nehta

NEHTA Standard Message Implementation Guidelines for Health e-Procurement

Part 3: GS1 XML Despatch Messages

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Final Release

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Version Control

Version	Nature of Change/Comments
1.5	NEHTA DESADV message to incorporate Version 2.5 of the GS1 XML message 'CrossDockDespatchAdviceExtension'.
	NEHTA Standard Message Implementation Guidelines for Health e-Procurement updated to support Version 2.5 of the GS1 XML standards.
	Version 1 of the NEHTA Standard Message Implementation Guidelines based on Version 2.4 of the GS1 XML standards.
	Version 1.5 changes
	• New attribute **deliveryDateVariance** (refer to Quantity Variances details)
	• Element **deliveryOfTransportTerms** changed from Element to Attribute
	New element **deliveryOrTransportTerms**
	deliveryOfTransportTerms replaced by **deliveryOrTransportTerms** within document
	• Element **purchaseOrder** within header has been changed from data type
	DocumentOrDocumentLineReferenceType to a simpler type, DocumentReferenceType.
	New element **purchaseOrderDocumentOrDocumentLineReference** data type DocumentOrDocumentLineReferenceType added.
	purchaseOrder replaced by **purchaseOrderDocumentOrDocumentLineReference** within document (header only).
	• Element **purchaseConditions** within header has been changed from data type
	DocumentOrDocumentLineReferenceType to a simpler type, DocumentReferenceType.
	New element **purchaseConditionsDocumentOrDocumentLineReference** data type DocumentOrDocumentLineReferenceType added.
	purchaseConditions replaced by **purchaseConditionsDocumentOrDocumentLineReference** within document (header only).
	• New optional element **additionalDeliveryOrTransportTerms**, description data type. Refer header element **deliveryAndTransportInformation**.
	• New optional header element **shipToNameAndAddress**, NameAndAddressType data type.
	• New value 'POOLED_PIGGBYPACK' added to code list for element **modeOfTransport**. Code added for backwood compatability purposes.

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1   Introduction

This document describes the elements of the GS1 XML Despatch Advice message that will be used by Health Jurisdictions and is intended for technical staff who have the responsibility of implementing these messages in their local systems. This information will assist technical staff to correctly populate the Despatch Advice message.

It is presumed that readers have an understanding of XML and an overview of the messages defined in Australian Standard 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 "despatchAdvice" 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 or not 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 sections the table cells are colour coded as follows

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

The table headings are:

- AS5023 Reference

  This provides a link to the specific data element in the AS5023.2-2003 document.

    o Section: This will be one of "Header", "Detail", or "End of Message" as per the headings of the major tables for each data set in the AS5023 document.

    o Group: The title in the first column of the AS5023 table.

    o Element: The Element name as given in the third column of the AS5023 table.

- Description/Comment

  This is a transcription of parts of the Description and Comments columns from the AS5023 table where they help clarify the intent of the data element.

- GS1 XML path

  This is a pseudo XPath to the element that will assist in locating the element within the XML tree. Prefixes etc. are specifically excluded for the sake of simplification.

- Basic Type

One of "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

  Any other information that will assist in the population of the data element. (In some cases, the source of these comments come 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 influence how the element is used.

  - Other constraints are listed following the Cardinality restraint. For example, the allowable values of a list element.

- Co-requisites

  Other elements and attributes which MUST be used if this element is used. The data type is listed after the name of the element/attribute.

- Optional Elements

  Other data elements and attributes which MAY be used if this element is used. The data type is listed after the name of the element/attribute.

When related elements are referred to, particularly in the Co-requisites and Optional Elements sections, a functional bias has been taken in deciding which elements to include or exclude. For example, the co-requisites for *documentStatus* included *contentVersion*, *orderHeaderIndicator*, etc. as they all define control information about the document. *multiShipmentOrderLIneItem* was not included even though it is a mandatory element and is at the same XML level as it defined the contents of the document.

1.2 XML Document Structure and Layers

The Despatch Advice Message elements must be wrapped in the Message Layer element: message. In turn, the Message Layer elements must 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 Despatch Advice Message elements.
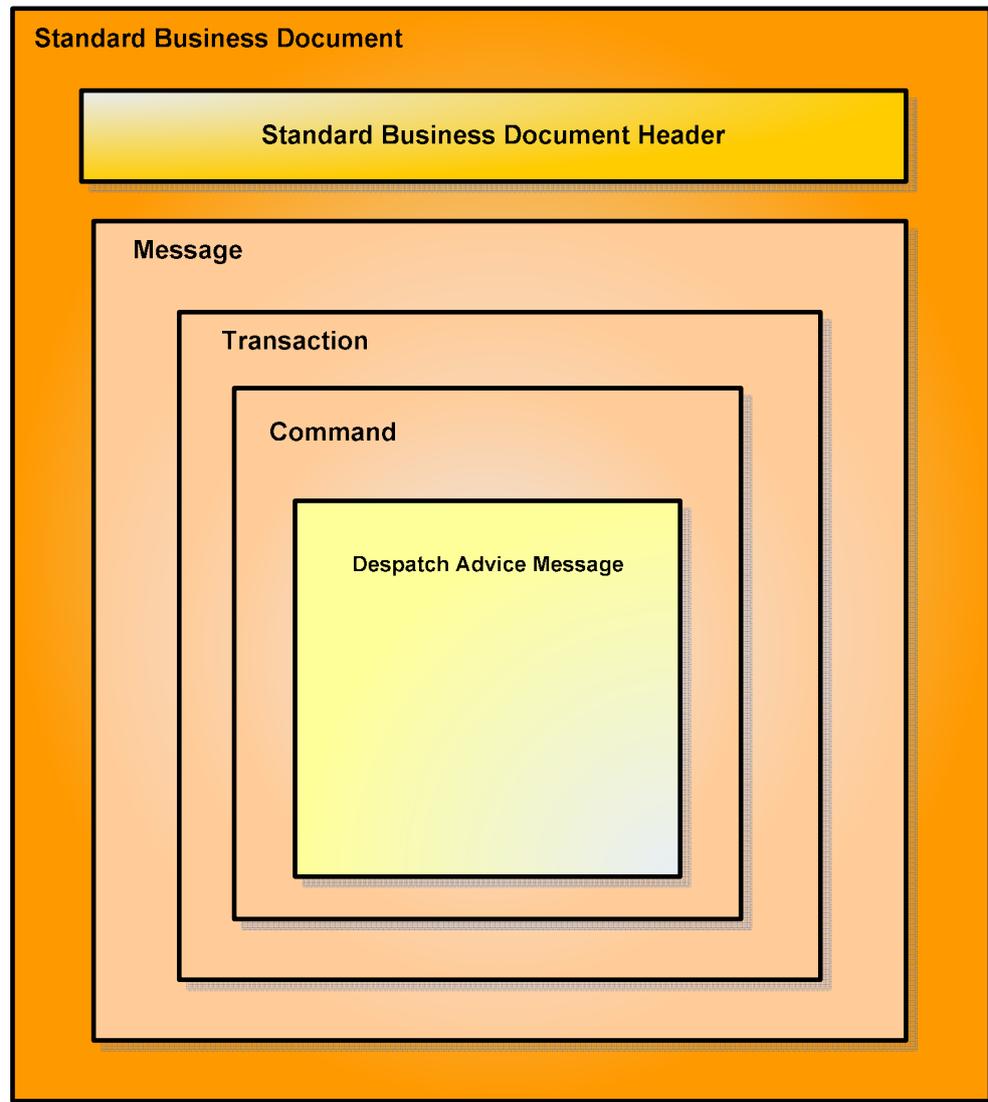
1.3   Global Trade Item Numbers - GTINs

Global Trade Item Numbers are used extensively to identify items. This field MUST contain a 14 digit number, so a 'filler 0' must be added to the front of the number if they are 8, 12, or 13 digit GTINs. For example, 9312345678901 becomes 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

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

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

2.3 Authority

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

2.4 Sender Name

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

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

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 Department in the sending organisation who is able to address issues concerning message delivery, should not contain Personally identifiable information (PII).					
Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact *(string)* →FaxNumber *(string)* →TelephoneNumber *(string)*					
Optional Elements	→ContactTypeIdentifier *(string)*					

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					
	Cardinality: 0..1					
	Fax Number of the sending organisation who is able to address issues concerning message delivery.					
Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact (string) →EmailAddress (string) →TelephoneNumber (string)					
Optional Elements	→ContactTypeIdentifier (string)					

2.7   Sender Phone Number

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	StandardBusinessDocumentHeader→Sender→ContactInformation→ TelephoneNumber					
Basic Type	Element					
Comments	Optional in UN/CEFACT schema definition.					
Schema Constraints	Mandatory: No					
	Data Type: string					
	Cardinality: 0..1					

	Phone Number of the sending organisation who is able to address issues concerning message delivery.
Co-requisites	(Relative to StandardBusinessDocumentHeader→Sender→ContactInformation) →Contact *(string)* →EmailAddress *(string)* →FaxNumber *(string)*
Optional Elements	→ContactTypeIdentifier *(string)*

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 one Receiver element can be used even though the schema allows for multiple elements. The Receiver Identifier must be the GLN of the sending organisation.			
Co-requisites	(Relative to StandardBusinessDocumentHeader→Receiver) →Identifier→Authority *(Attribute - string)* →ContactInformation→Contact *(string)* →ContactInformation→EmailAddress *(string)* →ContactInformation→FaxNumber *(string)* →ContactInformation→TelephoneNumber *(string)*			
Optional Elements	(Relative to StandardBusinessDocumentHeader→Receiver) →ContactInformation→ContactTypeIdentifier *(string)*			

2.9 Authority

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

2.10 Receiver Name

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

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

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 Department in the receiving organisation who is able to address issues concerning message delivery, should 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 the receiving organisation who 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 Standard

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

2.15 Message Document Type Version

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion			
Basic Type	Element			
Comments	GS1 places additional constraints on the original UN/CEFACT schema definition.			
Schema Constraints	Mandatory: Yes			
	Data Type: string			
	Cardinality: 1..1			
	Must be set to the version number of the despatchAdvice schema e.g. "2.5			
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(string)* →InstanceIdentifier *(string)* →Type *(string)* →MultipleType *(boolean)* →CreationDateAndTime *(dateTime)*			
Optional Elements	None			

2.16 Message Document Identification

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

	Cardinality: 1..1
	This element must uniquely identify the instance of the Standard Business Document. That is, no two transmissions will have the same identifier regardless of the type of business document contained, or if a specific business document is transmitted multiple times. This element is used to identify the whole message being transmitted, not the business document contained within the message.
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(string)* →TypeVersion *(string)* →Type *(string)* →MultipleType *(boolean)* →CreationDateAndTime *(dateTime)*
Optional Elements	None

2.17   Message Document Type

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

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

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		
	Must be set to "false". **(NEHTA standard** – only one business document should be sent per transmission.**)**		
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(string)* →TypeVersion *(string)* →InstanceIdentifier *(string)* →Type *(string)* →CreationDateAndTime *(dateTime)*		
Optional Elements	None		

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.			
Schema Constraints	Mandatory: Yes			
	Data Type: dateTime			
	Cardinality: 1..1			
	Must be set to the date and time that the source Despatch Advice was approved/verified in the original system.			
Co-requisites	(Relative to StandardBusinessDocumentHeader→DocumentIdentification) →Standard *(string)* →TypeVersion *(string)* →InstanceIdentifier *(string)* →Type *(string)* →MultipleType *(boolean)*			
Optional Elements	None			

