHandlingCode ( <i>ShipmentSpecialHandlingCodeList</i> )		

### 4.32.3 Transport and Delivery – Special Handling

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation→shipmentSpecialHandlingCode		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory:</i> No		
	<i>Data Type:</i> ShipmentSpecialHandlingCodeList		
	<i>Cardinality:</i> 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
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation) →transportationMethodType ( <i>Attribute, TransportationMethodTypeCodeList</i> ) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →serviceLevelCode ( <i>ServiceLevelCodeList</i> )		

#### 4.32.4 Transport and Delivery – Transport Method

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i>	<i>Element:</i>
<i>Description/Comments</i>	Refer to Transport and Delivery		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation→transportationMethodType		
<i>Basic Type</i>	Attribute		
<i>Comments</i>			
<i>Schema Constraints</i>	Mandatory: No		
	Data Type: TransportationMethodTypeCodeList		



	<i>Cardinality: 0..1</i>		
	Allowable values 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 PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADTRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK
<i>Co-requisites</i>	None		
<i>Optional Elements</i>	(Relative to orderModification→orderModificationLineItemLevel→modifiedOrderInformation→shipmentTransportationInformation) →carrier→gln ( <i>Global Location Number</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationValue ( <i>string</i> ) →carrier→additionalPartyIdentification→additionalPartyIdentificationType ( <i>list</i> ) →serviceLevelCode ( <i>ServiceLevelCodeList</i> ) →shipmentSpecialHandlingCode ( <i>ShipmentSpecialHandlingCodeList</i> )		

### 4.33 Free Text Instructions

<i>AS5023 Reference</i>	<i>Section: Detail</i>	<i>Group: Special Instructions</i>	<i>Element: Free text instructions</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→additionalOrderLineInstruction→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 <i>additionalOrderLineInstruction</i> is 0..1
<i>Co-requisites</i>	multiShipmentOrderLineItem→additionalOrderLineInstruction→language→languageISOCODE ( <i>string</i> )
<i>Optional Elements</i>	None

### 4.34 Free Text Instructions: Language

<i>AS5023 Reference</i>	<i>Section:</i> Detail	<i>Group:</i> Special Instructions	<i>Element:</i> Free text instructions
<i>Description/Comments</i>	Related to Free Text Instructions - Required by GS1		
<i>GS1 XML Path</i>	orderModification→orderModificationLineItemLevel→modifiedOrderInformation→additionalOrderLineInstruction→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		
	Cardinality of <i>additionalOrderLineInstruction</i> is 0..1 Shall be one of the ISO 639 codes.		
<i>Co-requisites</i>	multiShipmentOrderLineItem→additionalOrderLineInstruction→longText ( <i>string</i> )		
<i>Optional Elements</i>	None		

### 4.35 Total Amount

<i>AS5023 Reference</i>	<i>Section: End</i>	<i>Group: Summary</i>	<i>Element: Monetary Amount excluding GST</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	totalMonetaryAmountOfOrderExcludingTaxes		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: AmountType</i>		
	<i>Cardinality: 0..1</i>		
<i>Co-requisites</i>	totalTax		
<i>Optional Elements</i>	creationDateTime ( <i>Attribute dateTime</i> ) documentStatus ( <i>DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>ResponseStatusListType</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> ) lastUpdate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )		

## 4.36 Total GST

<i>AS5023 Reference</i>	<i>Section: End</i>	<i>Group: Summary</i>	<i>Element: Total Tax</i>
<i>Description/Comments</i>			
<i>GS1 XML Path</i>	totalTax		
<i>Basic Type</i>	Element		
<i>Comments</i>			
<i>Schema Constraints</i>	<i>Mandatory: No</i>		
	<i>Data Type: AmountType</i>		
	<i>Cardinality: 0..1</i>		
<i>Co-requisites</i>	totalMonetaryAmountOfOrderExcludingTaxes		
<i>Optional Elements</i>	creationDateTime ( <i>Attribute dateTime</i> ) documentStatus ( <i>DocumentStatusListType</i> ) responseIdentification ( <i>EntityIdentificationType</i> ) responseToOriginalDocument ( <i>ReferenceDocumentType</i> ) responseStatusType ( <i>ResponseStatusListType</i> ) buyer ( <i>PartyIdentificationType</i> ) seller ( <i>PartyIdentificationType</i> ) lastUpdate ( <i>date</i> ) contentVersion ( <i>VersionType</i> ) documentStructureVersion ( <i>VersionType</i> ) orderModification ( <i>OrderModificationType</i> ) orderResponseReasonCode ( <i>ErrorOrWarningListType</i> )		

## 5 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*

orderResponse

*creationDateTime (attribute)*

*responseStatusType (list)*

*documentStatus (attribute)*

responseIdentification

*uniqueCreatorIdentification (string)*

contentOwner

*gln**creationDateTim (attribute)*

responseToOriginalDocument

*referenceIdentification (string)**referenceDocumentType (list)*

buyer

*gln*

seller

*gln*

orderModification

orderModificationLineItemLevel

modifiedOrderInformation

*number*

## 6 Order Response Message

### 6.1 Order Response Message Sample 1

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

#### SCENARIO

On **8/01/2013 at 10 am**, the Supplier ( **931111111112** ) sent a **Purchase Order Response** numbered ( **POR0001** ) to the Buyer ( **930000000019** ) in reply to their Purchase Order numbered ( **PO0001** ). The Purchase Order was sent on the **7/01/2013 at 10 am**.