2.20   Business Scope Type

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

	Cardinality: 1..1
	Must be set to "NEHTA:E-Procurement"
Co-requisites	StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier
Optional Elements	StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier

2.21　Business Scope Identifier

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

2.22　"Any"

AS5023 Reference	*Section*:	*Group:*		*Element:*
Description/Comments				
GS1 XML Path	<any>			
Basic Type				

Comments	This is the place holder for the GS1 XML constructs. It must be replaced by the "message" element from the Message Layer group of schema.
Schema Constraints	*Mandatory:*
	Data Type:
	Cardinality:
	Must be replaced with "*message*". See the Message Layer section.
Co-requisites	StandardBusinessDocumentHeader
Optional Elements	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 *despatchAdvice*. *despatchAdvice* 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:
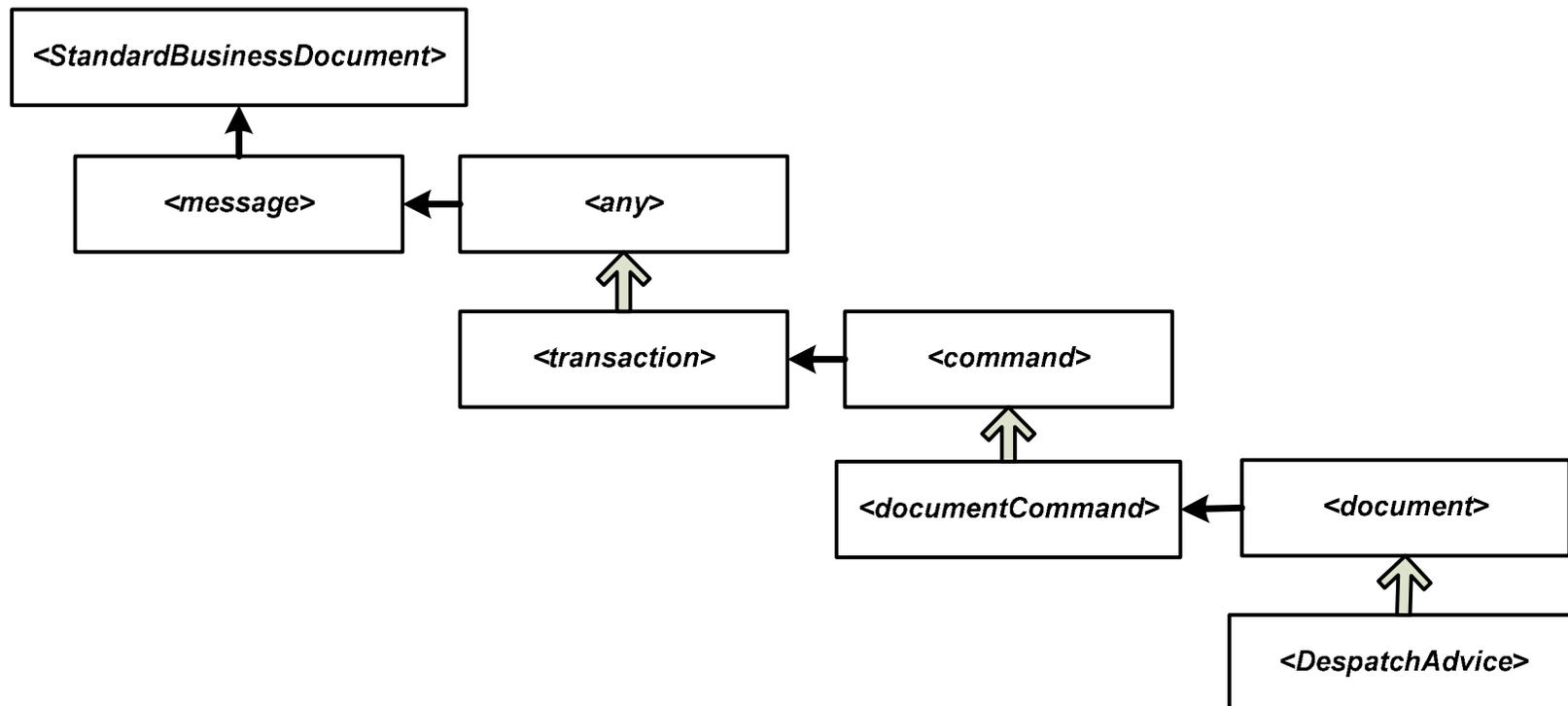
3.1   Message

3.1.1   Message: <any>

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

3.1.2   Message: Identifier

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

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

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 *(Global Location Number)*		
Optional Elements	(Relative to entityIdentification→contentOwner) entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* entityIdentification→contentOwner→additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

3.2   Transaction

3.2.1   Transaction Layer

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

3.2.2   Transaction: Identifier

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→entityIdentification→uniqueCreatorIdentification		
Basic Type	Element		
Comments	This identifies the transaction, and should be distinct from all other identifiers used in the message. (Note: a prefix such as "TRA" is one way to ensure it is distinct.)		
Schema Constraints	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		

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

3.2.3   Transaction: Owner

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

3.2.4   Transaction: Command

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	transaction→"command"		

Basic Type	abstract element
Comments	This abstract element is replaced by the documentCommand element. (It is one of three elements in the command substitution group, and the one that is required for Despatch Advice message.)
Schema Constraints	Mandatory: Yes
	Data Type: command
	Cardinality: 1..1
	Cardinality as defined in the GS1 XML standard is 1..*
Co-requisites	transaction→entityIdentification *(EntityIdentificationType)*
Optional Elements	None

3.3   Document Command

3.3.1   Document Command element

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

3.3.2   Document Command: Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→type		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: List		
	Cardinality: 1..1		
	Allowable values are: ADD CHANGE_BY_REFRESH CORRECT DELETE ADD must be used when a new Despatch Advice is sent. CHANGE_BY_REFRESH must be used when a Despatch Advice is being changed in any way. CORRECT must not be used. DELETE must be used when the Despatch Advice is to be cancelled.		
Co-requisites	(Relative to transaction→command→documentCommand→documentCommandHeader) →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*		
Optional Elements	(Relative to transaction→command→documentCommand→documentCommandHeader→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*		

3.3.3   Document Command: Identifier

AS5023 Reference	Section:	Group:	Element:
Description/Comments			
GS1 XML Path	transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification		

Basic Type	Element
Comments	This identifies the transaction, and should be distinct from all other identifiers used in the message. (Note: a prefix such as "CMD" is one way to ensure it is distinct.)
Schema Constraints	*Mandatory:* Yes
	Data Type: string
	Cardinality: 1..1
Co-requisites	(Relative to transaction→command→documentCommand→documentCommandHeader →entityIdentification→contentOwner) →gln *(Global Location Number)*
Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*

3.3.4   Document Command: Owner

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

Optional Elements	(Relative to transaction→entityIdentification→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*

3.3.5   Document Command: Business Document

AS5023 Reference	*Section*:	*Group*:		*Element*:	
Description/Comments					
GS1 XML Path	transaction→command→documentCommand→documentCommandOperand→document				
Basic Type	abstract element				
Comments	This element is replaced with the Business Document payload i.e. despatchAdvice				
Schema Constraints	*Mandatory:* Yes				
	Data Type: abstract document				
	Cardinality: 1..1				
	Cardinality as defined in the GS1 XML standard is 1..*				
Co-requisites	(Relative to transaction→command→documentCommand→documentCommandHeader) →type *(Attribute list)* →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*				
Optional Elements	(Relative to transaction→command→documentCommand→documentCommandHeader→contentOwner) →additionalPartyIdentification→additionalPartyIdentificationValue *(string)* →additionalPartyIdentification→additionalPartyIdentificationType *(list)*				

4 Business Document Layer Message Elements

This layer covers the Despatch Advice message.

In this section, the GS1 XML path root is:

StandardBusinessDocument→message→transaction→command→documentCommand→documentCommandOperand→despatchAdvice

(XPath: StandardBusinessDocument / eanucc:message / eanucc:transaction / command / eanucc:documentCommand / documentCommandOperand / deliver:despatchAdvice)

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 Comments

This section contains comments on topics impact a number of data elements.

4.1.1 Item Perspective vs Packaging Perspective

The Despatch XML document may be viewed from either an item perspective (*despatchAdviceItemContainmentLineItem* element) or a packaging perspective (*despatchAdviceLogisticsUnitLineItem* element), but not both. The packaging perspective does contain *despatchAdviceItemContainmentLineItem* as a child element, but the data in this element is about the items contained inside the nominated package. A full data set is held by this structure, but for some common views on the Despatch Advice, the data has to be derived rather than extracted. For example, the packaging perspective gives the quantity of each item contained in a package. To get the total quantity of a particular item in the shipment, the quantities of that item in each individual package must be summed together. Similarly, there is no list attached to an item which identifies all the packages in which it is held. However it can be derived in a similar manner to the total shipped quantity of an item.

4.1.2 Expiry Dates, Lot Numbers etc.

The *despatchAdviceLogisticsUnitLineItem* element contains elements for Expiry Dates, Best Before Dates, Shelf Life, Lot Number, Batch Number, and Serial Number. These are all child data elements of a specific item. Consequently if there are multiple values for these elements for the items in the shipment, there must be multiple *despatchAdviceLogisticsUnitLineItem* elements which have the same item GTIN. For example, if in a shipment of 1,000 items, 600 had an Expiry date of 30 June and 400 expired on 31 July, there would be two *despatchAdviceLogisticsUnitLineItem* elements. Both would have the same GTIN, but one would have a quantity of 600 and an Expiry Date of 30 June, and the other a quantity of 400 and Expiry Date of 31 July.

All of these data elements are closely related in practice, so there should be a combined strategy for processing them all.

4.1.3   Original Purchase Order Reference

The AS5023 specification placed the Purchase Order number in the header and the Purchase Order Line in the details section. This has the effect of limiting a Despatch Advice/ASN to a single Purchase Order. The GS1 XML schema has complete Purchase Order reference data at both header and line level (*purchaseOrder* element). In both cases, the Purchase Order reference may be with or without a Purchase Order Line Number.

It is recommended that only the line level Purchase Order reference data be used as this allows a shipment to contain items from multiple Purchase Orders. This will cover all cases, and using only one mechanism will give consistency in processing.

4.1.4   Despatch Advice vs Advance Shipping Notice

This same document serves as both a Despatch Advice and an Advance Shipping Notice (ASN). For a Despatch Advice, the *despatchInformation→actualShipping* element is used. For an ASN, the *despatchInformation→estimatedDelivery* element is used.

4.1.5   Supporting Documents

The GS1 XML schema has elements for several supporting documents, but only Delivery Note and Consignment Note are included in this version of the NEHTA standard. Both the Delivery Note and the Consignment Note can occur at the header level, or at a detail level using either the item level *despatchAdviceItemContainmentLineItem* element, or the packaging level *despatchAdviceLogisticsUnitLineItem* element through the use of the *despatchAdviceItemContainmentLineItem* child element. (As per 4.1.1 Item Perspective vs Packaging Perspective, either the item level or packaging level will be used, but not both.) At the header level only the document number is recorded, but both the document and line number is recorded at the detail level to allow the specific item to be linked to the specific line on the Delivery or Consignment Note.

These elements are all optional based on the schema definition, but if used then both the header and detail level elements must be used.

4.2   Message Function

AS5023 Reference	*Section*: Header	*Group:* Opening	*Element:* Message Function
Description/Comments			
GS1 XML Path	documentStatus		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* Yes		

	Data Type: List
	Cardinality: 1..1
	Allowable values: COPY ORIGINAL REPLACE If REPLACE is used, then *lastUpdateDate* must also be entered.

Co-requisites	creationDateTime *(Attribute dateTime)*
	 despatchAdviceIdentification→uniqueCreatorIdentification *(string)*
	 shipTo→gln *(Global Location Number)*
	 receiver→gln *(Global Location Number)*
	 shipper→gln *(Global Location Number)*
	 Choice – one of:
	       despatchInformation→actualShipping→actualShipDateTime *(dateTime)*
	       despatchInformation→estimatedDelivery→estimatedDeliveryDateTime *(dateTime)*
	       Note: estimatedDeliveryDateTime is itself part of a nested choice group and may be substituted by estimatedDeliveryPeriod
	 Choice – one of:
	       despatchAdviceLogisticUnitLineItem *(DespatchAdviceLogisticUnitLineItemType)*
	       despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

Optional Elements	lastUpdateDate *(Attribute date)*
	contentVersion *(VersionType)*
	documentStructureVersion *(versionType)*
	shipFrom *(PartyIdentificationType)*
	carrier *(PartyIdentificationType)*
	pickUpLocation *(PartyIdentificationType)*
	inventoryLocation *(PartyIdentificationType)*
	purchaseOrderDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)*
	purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	deliveryNote *(ReferenceType)*
	contract *(ReferenceType)*
	productCertification *(ReferenceType)*
	specification *(ReferenceType)*
	declarantsCustomsIdentity *(ReferenceType)*
	consignmentInformation *(ConsignmentInformationType)*
	deliveryAndTransportInformation *(DeliveryAndTransportInformationType)*
	shipToNameAndAddress *(NameAndAddressType)*

4.3　Last Update Date

AS5023 Reference	Section:		Group:		Element:	
Description/Comments	Related to Message Function					
GS1 XML Path	lastUpdateDate					
Basic Type	Attribute					
Comments						
Schema Constraints	*Mandatory:* Yes (NEHTA Requirement)					
	Data Type: date					
	Cardinality: 0..1					

	This attribute must be used if *documentStatus* = "REPLACE"

Co-requisites	→creationDateTime *(dateTime)*
	 →documentStatus *(list)*
	 →despatchAdviceIdentification→uniqueCreatorIdentification *(string)*
	 shipTo→gln *(Global Location Number)*
	 receiver→gln *(Global Location Number)*
	 shipper→gln *(Global Location Number)*
	 Choice – one of:
	     despatchInformation→actualShipping→actualShipDateTime *(dateTime)*
	     despatchInformation→estimatedDelivery→estimatedDeliveryDateTime *(dateTime)*
	     Note: estimatedDeliveryDateTime is itself part of a nested choice group and may be substituted by estimatedDeliveryPeriod
	 Choice – one of:
	     despatchAdviceLogisticUnitLineItem *(DespatchAdviceLogisticUnitLineItemType)*
	 despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

Optional Elements	contentVersion *(VersionType)* documentStructureVersion *(versionType)* shipFrom *(PartyIdentificationType)* carrier *(PartyIdentificationType)* pickUpLocation *(PartyIdentificationType)* inventoryLocation *(PartyIdentificationType)* purchaseOrderDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)* purchaseConditions *(DocumentOrDocumentLineReferenceType)* deliveryNote *(ReferenceType)* contract *(ReferenceType)* productCertification *(ReferenceType)* specification *(ReferenceType)* declarantsCustomsIdentity *(ReferenceType)* consignmentInformation *(ConsignmentInformationType)* deliveryAndTransportInformation *(DeliveryAndTransportInformationType)* shipToNameAndAddress *(NameAndAddressType)*

4.4 Despatch Advice Creation Date

AS5023 Reference	*Section*: Header	*Group:* Opening	*Element:* Despatch advice creation date/time
Description/Comments	Time is optional		
GS1 XML Path	creationDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: dateTime		
	Cardinality: 1..1		

Co-requisites	documentStatus *(Attribute list)*
	despatchAdviceIdentification→uniqueCreatorIdentification *(string)*
	shipTo→gln *(Global Location Number)*
	receiver→gln *(Global Location Number)*
	shipper→gln *(Global Location Number)*
	Choice – one of:
	    despatchInformation→actualShipping→actualShipDateTime *(dateTime)*
	    despatchInformation→estimatedDelivery→estimatedDeliveryDateTime *(dateTime)*
	    Note: estimatedDeliveryDateTime is itself part of a nested choice group and may be substituted by estimatedDeliveryPeriod
	Choice – one of:
	    despatchAdviceLogisticUnitLineItem *(DespatchAdviceLogisticUnitLineItemType)*
	    despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*		

Optional Elements	lastUpdateDate *(Attribute date)*
	contentVersion *(VersionType)*
	documentStructureVersion *(versionType)*
	shipFrom *(PartyIdentificationType)*
	carrier *(PartyIdentificationType)*
	pickUpLocation *(PartyIdentificationType)*
	inventoryLocation *(PartyIdentificationType)*
	purchaseOrderDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)*
	purchaseConditionsDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)*
	deliveryNote *(ReferenceType)*
	contract *(ReferenceType)*
	productCertification *(ReferenceType)*
	specification *(ReferenceType)*
	declarantsCustomsIdentity *(ReferenceType)*
	consignmentInformation *(ConsignmentInformationType)*
	deliveryAndTransportInformation *(DeliveryAndTransportInformationType)*
	shipToNameAndAddress *(NameAndAddressType)*

4.5   Despatch Date

AS5023 Reference	*Section*: Header	*Group:* Opening		*Element:* Despatch date/time
Description/Comments	Time is optional			
GS1 XML Path	despatchInformation→depatchDateTime			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No (NEHTA requirement)			
	Data Type: dateTime			
	Cardinality: 0..1			

Co-requisites	
Optional Elements	despatchInformation→loadingDateTime despatchInformation→pickupDateTime despatchInformation→releaseDateTimeOfSupplier

4.6   Despatch Advice Reference Number

AS5023 Reference	Section: Header	Group: Despatch advice reference number	Element: Despatch advice reference number
Description/Comments			
GS1 XML Path	despatchAdviceIdentification→uniqueCreatorIdentification		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	This identifier is maintained by the Seller and should uniquely identify the Depatch Advice.		

Co-requisites	contentOwner→gln (Global Location Number)
	documentStatus (Attribute list)
	creationDateTime (Attribute dateTime)
	shipTo→gln (Global Location Number)
	receiver→gln (Global Location Number)
	shipper→gln (Global Location Number)
	Choice – one of:
	    despatchInformation→actualShipping→actualShipDateTime (dateTime)
	    despatchInformation→estimatedDelivery→estimatedDeliveryDateTime (dateTime)
	    Note: estimatedDeliveryDateTime is itself part of a nested choice group and may be substituted by estimatedDeliveryPeriod
	Choice – one of:
	    despatchAdviceLogisticUnitLineItem (DespatchAdviceLogisticUnitLineItemType)
	despatchAdviceItemContainmentLineItem (DespatchAdviceItemContainmentLineItemType)		

Optional Elements	(Relative to despatchAdviceIdentification→contentOwner→additionalPartyIdentification) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)* lastUpdateDate *(Attribute date)* contentVersion *(VersionType)* documentStructureVersion *(versionType)* shipFrom *(PartyIdentificationType)* carrier *(PartyIdentificationType)* pickUpLocation *(PartyIdentificationType)* inventoryLocation *(PartyIdentificationType)* purchaseOrderDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)* purchaseConditionsDocumentOrDocumentLineReference *(DocumentOrDocumentLineReferenceType)* deliveryNote *(ReferenceType)* contract *(ReferenceType)* productCertification *(ReferenceType)* specification *(ReferenceType)* declarantsCustomsIdentity *(ReferenceType)* consignmentInformation *(ConsignmentInformationType)* deliveryAndTransportInformation *(DeliveryAndTransportInformationType)* shipToNameAndAddress *(NameAndAddressType)*

4.6.1   Delivery Note (Header Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	deliveryNote→referenceIdentification		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		

Schema Constraints	Mandatory: No
	Data Type: string
	Cardinality: 1..1
Co-requisites	deliveryNote→referenceDateTime *(dateTime)*
Optional Elements	None

4.6.2   Delivery Note Date (Header Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	deliveryNote→referenceDateTime		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 1..1		
Co-requisites	deliveryNote→referenceIdentification *(string)*		
Optional Elements	None		

4.6.3   Delivery Note (Detail Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		

GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) deliveryNote→reference→referenceIdentification
Basic Type	Element
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)
Schema Constraints	*Mandatory:* No
	Data Type: string
	Cardinality: 1..1
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceDateTime *(dateTime)* →number *(Non-negative Integer)*
Optional Elements	None

4.6.4   Delivery Note Date (Detail Level)

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) deliveryNote→reference→referenceDateTime		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 1..1		

Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceIdentification *(string)* →deliveryNote→number *(Non-negative Integer)*
Optional Elements	None

4.6.5   Delivery Note Line Number (Detail Level)

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Despatch Advice Reference Number			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →deliveryNote→number			
Basic Type	Attribute			
Comments	Delivery Note Line Number is not available at the header level. (See 4.1.5 Supporting Documents)			
Schema Constraints	Mandatory: No			
	Data Type: Non-negative Number			
	Cardinality: 1..1			
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceIdentification *(string)* →deliveryNote→reference→referenceDateTime *(dateTime)*			
Optional Elements	None			

4.6.6　Consignment Note (Header Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	consignmentInformation→consignmentIdentification→referenceIdentification		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to consignmentInformation) →consignmentIdentification→referenceDateTime *(dateTime)* →packageInformation→numberOfUnits *(integer)*		
Optional Elements	→consignedItemWeight *(ConsignedItemWeightType)* →unitMeasurement *(UnitMeasurementType)*		

4.6.7　Consignment Note Date (Header Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	consignmentInformation→consignmentInformation→consignmentIdentification→ referenceDateTime		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	Mandatory: No		
	Data Type: DateTime		
	Cardinality: 1..1		

Co-requisites	(Relative to consignmentInformation) →consignmentIdentification→referenceIdentification *(string)* →packageInformation→numberOfUnits *(integer)*
Optional Elements	None

4.6.8   Consignment Note (Detail Level)

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment →reference →referenceIdentification		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment →reference→referenceDateTime *(dateTime)* →consignment →number *(Non-negative Integer)*		
Optional Elements	None		

4.6.9   Consignment Note Date (Detail Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) consignment→reference→ referenceDateTime		
Basic Type	Element		
Comments	If used, then is must be used at both the header and detail levels. (See 4.1.5 Supporting Documents)		
Schema Constraints	Mandatory: No		
	Data Type: DateTime		
	Cardinality: 1..1		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→reference→referenceIdentification (string) →consignment→number (Non-negative Integer)		
Optional Elements	None		

4.6.10   Consignment Note Line Number (Detail Level)

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→number		
Basic Type	Attribute		
Comments	Consignment Note Line Number is not available at the header level. (See 4.1.5 Supporting Documents)		
Schema Constraints	Mandatory: No		

	Data Type: Non-negative Integer
	Cardinality: 1..1
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→reference →referenceIdentification *(string)* →consignment→reference→referenceDateTime *(dateTime)*
Optional Elements	None

4.7   Despatch Advice Creator

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch Advice Reference Number. Required by GS1.		
GS1 XML Path	despatchAdviceIdentification→contentOwner→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		