In this scenario the Supplier is advising the Buyer that they can fulfil the order as quoted in full ie, “ **without any exceptions**”.

**ORDER RESPONSE – Without Exceptions**

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

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

```
  <sh:StandardBusinessDocumentHeader>
```

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

```
    <sh:Sender>
```

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

```
    </sh:Sender>
```

```
    <sh:Receiver>
```

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

```
    </sh:Receiver>
```

```
    <sh:DocumentIdentification>
```

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

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

```
      <sh:InstanceIdentifier>10002</sh:InstanceIdentifier>
```

```
      <sh:Type>OrderResponse</sh:Type>
```

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

```
      <sh:CreationDateAndTime>2013-01-08T10:00:00.000</sh:CreationDateAndTime>
```

```
    </sh:DocumentIdentification>
```

```
    <sh:BusinessScope>
```

```
      <sh:Scope>
```

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

```
        <sh:InstanceIdentifier>1.7</sh:InstanceIdentifier>
```



```
        </sh:Scope>
    </sh:BusinessScope>
</sh:StandardBusinessDocumentHeader>
<eanucc:message>
    <entityIdentification>
        <uniqueCreatorIdentification>POR0001</uniqueCreatorIdentification>
        <contentOwner>
            <gln>9311111111112</gln>
        </contentOwner>
    </entityIdentification>
    <order:orderResponse creationDateTime="2013-01-08T10:00:00.000" responseStatusType="ACCEPTED"
documentStatus="ORIGINAL">
        <responseIdentification>
            <uniqueCreatorIdentification>POR001-</uniqueCreatorIdentification>
            <contentOwner>
                <gln>9311111111112</gln>
            </contentOwner>
        </responseIdentification>
        <responseToOriginalDocument referenceDocumentType="36" referenceIdentification="PO0001"/>
        <buyer>
            <gln>9300000000019</gln>
        </buyer>
        <seller>
            <gln>9311111111112</gln>
        </seller>
    </order:orderResponse>
</eanucc:message>
```

</sh:StandardBusinessDocument>

## 6.2 Order Response Message Sample 2

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

### SCENARIO

On **8/01/2013 at 10 am**, the Supplier ( **931111111112** ) sent a **Purchase Order Response** numbered ( **POR0001** ) to the Buyer ( **930000000019** ) in reply to their Purchase Order numbered ( **PO0001** ). The Purchase Order was sent on the **7/01/2013 at 10 am**.

In this scenario the Supplier is advising the Buyer that they **cannot** fulfil the order as quoted ie, “ **accepting the order but with exceptions**”.

The Supplier is advising the Buyer that they could only supply **20** of Item ( **0933333333318** ) and not the 40 that was requested in the original Purchase Order.

**ORDER RESPONSE – With Exceptions**

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

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

```
  <sh:StandardBusinessDocumentHeader>
```

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

```
    <sh:Sender>
```

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

```
    </sh:Sender>
```

```
    <sh:Receiver>
```

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

```
    </sh:Receiver>
```

```
    <sh:DocumentIdentification>
```

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

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

```
      <sh:InstanceIdentifier>10002</sh:InstanceIdentifier>
```

```
      <sh:Type>OrderResponse</sh:Type>
```

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

```
      <sh:CreationDateAndTime>2013-01-08T10:00:00.000</sh:CreationDateAndTime>
```

```
    </sh:DocumentIdentification>
```

```
    <sh:BusinessScope>
```

```
      <sh:Scope>
```

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

```
        <sh:InstanceIdentifier>1.7</sh:InstanceIdentifier>
    </sh:Scope>
</sh:BusinessScope>
</sh:StandardBusinessDocumentHeader>
<eanucc:message>
    <entityIdentification>
        <uniqueCreatorIdentification>POR0001</uniqueCreatorIdentification>
        <contentOwner>
            <gln>9311111111112</gln>
        </contentOwner>
    </entityIdentification>
    <order:orderResponse creationDateTime="2013-01-08T10:00:00.000" responseStatusType="MODIFIED"
documentStatus="ORIGINAL">
        <responseIdentification>
            <uniqueCreatorIdentification>POR0001-</uniqueCreatorIdentification>
            <contentOwner>
                <gln>9311111111112</gln>
            </contentOwner>
        </responseIdentification>
        <responseToOriginalDocument referenceDocumentType="34" referenceIdentification="P00001"/>
        <buyer>
            <gln>9300000000019</gln>
        </buyer>
        <seller>
            <gln>9311111111112</gln>
        </seller>
    </orderModification>
```

```
<orderModificationLineItemLevel originalOrderLineItemNumber="2">
  <modifiedOrderInformation number="1">
    <requestedQuantity>
      <value>20</value>
    </requestedQuantity>
    <tradeItemIdentification>
      <gtin>09333333333318</gtin>
    </tradeItemIdentification>
    <lineActionCode>CHANGED</lineActionCode>
  </modifiedOrderInformation>
</orderModificationLineItemLevel>
</orderModification>
</order:orderResponse>
</eanucc:message>
</sh:StandardBusinessDocument>
```

## 7 References

This document is based on the following documents:

Standards Australia 2003, Health Supply Chain Messaging Part 4: Dataset content – Secondary transactions, Standards Australia.

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

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

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