Co-requisites	uniqueCreatorIdentification *(string)*
	
	documentStatus *(Attribute list)*
	
	creationDateTime *(Attribute dateTime)*
	
	shipTo→gln *(Global Location Number)*
	
	receiver→gln *(Global Location Number)*
	
	shipper→gln *(Global Location Number)*
	
	Choice – one of:
	
	    despatchInformation→actualShipping→actualShipDateTime *(dateTime)*
	
	    despatchInformation→estimatedDelivery→estimatedDeliveryDateTime *(dateTime)*
	
	    Note: estimatedDeliveryDateTime is itself part of a nested choice group and may be substituted by estimatedDeliveryPeriod
	
	Choice – one of:
	
	    despatchAdviceLogisticUnitLineItem *(DespatchAdviceLogisticUnitLineItemType)*
	
	despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

Optional Elements	(Relative to despatchAdviceIdentification→contentOwner→additionalPartyIdentification) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*

4.8   Order Number

AS5023 Reference	*Section*: Header	*Group:* Order details		*Element:* Order Number
Description/Comments				
GS1 XML Path	purchaseOrderDocumentOrDocumentLineReference→documentReference→uniqueCreatorIdentification			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: string			
	Cardinality: 1..1			

	purchaseOrderDocumentOrDocumentLineReference is a complex type which has a choice grouping of documentReference and documentLineReference. Only documentReference should be used at the header level to identify the Purchase Order. The purchaseOrder (DocumentOrDocumentLineReferenceType) structure also exists at the Despatch Advice Line level which can be used to link specific items on the despatch list to specific lines on the original Purchase Order.
Co-requisites	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →creationDateTime *(dateTime)* →contentOwner→gln *(Global Location Number)*
Optional Elements	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*

4.9   Order Date

AS5023 Reference	*Section*: Header	*Group:* Order Details		*Element:* Order date
Description/Comments				
GS1 XML Path	purchaseOrderDocumentOrDocumentLineReference→documentReference→creationDateTime			
Basic Type	Attribute			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: dateTime			
	Cardinality: 1..1			
Co-requisites	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →uniqueCreatorIdentification *(string)* →contentOwner→gln *(Global Location Number)*			

Optional Elements	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*

4.10   Order Creator

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Order Number - Required by GS1				
GS1 XML Path	purchaseOrderDocumentOrDocumentLineReference→documentReference→contentOwner→gln				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: Global Location Number				
	Cardinality: 1..1				
Co-requisites	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →uniqueCreatorIdentification *(string)* →creationDateTime *(dateTime)*				
Optional Elements	(Relative to purchaseOrderDocumentOrDocumentLineReference→documentReference) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*				

4.11   Carrier

AS5023 Reference	Section: Heaer	Group: Carrier	Element: Carrier reference number
Description/Comments	This identifies the carrier used.		
GS1 XML Path	carrier→gln		

Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Co-requisites	None		
Optional Elements	(Relative to carrier) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*		

4.12   Delivery and Despatch Dates

4.12.1   Comments

The delivery date is located within two elements which form a choice group: *estimatedDelivery* and *actualShipping*. Each holds the same information but from a different perspective. The *estimatedDelivery* element should be used unless there is a specific request by the buyer for Actual Shipping data. These two elements also hold the actual shipping date.

The following section describes the component elements just once for both parent elements: *estimatedDelivery* and *actualShipping*. Except as noted, the component elements behave identically in both parent elements. Element paths are stated as relative to either of the parent elements as the name of the parent element is the only difference.

In *estimatedDelivery, estimatedDeliveryDateTime* is mandatory and all other elements are optional.

In *actualShipping, actualShipDateTime* is mandatory and all other elements are optional.

4.12.2   Delivery Date

AS5023 Reference	Section: Header	Group: Delivery and despatch	Element: Despatch date
Description/Comments			
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) estimatedDeliveryDateTime		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 1..1 in *estimatedDelivery* 0..1 in *actualShipping*		
Co-requisites	Refer to 4.12.1 Comments		
Optional Elements	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →actualShipDateTime *(dateTime)* (Refer to 4.12.1 Comments) →estimatedDeliveryPeriod *(TimeOrDateTimePeriod)*		

4.12.3   Actual Ship Date

AS5023 Reference	Section: Header	Group: Delivery and despatch	Element: Despatch date
Description/Comments			
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) actualShipDateTime		
Basic Type	Element		

Comments	
Schema Constraints	*Mandatory:* No
	Data Type: dateTime
	Cardinality: 0..1 in *estimatedDelivery*
	1..1 in *actualShipping*
Co-requisites	Refer to 4.12.1 Comments
Optional Elements	(Relative to either despatchInformation→estimatedDelivery
	or despatchInformation→actualShipping)
	→estimatedDeliveryDateTime *(dateTime)* (Refer to 4.12.1 Comments)
	→estimatedDeliveryPeriod *(TimeOrDateTimePeriod)*

4.12.4   Earliest Delivery Date

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Despatch and Delivery Dates		
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery		
	or despatchInformation→actualShipping)		
	→estimatedDeliveryPeriod→timePeriod→beginDate		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: date		
	Cardinality: 1..1		
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.		
Co-requisites	(Relative to either despatchInformation→estimatedDelivery		
	or despatchInformation→actualShipping)		
	→estimatedDeliveryPeriod→timePeriod→endDate		

Optional Elements	None

4.12.5 Latest Delivery Date

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Despatch and Delivery Dates			
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→timePeriod→endDate			
Basic Type	Attribute			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: date			
	Cardinality: 1..1			
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.			
Co-requisites	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→timePeriod→beginDate			
Optional Elements	None			

4.12.6 Earliest Delivery Date/Time

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Despatch and Delivery Dates			
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→dateTimePeriod→beginDateTime			
Basic Type	Attribute			

Comments	
Schema Constraints	*Mandatory:* No
	Data Type: dateTime
	Cardinality: 1..1
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.
Co-requisites	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→dateTimePeriod→endDateTime
Optional Elements	None

4.12.7 Latest Delivery Date/Time

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch and Delivery Dates		
GS1 XML Path	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→dateTimePeriod→endDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 1..1		
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.		
Co-requisites	(Relative to either despatchInformation→estimatedDelivery or despatchInformation→actualShipping) →estimatedDeliveryPeriod→dateTimePeriod→beginDateTime		
Optional Elements	None		

4.13   Equipment Details

AS5023 Reference	Section: Header	Group: Delivery and despatch	Element: Equipment details
Description/Comments	Container numbers, truck identifiers		
GS1 XML Path	deliveryAndTransportInformation		
Basic Type	Complex Element		
Comments	AS5023 does not provide details on specific equipment details. deliveryAndTransportInformation is a complex element that provides a number of such elements. Details of individual elements follow. Note also the *serialShippingContainerCode* element which is linked to the AS5023 data element *Package identification*.		
Schema Constraints	Mandatory: No		
	Data Type:		
	Cardinality: 0..1		
Co-requisites	Refer to individual elements		
Optional Elements	Refer to individual elements		

4.13.1   Truck Identifier

AS5023 Reference	Section: Header	Group: Delivery and despatch	Element: Equipment details
Description/Comments	Refer to Equipment Details		
GS1 XML Path	deliveryAndTransportInformation→licensePlate		
Basic Type	Element		
Comments	There are no formatting constraints applied to this element.		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 0..1		

Co-requisites	None
Optional Elements	deliveryAndTransportInformation→deliveryOrTransportTerms (INCOTERMS code) deliveryAndTransportInformation→modeOfTransport *(list)* deliveryAndTransportInformation→billOfLadingNumber→referenceDateTime *(dateTime)* deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)* deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*

4.13.2   Transport Mode

AS5023 Reference	*Section*: Header	*Group:* Delivery and despatch		*Element:* Equipment details
Description/Comments	Refer to Equipment Details			
GS1 XML Path	deliveryAndTransportInformation→modeOfTransport			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: List			
	Cardinality: 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	POOL_TO_POOL POOLED_AIR POOLED_PIGGBYPACK POOLED_RAIL POOLED_TRUCK PRIVATE_CARRIER PRIVATE_PARCEL_SERVICE PRIVATE_VESSEL RAIL ROADRAILER SEA_AIR STEAM_SHIP SUPPLIER_TRUCK
Co-requisites	None		
Optional Elements	deliveryAndTransportInformation→deliveryOrTransportTerms *(INCOTERMS code)* deliveryAndTransportInformation→licensePlate *(string)* deliveryAndTransportInformation→billOfLadingNumber→referenceDateTime *(dateTime)* deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)* deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*		

4.13.3   Bill of Lading

AS5023 Reference	*Section*: Header	*Group:* Delivery and despatch	*Element:* Equipment details
Description/Comments	Refer to Equipment Details		
GS1 XML Path	deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		

	Cardinality: 1..1
Co-requisites	deliveryAndTransportInformation→billOfLadingNumber→dateTime *(dateTime)*
Optional Elements	deliveryAndTransportInformation→deliveryOrTransportTerms *(INCOTERMS code)* deliveryAndTransportInformation→licensePlate *(string)* deliveryAndTransportInformation→modeOfTransport *(list)* deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)* deliveryNote→referenceIdentification *(string)* deliveryNote→referenceDateTime *(dateTime)* consignmentInformation→consignmentIdentification→referenceIdentification *(string)* consignmentInformation→packageInformation→numberOfUnits *(integer)*

4.13.4   Bill of Lading Date

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Refer to Equipment Details		
GS1 XML Path	deliveryAndTransportInformation→billOfLadingNumber→referenceDateTime		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 1..1		
Co-requisites	deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)*		

Optional Elements	deliveryAndTransportInformation→deliveryOrTransportTerms *(INCOTERMS code)*
	deliveryAndTransportInformation→licensePlate *(string)*
	deliveryAndTransportInformation→modeOfTransport *(list)*
	deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*
	deliveryNote→referenceIdentification *(string)*
	deliveryNote→referenceDateTime *(dateTime)*
	consignmentInformation→consignmentIdentification→referenceIdentification *(string)*
	consignmentInformation→packageInformation→numberOfUnits *(integer)*

4.13.5   Number of Packages

AS5023 Reference	Section:		Group:		Element:	
Description/Comments	Related to Delivery and Despatch					
GS1 XML Path	consignmentInformation→packageInformation→numberOfUnits					
Basic Type	Element					
Comments	This element is the total number of packages in the shipment. Refer to 4.20 Number of Packages for the number of packages contained within a larger package.					
Schema Constraints	Mandatory: No					
	Data Type: integer					
	Cardinality: 1..1					
	Allowable values for *packageTypeDescriptionCodeValue* are defined in the EANCOM element 7065. Details of this code list can be downloaded from: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm					
Co-requisites	None					

Optional Elements	consignmentInformation→packageInformation→packageType→packageTypeDescriptionCodeValue *(list)*
	deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)*
	deliveryAndTransportInformation→deliveryOrTransportTerms *(INCOTERMS code)*
	deliveryAndTransportInformation→licensePlate *(string)*
	deliveryAndTransportInformation→modeOfTransport *(list)*
	deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*
	deliveryNote→referenceIdentification *(string)*
	deliveryNote→referenceDateTime *(dateTime)*
	consignmentInformation→consignmentIdentification→referenceIdentification *(string)*
	consignmentInformation→consignmentIdentification→referenceDateTime *(dateTime)*

4.13.6   Package Types

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Despatch and Delivery				
GS1 XML Path	consignmentInformation→packageInformation→packageType→packageTypeDescriptionCodeValue				
Basic Type	Element				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: list (Definitions in EANCOM element 7065)				
	Cardinality: 0..1				
	Allowable values for *packageTypeDescriptionCodeValue* are defined in the EANCOM element 7065. Details of this code list can be downloaded from: **http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm**				
Co-requisites	consignmentInformation→packageInformation→numberOfUnits *(integer)*				

Optional Elements	deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)*
	deliveryAndTransportInformation→deliveryOrTransportTerms *(INCOTERMS code)*
	deliveryAndTransportInformation→licensePlate *(string)*
	deliveryAndTransportInformation→modeOfTransport *(list)*
	deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*
	deliveryNote→referenceIdentification *(string)*
	deliveryNote→referenceDateTime *(dateTime)*
	consignmentInformation→consignmentIdentification→referenceIdentification *(string)*
	consignmentInformation→consignmentIdentification→referenceDateTime *(dateTime)*

4.14   Additional Information

AS5023 Reference	Section: Header	Group: Delivery and Despatch	Element: Additional delivery information
Description/Comments			
GS1 XML Path	deliveryAndTransportInformation→deliveryOrTransportTerms		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: List		
	Cardinality:		
	Allowable values are: CFR CIF CIP CPT	DAF DDP DDU DEQ DES	EXW FAS FCA FOB
Co-requisites	None		

Optional Elements	deliveryAndTransportInformation→licensePlate *(string)*
	deliveryAndTransportInformation→modeOfTransport *(list)*
	deliveryAndTransportInformation→billOfLadingNumber→referenceDateTime *(dateTime)*
	deliveryAndTransportInformation→billOfLadingNumber→referenceIdentification *(string)*
	deliveryAndTransportInformation→additionalDeliveryOrTransportTerms *(string)*

4.15   Buyer

AS5023 Reference	*Section*: Header	*Group:* Party Identification		*Element:* Buyer
Description/Comments				
GS1 XML Path	receiver→gln			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* Yes			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Co-requisites	shipper→gln *(Global Location Number)*			
	shipTo→ gln *(Global Location Number)*			
Optional Elements	receiver→additionalPartyIdentification→additionalPartyIdentificationValue *(string)*			
	receiver→additionalPartyIdentification→additionalPartyIdentificationType *(List)*			

4.16   Supplier

AS5023 Reference	*Section*: Header	*Group:* Party Identification		*Element:* Supplier
Description/Comments				
GS1 XML Path	shipper→gln			

Basic Type	Element
Comments	The Supplier should also be the document owner in the *despatchAdviceIdentification* element.
Schema Constraints	*Mandatory:* Yes
	Data Type: Global Location Number
	Cardinality: 1..1
	despatchAdviceIdentification→contentOwner→gln must have the same value.
Co-requisites	shipTo→gln *(Global Location Number)* receiver→gln *(Global Location Number)* despatchAdviceIdentification→contentOwner→gln *(Global Location Number)* despatchAdviceIdentification→uniqueCreatorIdentification *(string)*
Optional Elements	shipper→additionalPartyIdentification→additionalPartyIdentificationValue *(string)* shipper→additionalPartyIdentification→additionalPartyIdentificationType *(List)*

4.17   Ship To Location

AS5023 Reference	*Section*: Header	*Group:* Party Identification	*Element:* Ship to location
Description/Comments			
GS1 XML Path	shipTo→gln		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* Yes		
	Data Type: Global Location Number		
	Cardinality: 1..1		
Co-requisites	receiver→gln *(Global Location Number)* shipper→gln *(Global Location Number)*		

Optional Elements	shipTo →additionalPartyIdentification→additionalPartyIdentificationValue *(string)*
	shipTo →additionalPartyIdentification→additionalPartyIdentificationType *(List)*

4.18   Packaging Level

AS5023 Reference	*Section*: Detail	*Group:* Packaging		*Element:* Packaging level
Description/Comments	Entire shipment, outer, intermediate, or inner			
GS1 XML Path	despatchAdviceLogisticsUnitLineItem→levelId→levelIdentification			
Basic Type	Element			
Comments	See also 4.18.1 Parent Packaging Level.			
Schema Constraints	*Mandatory:* No			
	Data Type: Integer			
	Cardinality: 1..1			
Co-requisites	despatchAdviceLogisticsUnitLineItem→logisticUnitIdentification→serialShipmentContainerCode→ serialShippingContainerCode			
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem)			
	→quantityOfChildren *(integer)*			
	→packageType→packageTypeDescriptionCodeValue *(string)*			
	→childPackageType→packageTypeDescriptionCodeValue *(string)*			
	→logisticUnitMeasurement *(LogisticUnitMeasurementType)*			
	→parentLevelId→levelIdentification *(integer)*			
	→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*			

4.18.1   Parent Packaging Level

AS5023 Reference	*Section*:	*Group:*		*Element:*
Description/Comments	Related to Packaging Level			

GS1 XML Path	despatchAdviceLogisticsUnitLineItem→parentLevelId→levelIdentification		
Basic Type	Element		
Comments	See also Packaging Level 4.18 Packaging Level. Specifiying the link to the Parent Package ID allows flexibility in the definition of the IDs.		
Schema Constraints	Mandatory: No		
	Data Type: Integer		
	Cardinality: 1..1		
Co-requisites	despatchAdviceLogisticsUnitLineItem→logisticUnitIdentification→serialShipmentContainerCode→ serialShippingContainerCode		
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem) →quantityOfChildren (integer) →packageType→packageTypeDescriptionCodeValue (string) →childPackageType→packageTypeDescriptionCodeValue (string) →logisticUnitMeasurement (LogisticUnitMeasurementType) →levelId→levelIdentification (integer) →despatchAdviceItemContainmentLineItem (DespatchAdviceItemContainmentLineItemType)		

4.19   Packaging Type

AS5023 Reference	Section: Detail	Group: Packaging	Element: Packaging
Description/Comments			
GS1 XML Path	despatchAdviceLogisticsUnitLineItem→packageType→packageTypeDescriptionCodeValue		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		

	For the elements of this list, refer to the EANCOM element 7065 which contains a codelist based on UN/ECE Recommendation No. 21. It is available on the web at: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem) →quantityOfChildren *(integer)* →childPackageType→packageTypeDescriptionCodeValue *(string)* →logisticUnitMeasurement *(LogisticUnitMeasurementType)* →levelId→levelIdentification *(integer)* →parentLevelId→levelIdentification *(integer)* →despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

4.19.1   Child Package Type

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Packaging		
GS1 XML Path	despatchAdviceLogisticsUnitLineItem→packageType→childpackageTypeDescriptionCodeValue		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	For the elements of this list, refer to the EANCOM element 7065 which contains a codelist based on UN/ECE Recommendation No. 21. It is available on the web at: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm		
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*		

Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem)
	→quantityOfChildren *(integer)*
	→PackageType→packageTypeDescriptionCodeValue *(string)*
	→logisticUnitMeasurement *(LogisticUnitMeasurementType)*
	→levelId→levelIdentification *(integer)*
	→parentLevelId→levelIdentification *(integer)*
	→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

4.20   Number of Packages

AS5023 Reference	*Section*: Detail	*Group:* Packaging		*Element:* Packaging
Description/Comments				
GS1 XML Path	despatchAdviceLogisticsUnitLineItem→quantityOfChildren			
Basic Type	Element			
Comments	This element is the number of packages within the package being described. Refer to 4.13.5 Number of Packages for the total number of packages in the shipment.			
Schema Constraints	*Mandatory:* No			
	Data Type: integer			
	Cardinality: 0..1			
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*			
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem)			
	→ packageType→packageTypeDescriptionCodeValue *(list)*			
	→childPackageType→packageTypeDescriptionCodeValue *(string)*			
	→logisticUnitMeasurement *(LogisticUnitMeasurementType)*			
	→levelId→levelIdentification *(integer)*			
	→parentLevelId→levelIdentification *(integer)*			
	→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*			

4.21   Package Measurements

AS5023 Reference	Section: Detail	Group: Packaging	Element: Measurements
Description/Comments			
GS1 XML Path	despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement		
Basic Type	Complex Type		
Comments	This is a complex type which can record the lineal dimensions of the package as well as weight and volume measurements.		
Schema Constraints	Mandatory: No		
	Data Type: logisticUnitMeasurementType		
	Cardinality: 0..1		
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*		
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem) →quantityOfChildren *(integer)* → packageType→packageTypeDescriptionCodeValue *(list)* →childPackageType→packageTypeDescriptionCodeValue *(string)* →levelId→levelIdentification *(integer)* →parentLevelId→levelIdentification *(integer)* →despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*		

4.21.1   Package Lineal Dimensions

AS5023 Reference	Section: Detail	Group: Packaging	Element: Measurements
Description/Comments			

GS1 XML Path	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→packageDimension) →packageLength→measurementValue→value →packageHeight→measurementValue→value →packageWidth→measurementValue→value
Basic Type	Element
Comments	All three elements behave in the same way, so they are treated as one in this document. The difference is only in their naming.
Schema Constraints	Mandatory: No
	Data Type: decimal
	Cardinality: 1..1
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→packageDimension) →packageLength→measurementValue→unitOfMeasure (Attribute, string) →packageHeight→measurementValue→unitOfMeasure (Attribute, string) →packageWidth→measurementValue→unitOfMeasure (Attribute, string)
Optional Elements	despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement (UnitMeasurementType)

4.21.2   Package: Other Measurements

AS5023 Reference	Section: Detail	Group: Packaging	Element: Measurements
Description/Comments			
GS1 XML Path	despatchAdviceLogisticUnitLineItem→logisticUnitMeasurement→unitMeasurement→measurementValue→value		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: decimal		
	Cardinality: 1..1		

Allowable values for *measurementType* are: DECLARED_NET_WEIGHT	GROSS_VOLUME NET_VOLUME TARE_WEIGHT	TOTAL_GROSS_WEIGHT UNIT_GROSS_WEIGHT UNIT_NET_WEIGHT	
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement) →measurementValue→ unitOfMeasure *(string)* →measurementType *(list)*		
Optional Elements	None		

4.21.3 Package: Measurement Type

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Packaging Measurements		
GS1 XML Path	despatchAdviceLogisticUnitLineItem→logisticUnitMeasurement→unitMeasurement→measurementType		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: list		
	Cardinality: 1..1		
	Allowable values for are: DECLARED_NET_WEIGHT	GROSS_VOLUME NET_VOLUME TARE_WEIGHT	TOTAL_GROSS_WEIGHT UNIT_GROSS_WEIGHT UNIT_NET_WEIGHT
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement) →measurementValue→ unitOfMeasure *(string)* → measurementValue→value *(decimal)*		
Optional Elements	None		

4.21.4 Package: Unit of Measure

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Packaging Measurements		
GS1 XML Path	despatchAdviceLogisticUnitLineItem→logisticUnitMeasurement→unitMeasurement→measurementValue→unitOfMeasure		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Allowable values for *unitOfMeasure* are defined in the EANCOM element 6411. Details of this code list can be downloaded from: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8b.htm		
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement) →measurementValue→ value *(decimal)* →measurementType *(list)*		
Optional Elements	None		

4.22 Quantity per Package

AS5023 Reference	Section: Detail	Group: Packaging	Element: Quantity per package
Description/Comments			
GS1 XML Path	despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityContained→value		
Basic Type	Element		

Comments	If multiple batches are contained within the package, then use one despatchAdviceItemContainmentLineItem element per batch. Because *despatchAdviceLogisticsUnitLineItem* and *despatchAdviceItemContainmentLineItem* are members of the same choice group, the message cannot contain <u>both</u> the total quantity of an item per despatch and the quantity of an item contained within a package. If the quantity per package option is used, then the total quantity for the despatch can be derived by summing the quantity per package values for the despatch.
Schema Constraints	*Mandatory:* No
	Data Type: float
	Cardinality: 1..1
	This element is mandatory if *despatchAdviceLogisticUnitLineItem* is used.
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →number *(nonNegativeInteger)* →containedItemIdentification→gtin *(Global Trade Item Number[1])*

1.1   [1] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem)
	→requestedItemIdentification→gtin *(Global Trade Item Number[2])*
	→productCertification *(DetailLevelReferenceType)*
	→promotionalDeal *(DetailLevelReferenceType)*
	→customer *(DetailLevelReferenceType)*
	→specification *(DetailLevelReferenceType)*
	→deliveryNote *(DetailLevelReferenceType)*
	→consignment *(DetailLevelReferenceType)*
	→contract *(DetailLevelReferenceType)*
	→purchaseOrder *(DocumentOrDocumentLineReferenceType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→listForEachItem *(SpecifItemDataType)*
	→extendedAttributes *(TransactionalItemDataType)*
	→requestedQuantity *(QuantityType)*
	→freeGoodsQuantity *(QuantityType)*
	→quantityVariance *(QuantityVarianceType)*
	→countryOfLastProcessing *(ISO3166_1CodeType)*
	→countryOfOrigin *(ISO3166_1CodeType)*
	→locationOfLastProcessing *(LocationInformationType)*
	→locationOfOrigin *(LocationInformationType)*

1.2　[2] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

4.23   Package Identification

AS5023 Reference	Section: Detail	Group: Packaging	Element: Package Identification
Description/Comments			
GS1 XML Path	despatchAdviceLogisticUnitLineItem→logisticUnitIdentification→serialShipmentContainerCode→serialShippingContainerCode		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Mandatory if despatchAdviceLogisticUnitLineItem is used.		
Co-requisites	None		
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem→logisticUnitIdentification) →additionalLogisticUnitIdentification→logisticUnitIdentification *(string)*		

4.24   Line Number

AS5023 Reference	Section: Detail	Group: Line Item	Element: Line number
Description/Comments			
GS1 XML Path	despatchAdviceItemContainmentLineItem→number		
Basic Type	Attribute		
Comments	Line numbers are used if the Despatch Advice is written from the item perspective i.e. using the *despatchAdviceItemContainmentLineItem* element. It may also be written from the items within a package perspective which shows the hierarchical relationship between all the packages in the shipment i.e. using the *despatchAdviceLogisticUnitLineItem* element containing the *despatchAdviceItemContainmentLineItem* element. In this case the line numbers refer to the individual items within the package.		
Schema Constraints	Mandatory: No		
	Data Type: Non-negative Integer		

	Cardinality: 1..1
	This is mandatory if *despatchAdviceItemContainmentLineItem* is used.
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→gtin *(Global Trade Item Number[3])* →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →quantityContained→value *(float)*

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

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

Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification→gtin *(Global Trade Item Number[4])* →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →listForEachItem *(SpecifItemDataType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

1.4 [4] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

4.25   Unique Product Identifier

AS5023 Reference	Section: Detail	Group: Product Identifier	Element: Unique product identifier
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→gtin		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Global Trade Item Number[5]		
	Cardinality: 1..1		
	This is mandatory if *despatchAdviceItemContainmentLineItem* is used.		

1.5   [5] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

| Co-requisites | (Relative to despatchAdviceItemContainmentLineItem
      or   despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
→number *(Non-negative Number)*
→quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)*
→quantityContained→value *(float)* |

Optional Elements	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification→gtin *(Global Trade Item Number[6])* →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →listForEachItem *(SpecifItemDataType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

1.6   [6] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

4.26 Requested Item Identifier

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Unique Product Identifier		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification→gtin		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Global Trade Item Number[7]		
	Cardinality: 1..1		
	This item must be used if the item supplied is different to the one requested.		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →number *(Non-negative Number)* →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →quantityContained→value *(float)* →containedItemIdentification→gtin *(Global Trade Item Number[8])*		

1.7 [7] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Optional Elements	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →listForEachItem *(SpecifItemDataType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

1.8   [8] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

4.27   Additional Product Information

AS5023 Reference	Section: Detail	Group: Product Identifier	Element: Additional product information
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→additionalTradeItemIdentification→ additionalTradeItemIdentificationValue		
Basic Type	Element		
Comments	Additional Product Information can be used to identifiy the product additionally with a Buyer Product Code or a Supplier product code or both;		
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) containedItemIdentification→additionalTradeItemIdentificationType		
Optional Elements	None		

4.28   Additional Product Information Type

AS5023 Reference	Section: Detail	Group: Product Identifier	Element: Additional product information
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→additionalTradeItemIdentification→ additionalTradeItemIdentificationType		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		

	Data Type: list
	Cardinality: 1..1
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) containedItemIdentification→additionalTradeItemIdentificationValue
Optional Elements	None

4.29   Despatched Quantities

AS5023 Reference	*Section*: Detail	*Group:* Item Detail	*Element:* Quantities
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) despatchAdviceItemContainmentLineItem→quantityContained→value		
Basic Type	Element		
Comments	Because *despatchAdviceLogisticsUnitLineItem* and *despatchAdviceItemContainmentLineItem* are members of the same choice group, the message cannot contain both the total quantity of an item per despatch and the quantity of an item contained within a package. If the quantity per package option is used, then the total quantity for the despatch can be derived by summing the quantity per package values for the despatch.		
Schema Constraints	*Mandatory:* No		
	Data Type: float		
	Cardinality: 1..1		
Co-requisites	None		

| Optional Elements | (Relative to   despatchAdviceItemContainmentLineItem
         or   despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
→quantityContained→unitOfMeasure→ measurementUnitCodeValue *(string)* |

4.30   Ordered Quantity

AS5023 Reference	Section: Detail	Group: Item Detail	Element: Quantities
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedQuantity→value		
Basic Type	Element		
Comments	Because *despatchAdviceLogisticsUnitLineItem* and *despatchAdviceItemContainmentLineItem* are members of the same choice group, the message cannot contain <u>both</u> the total quantity of an item per despatch and the quantity of an item contained within a package. If the quantity per package option is used, then the total quantity for the despatch can be derived by summing the quantity per package values for the despatch.		
Schema Constraints	Mandatory: No		
	Data Type: float		
	Cardinality: 1..1		
Co-requisites	None		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedQuantity→unitOfMeasure→ measurementUnitCodeValue *(string)*		

4.31   Batch Number

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Item Details		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→batchNumber		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 0..1		
Co-requisites	None		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→extendedAttributes or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→extendedAttributes) availableForSaleDate *(date)* bestBeforeDate *(date)* countryOfOrigin *(list)* itemExpirationDate *(date)* lotNumber *(string)* packagingDate *(date)* productionDate *(date)* productQualityIndication *(QuantityType)* sellByDate *(date)* shelfLife *(string)* transactionalItemWeight *(UnitMeasurementType)*		

4.32   Serial Numbers

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Item Details		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →listForEachItem→serialNumber		
Basic Type			
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of *listForEachItem* is 0..*		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →number *(Attribute, Non-negative Integer)* →quantityContained→value *(float)*		

Optional Elements	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification *(TradeItemIdenfiticationType)* →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

4.33   Expiry Date

Note: AS5023 identifies an Estimated Delivery Date as a data element at the item level. Delivery Dates apply to the whole shipment and so are held at the header level.

AS5023 Reference	*Section*: Detail	*Group:* Item details		*Element:* Dates
Description/Comments	The dates identified in AS5023 are: estimated delivery date; expiry date; best before date.			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→itemExpirationDate			

Basic Type	Element
Comments	If there are multiple Expiry Dates for the item being despatched, then multiple *despatchAdviceItemContainmentLineItem* elements must be used. The strategy for processing multiple Expiry Dates will be linked to the strategies for Best Before Dates (4.34), Batch Numbers(4.31), and Serial Numbers (4.32).
Schema Constraints	*Mandatory:* No
	Data Type: date
	Cardinality: 0..1
Co-requisites	None
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→extendedAttributes or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→extendedAttributes) availableForSaleDate *(date)* batchNumber *(string)* bestBeforeDate *(date)* countryOfOrigin *(list)* lotNumber *(string)* packagingDate *(date)* productionDate *(date)* productQualityIndication *(QuantityType)* sellByDate *(date)* shelfLife *(string)* transactionalItemWeight *(UnitMeasurementType)*

4.34   Best Before Dates

AS5023 Reference	Section: Detail	Group: Item details	Element: Dates
Description/Comments	The dates identified in AS5023 are: estimated delivery date; expiry date; best before date.		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→bestBeforeDate		
Basic Type	Element		
Comments	If there are multiple Best Before Dates for the item being despatched, then multiple *despatchAdviceItemContainmentLineItem* elements must be used. The strategy for processing multiple Best Before Dates will be linked to the strategies for Expiry Dates (4.33), Batch Numbers(4.31), and Serial Numbers(4.32).		
Schema Constraints	Mandatory: No		
	Data Type: date		
	Cardinality: 0..1		
Co-requisites	None		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→extendedAttributes or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→extendedAttributes) availableForSaleDate *(date)* batchNumber *(string)* countryOfOrigin *(list)* itemExpirationDate *(date)* lotNumber *(string)* packagingDate *(date)* productionDate *(date)* productQualityIndication *(QuantityType)* sellByDate *(date)* shelfLife *(string)* transactionalItemWeight *(UnitMeasurementType)*		

4.35   Order Line Number

AS5023 Reference	*Section*: Detail	*Group:* Item details	*Element:* Order Line Number
Description/Comments	This is a reference to the line number in the original Purchase Order.		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →purchaseOrder→documentLineReference→number		
Basic Type	Element		
Comments	The PurchaseOrder element exists at header level (purchaseOrderDocumentOrDocumentLineReference), item level (purchaseOrder), and package item level (purchaseOrder). The item level or package item level version must be used. The schema structure mandates that only one of these two can be used at any one time. The details in this section apply to both versions.		
Schema Constraints	*Mandatory:* No		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		
Co-requisites	None		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →documentReference→uniqueCreatorIdentification *(string)* →documentReference→contentOwner→gln *(Global Location Number)* →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*		

4.35.1 Order Number

AS5023 Reference	Section: Detail	Group: Item details	Element: Order Line Number
Description/Comments	Related to Order Line Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →purchaseOrder→documentLineReference→documentReference→ uniqueCreatorIdentification		
Basic Type			
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of documentReference is 0..1		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →number *(Non-negative Integer)* →documentReference→creationDateTime *(Attribute, dateTime)* →documentReference→contentOwner→gln *(Global Location Number)*		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*		

4.35.2 Order Date

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Order Line Number		
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →documentReference→creationDateTime		

Basic Type	Attribute
Comments	
Schema Constraints	Mandatory: No
	Data Type: dateTime
	Cardinality: 0..1
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →number *(Non-negative Integer)* →documentReference→uniqueCreatorIdentification *(string)* →documentReference→contentOwner→gln *(Global Location Number)*
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*

4.36   Order Creator

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

Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →number *(Non-negative Integer)* →documentReference→creationDateTime *(Attribute, dateTime)* →documentReference→contentOwner→gln *(Global Location Number)*
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder→documentLineReference) →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*

4.37 Quantity Variances

AS5023 Reference	*Section*: Detail	*Group:* Quantity Variances	*Element:* Quantity Variances
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→varianceQuantity→value		
Basic Type	Element		
Comments	If a particular item occurs multiple times, e.g. it has multiple Batch Numbers or occurs in multiple packages, then the variances should be recorded with the first occurrence only. despatchAdviceItemContainmentLineItem also occurs as a child element of despatchLogisticUnitLineItem, and the same rules apply.		
Schema Constraints	*Mandatory:* No		
	Data Type: float		
	Cardinality: 1..1		
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.		

Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→quantityVariance or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) →changeReason *(list)* → deliveryDateVariance *(date)*
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→quantityVariance or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) →varianceQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*

4.38   Variance Reason

AS5023 Reference	Section: Detail	Group: Quantity Variances	Element: Quantity Variances
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→changeReason		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.		
	Allowable values are: ARTICLE_CODE_UNKNOWN	DAMAGED ITEM_NOT_ORDERED	OUT_OF_INVENTORY PACK_DIFFERENCE
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→quantityVariance or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) → varianceQuantity →value *(float)* → deliveryDateVariance *(date)*		

| Optional Elements | (Relative to despatchAdviceItemContainmentLineItem→quantityVariance
or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance)
→varianceQuantity→unitOfMeasure→measurementUnitCodeValue *(string)* |

4.39   Delivery Date: Variances

AS5023 Reference	*Section*: Detail	*Group:* Quantity variance	*Element:* Delivery date for variances
Description/Comments			
GS1 XML Path	(Relative to despatchAdviceItemContainmentLineItem or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→deliveryDateVariance		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: date		
	Cardinality: 0..1		
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.		
Co-requisites	(Relative to despatchAdviceItemContainmentLineItem→quantityVariance or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) → varianceQuantity →value *(float)* →changeReason *(list)*		
Optional Elements	(Relative to despatchAdviceItemContainmentLineItem→quantityVariance or despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) →varianceQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*		

5 Cross Dock Extension Elements

5.1 Comments

The 'extension<##any>' element at header level is optional and used for the business scenario were Ultimate Consignee or Wardbox delivery is required. The <##any>element cardinality is set to unbounded and can repeat either single or multiple times.

<##any> must be replaced by <deliver:crossDockDespatchAdviceExtension> element.

To populate the Cross Dock Extension the mandatory and conditional elements under 'despatchAdivice→despatchAdviceLogisticsUnitLineItem' must be populated.

The root Xpath for Cross dock extension is as follows:

despatchAdvice→despatchAdviceLogisticUnitLineitem→extension→ deliver:CrossDockDespatchAdviceExtension.
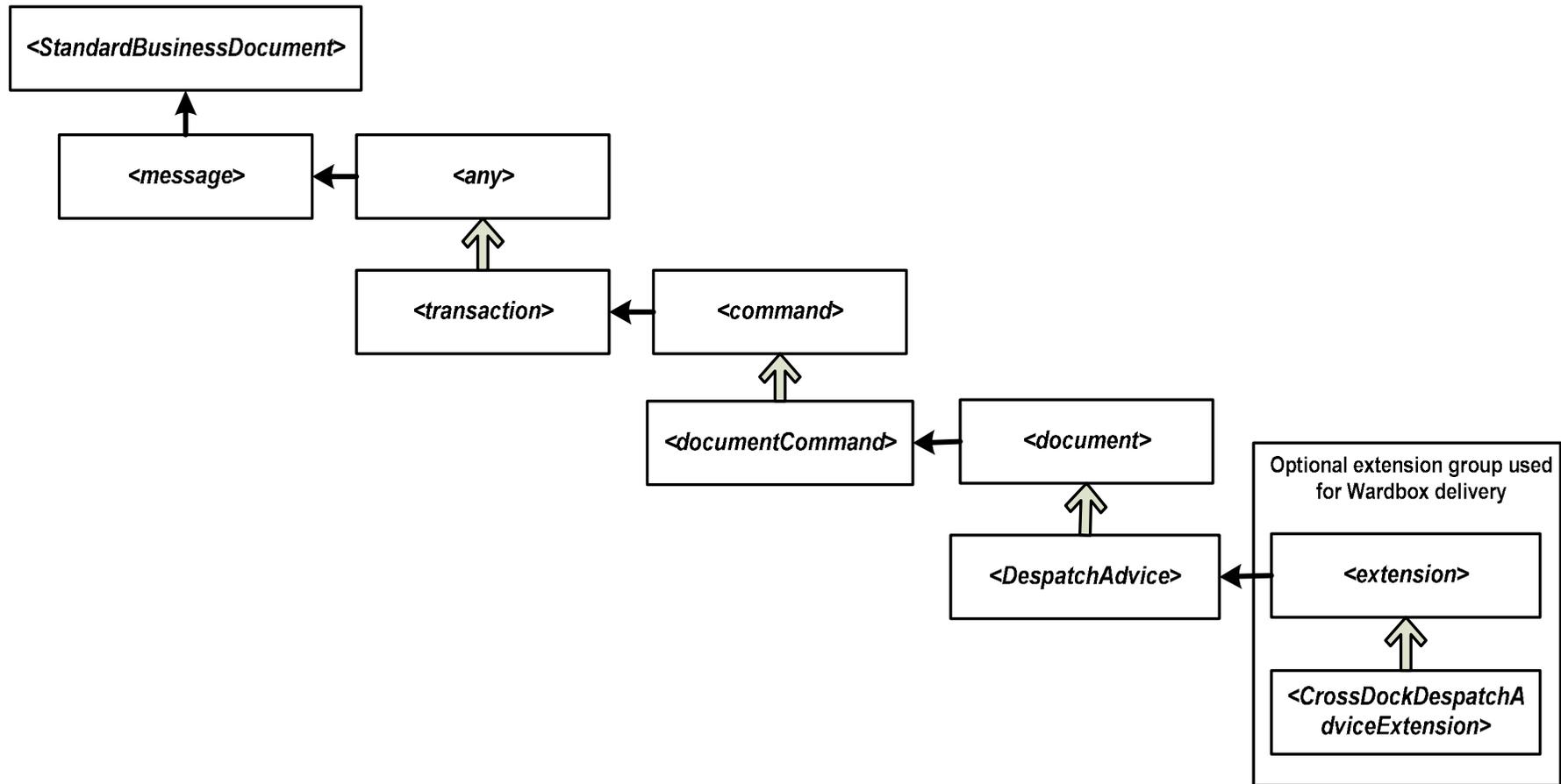
5.2   Shipment Identification Number

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentIdentificationNumber			
Basic Type	Element			
Comments	A globally unique number assigned by a Shipper to a shipment, identifying a logical grouping of physical units for the purpose of a transport shipment.			
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 0..1			
Co-requisites				

5.3   Cross Dock Location

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	crossDockDespatchAdviceExtension→ultimateConsignee→GLN			
Basic Type	Element			
Comments	A GLN to identify the location for the Cross Dock delivery. Example: Host ward			
Schema Constraints	Mandatory: Yes			
	Data Type: Global Location Number			
	Cardinality: 1			
Co-requisites				

Optional Elements	(Relative to crossDockDespatchAdviceExtension→ultimateConsignee →additionalPartyIdentification) →additionalPartyIdentificationValue *(string)* →additionalPartyIdentificationType *(AdditionalPartyIdentificationListType)*

5.3.1   Additional Party Identification Value

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	crossDockDespatchAdviceExtension→ultimateConsignee→additionalPartyIdentification→ additionalPartyIdentificationValue					
Basic Type	Element					
Comments	Free or coded text used to identify delivery location					
Schema Constraints	*Mandatory:* No					
	Data Type: Additional Party Identification					
	Cardinality: 1					
Co-requisites	crossDockDespatchAdviceExtension→ultimateConsignee→additionalPartyIdentification→ additionalPartyIdentificationType					
Optional Elements						

5.3.2   Additional Party Identification Type

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	crossDockDespatchAdviceExtension→ultimateConsignee→additionalPartyIdentification→ additionalPartyIdentificationType					
Basic Type	Element					
Comments	Free or coded text used to identify delivery location					
Schema Constraints	*Mandatory:* No					
	Data Type: Additional Party Identification					

	Cardinality: 1
	Allowable Values are: BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY FOR_INTERNAL_USE_#(numbered 1-20)
Co-requisites	crossDockDespatchAdviceExtension→ultimateConsignee→additionalPartyIdentification→ additionalPartyIdentificationValue
Optional Elements	

5.4   Delivery Note

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Cross Dock Despatch Advice Reference Number		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) deliveryNote→reference→referenceIdentification		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceDateTime *(dateTime)* →number *(Non-negative Integer)*		
Optional Elements	None		

5.4.1 Delivery Note Date

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Cross Dock Despatch Advice Reference Number				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) deliveryNote→reference→referenceDateTime				
Basic Type	Element				
Comments					
Schema Constraints	Mandatory: No				
	Data Type: dateTime				
	Cardinality: 1..1				
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceIdentification *(string)* →deliveryNote→number *(Non-negative Integer)*				
Optional Elements	None				

5.4.2 Delivery Note Line Number

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Cross Dock Despatch Advice Reference Number				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) →deliveryNote→number				
Basic Type	Attribute				
Comments					
Schema Constraints	Mandatory: No				
	Data Type: Non-negative Number				

	Cardinality: 1..1
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →deliveryNote→reference→referenceIdentification *(string)* →deliveryNote→reference→referenceDateTime *(dateTime)*
Optional Elements	None

5.5 Consignment Note

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→reference→referenceIdentification		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: string		
	Cardinality: 1..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→reference→referenceDateTime *(dateTime)* →consignment→number *(Non-negative Integer)*		
Optional Elements	None		

5.5.1 Consignment Note Date

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) consignment→reference→ referenceDateTime			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: DateTime			
	Cardinality: 1..1			
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) →consignment→reference→referenceIdentification *(string)* →consignment→number *(Non-negative Integer)*			
Optional Elements	None			

5.5.2 Consignment Note Line Number (Detail Level)

AS5023 Reference	Section:	Group:		Element:
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem) -→consignment→number			
Basic Type	Attribute			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: Non-negative Integer			

	Cardinality: 1..1
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →consignment→reference→referenceIdentification *(string)* →consignment→reference→referenceDateTime *(dateTime)*
Optional Elements	None

5.6   Delivery and Despatch Dates

5.6.1   Comments

In *estimatedDelivery, estimatedDeliveryDateTime* and *estimatedDeliveryPeriod are* mandatory, *actualShipDateTime* is optional.

5.6.2   Delivery Date

AS5023 Reference	*Section*:	*Group:* Delivery and despatch	*Element:* Despatch date
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) estimatedDeliveryDateTime		
Basic Type	Element		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: dateTime		
	Cardinality: 1..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →actualShipDateTime *(dateTime)* →estimatedDeliveryPeriod *(TimeOrDateTimePeriod)*		
Optional Elements			

5.6.3 Actual Ship Date

AS5023 Reference	Section:	Group: Delivery and despatch	Element: Despatch date
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) actualShipDateTime		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 0..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryDateTime *(dateTime)* →estimatedDeliveryPeriod *(TimeOrDateTimePeriod)*		
Optional Elements			

5.6.4 Earliest Delivery Date

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Despatch and Delivery Dates		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→timePeriod→beginDate		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: date		

	Cardinality: 1..1
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→timePeriod→endDate
Optional Elements	None

5.6.5 Latest Delivery Date

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Despatch and Delivery Dates		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→timePeriod→endDate		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: date		
	Cardinality: 1..1		
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→timePeriod→beginDate		
Optional Elements	None		

5.6.6 Earliest Delivery Date/Time

AS5023 Reference	*Section*:	*Group:*	*Element:*
Description/Comments	Related to Despatch and Delivery Dates		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→dateTimePeriod→beginDateTime		

Basic Type	Attribute
Comments	
Schema Constraints	*Mandatory:* No
	Data Type: dateTime
	Cardinality: 1..1
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→dateTimePeriod→endDateTime
Optional Elements	None

5.6.7   Latest Delivery Date/Time

AS5023 Reference	Section:		Group:		Element:
Description/Comments	Related to Despatch and Delivery Dates				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→dateTimePeriod→endDateTime				
Basic Type	Attribute				
Comments					
Schema Constraints	*Mandatory:* No				
	Data Type: dateTime				
	Cardinality: 1..1				
	The *timePeriod* and *dateTimePeriod* elements cannot both be used together. They are a choice group.				
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→estimatedDelivery) →estimatedDeliveryPeriod→dateTimePeriod→beginDateTime				
Optional Elements	None				

5.7   Packaging Level

AS5023 Reference	Section:	Group: Packaging	Element: Packaging level
Description/Comments	Entire shipment, outer, intermediate, or inner		
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→levelId→levelIdentification		
Basic Type	Element		
Comments	See also 4.18.1 Parent Packaging Level.		
Schema Constraints	Mandatory: No		
	Data Type: Integer		
	Cardinality: 1..1		
Co-requisites	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitIdentification-→serialShipmentContainerCode→ serialShippingContainerCode		
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem) →quantityOfChildren (integer) →packageType→packageTypeDescriptionCodeValue (string) →childPackageType→packageTypeDescriptionCodeValue (string) →logisticUnitMeasurement (LogisticUnitMeasurementType) →parentLevelId→levelIdentification (integer) →crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem (DespatchAdviceItemContainmentLineItemType)		

5.7.1   Parent Packaging Level

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Packaging Level		
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→parentLevelId-→levelIdentification		

Basic Type	Element
Comments	
Schema Constraints	*Mandatory:* No
	Data Type: Integer
	Cardinality: 1..1
Co-requisites	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→logisticUnitIdentification-→serialShipmentContainerCode→serialShippingContainerCode
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem) →quantityOfChildren *(integer)* →packageType→packageTypeDescriptionCodeValue *(string)* →childPackageType→packageTypeDescriptionCodeValue *(string)* →logisticUnitMeasurement *(LogisticUnitMeasurementType)* →levelId→levelIdentification *(integer)* →crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

5.8   Packaging Type

AS5023 Reference	Section:	Group: Packaging		Element: Packaging
Description/Comments				
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→packageType →packageTypeDescriptionCodeValue			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: list			
	Cardinality: 1..1			

	For the elements of this list, refer to the EANCOM element 7065 which contains a codelist based on UN/ECE Recommendation No. 21. It is available on the web at: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*
Optional Elements	(Relative to despatchAdviceLogisticsUnitLineItem) →quantityOfChildren *(integer)* →childPackageType→packageTypeDescriptionCodeValue *(string)* →logisticUnitMeasurement *(LogisticUnitMeasurementType)* →levelId→levelIdentification *(integer)* →parentLevelId→levelIdentification *(integer)* →crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

5.8.1   Child Package Type

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Packaging			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →childPackageType-→packageTypeDescriptionCodeValue			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: list			
	Cardinality: 1..1			
	For the elements of this list, refer to the EANCOM element 7065 which contains a codelist based on UN/ECE Recommendation No. 21. It is available on the web at: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8m.htm			
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode-→serialShipmentContainerCode→serialShippingContainerCode *(string)*			

| Optional Elements | (Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem)
→quantityOfChildren *(integer)*
→PackageType→packageTypeDescriptionCodeValue *(string)*
→logisticUnitMeasurement *(LogisticUnitMeasurementType)*
→levelId→levelIdentification *(integer)*
→parentLevelId→levelIdentification *(integer)*
→crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)* |
|---|---|

5.9   Number of Packages

AS5023 Reference	Section:	Group: Packaging	Element: Packaging
Description/Comments			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→quantityOfChildren		
Basic Type	Element		
Comments	This element is the number of packages within the package being described.		
Schema Constraints	*Mandatory:* No		
	Data Type: integer		
	Cardinality: 0..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem)
logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*		

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem->)
	→ packageType→packageTypeDescriptionCodeValue *(list)*
	→childPackageType→packageTypeDescriptionCodeValue *(string)*
	→logisticUnitMeasurement *(LogisticUnitMeasurementType)*
	→levelId→levelIdentification *(integer)*
	→parentLevelId→levelIdentification *(integer)*
	→crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

5.10   Package Measurements

AS5023 Reference	*Section*:	*Group:* Packaging	*Element:* Measurements
Description/Comments			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem-→logisticUnitMeasurement		
Basic Type	Complex Type		
Comments	This is a complex type which can record the lineal dimensions of the package as well as weight and volume measurements.		
Schema Constraints	*Mandatory:* No		
	Data Type: logisticUnitMeasurementType		
	Cardinality: 0..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem) logisticUnitIdentification→serialShipmentContainerCode→serialShipmentContainerCode→serialShippingContainerCode *(string)*		

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem) →quantityOfChildren *(integer)* → packageType→packageTypeDescriptionCodeValue *(list)* →childPackageType→packageTypeDescriptionCodeValue *(string)* →levelId→levelIdentification *(integer)* →parentLevelId→levelIdentification *(integer)* →crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem *(DespatchAdviceItemContainmentLineItemType)*

5.10.1   Package Lineal Dimensions

AS5023 Reference	Section:	Group: Packaging		Element: Measurements
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitMeasurement→packageDimension) →packageLength→measurementValue→value →packageHeight→measurementValue→value →packageWidth→measurementValue→value			
Basic Type	Element			
Comments	All three elements behave in the same way, so they are treated as one in this document. The difference is only in their naming.			
Schema Constraints	Mandatory: No			
	Data Type: decimal			
	Cardinality: 1..1			

Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitMeasurement→packageDimension)
	→packageLength→measurementValue→unitOfMeasure *(Attribute, string)*
	→packageHeight→measurementValue→unitOfMeasure *(Attribute, string)*
	→packageWidth→measurementValue→unitOfMeasure *(Attribute, string)*
Optional Elements	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitMeasurement→unitMeasurement *(UnitMeasurementType)*

5.10.2   Package: Other Measurements

AS5023 Reference	Section:		Group: Packaging		Element: Measurements
Description/Comments					
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement→measurementValue→value				
Basic Type	Element				
Comments					
Schema Constraints	Mandatory: No				
	Data Type: decimal				
	Cardinality: 1..1				
	Allowable values for *measurementType* are: DECLARED_NET_WEIGHT		GROSS_VOLUME NET_VOLUME TARE_WEIGHT		TOTAL_GROSS_WEIGHT UNIT_GROSS_WEIGHT UNIT_NET_WEIGHT
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitMeasurement→unitMeasurement)				
	→measurementValue→unitOfMeasure *(string)*				
	→measurementType *(list)*				
Optional Elements	None				

5.10.3   Package: Measurement Type

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Packaging Measurements			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem →logisticUnitMeasurement→unitMeasurement→measurementType			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: list			
	Cardinality: 1..1			
	Allowable values for are: DECLARED_NET_WEIGHT	GROSS_VOLUME NET_VOLUME TARE_WEIGHT		TOTAL_GROSS_WEIGHT UNIT_GROSS_WEIGHT UNIT_NET_WEIGHT
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→logisticUnitMeasurement→unitMeasurement) →measurementValue→ unitOfMeasure *(string)* →measurementValue→value *(decimal)*			
Optional Elements	None			

5.10.4   Package: Unit of Measure

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Packaging Measurements			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem - →logisticUnitMeasurement→unitMeasurement→measurementValue→unitOfMeasure			
Basic Type	Attribute			
Comments				

Schema Constraints	Mandatory: No
	Data Type: string
	Cardinality: 1..1
	Allowable values for *unitOfMeasure* are defined in the EANCOM element 6411. Details of this code list can be downloaded from: http://www.gefeg.com/service/eancom2003/ean2003s3/experts/part3/dc8b.htm
Co-requisites	(Relative to crossDockDespatchAdviceExtension->shipmentPerUlitimateConsignee->despatchAdviceLogisticsUnitLineItem ->logisticUnitMeasurement->unitMeasurement) →measurementValue→ value *(decimal)* →measurementType *(list)*
Optional Elements	None

5.11   Quantity per Package

AS5023 Reference	Section:		Group: Packaging		Element: Quantity per package
Description/Comments					
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem→quantityContained→value				
Basic Type	Element				
Comments	If multiple batches are contained within the package, then use one despatchAdviceItemContainmentLineItem element per batch.				
Schema Constraints	Mandatory: No				
	Data Type: float				
	Cardinality: 1..1				

	This element is mandatory if *despatchAdviceLogisticUnitLineItem* is used.
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem →despatchAdviceItemContainmentLineItem) →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →number *(nonNegativeInteger)* →containedItemIdentification→gtin *(Global Trade Item Number[9])*

1.9   [9] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem)
	→requestedItemIdentification→gtin *(Global Trade Item Number[10])*
	→productCertification *(DetailLevelReferenceType)*
	→promotionalDeal *(DetailLevelReferenceType)*
	→customer *(DetailLevelReferenceType)*
	→specification *(DetailLevelReferenceType)*
	→deliveryNote *(DetailLevelReferenceType)*
	→consignment *(DetailLevelReferenceType)*
	→contract *(DetailLevelReferenceType)*
	→purchaseOrder *(DocumentOrDocumentLineReferenceType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→listForEachItem *(SpecifItemDataType)*
	→extendedAttributes *(TransactionalItemDataType)*
	→requestedQuantity *(QuantityType)*
	→freeGoodsQuantity *(QuantityType)*
	→quantityVariance *(QuantityVarianceType)*
	→countryOfLastProcessing *(ISO3166_1CodeType)*
	→countryOfOrigin *(ISO3166_1CodeType)*
	→locationOfLastProcessing *(LocationInformationType)*
	→locationOfOrigin *(LocationInformationType)*

1.10 [10] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

5.12   Package Identification

AS5023 Reference	Section:	Group:	Element: Package Identification
Description/Comments			
GS1 XML Path	crossDockDespatchAdviceExtension-→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→ logisticUnitIdentification-→serialShipmentContainerCode→serialShippingContainerCode		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: Yes		
	Data Type: string		
	Cardinality: 1..1		
	Mandatory if Cross Dock Despatch Advice Extension is used.		
Co-requisites	None		
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem-→logisticUnitIdentification) →additionalLogisticUnitIdentification→logisticUnitIdentification (string)		

5.12.1   Additional Package Identification

AS5023 Reference	Section:	Group:	Element: Additional Package Identification
Description/Comments			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→logisticUnitIdentification→ additionalLogisticUnitIdentification →logisticUnitIdentification		
Basic Type	Element		
Comments	Optional addition to the SSCC		
Schema Constraints	Mandatory: No		
	Data Type: string		

	Cardinality: 1..1
Co-requisites	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→logisticUnitIdentification→serialShipmentContainerCode→serialShippingContainerCode
Optional Elements	

5.13   Line Number

AS5023 Reference	*Section*: Detail	*Group:* Line Item	*Element:* Line number
Description/Comments			
GS1 XML Path	crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem→number		
Basic Type	Attribute		
Comments	Line numbers are used if the Despatch Advice is written from the item perspective i.e. using the *despatchAdviceItemContainmentLineItem* element. It may also be written from the items within a package perspective which shows the hierarchical relationship between all the packages in the shipment i.e. using the *despatchAdviceLogisticUnitLineItem* element containing the *despatchAdviceItemContainmentLineItem* element. In this case the line numbers refer to the individual items within the package.		
Schema Constraints	*Mandatory:* No		
	Data Type: Non-negative Integer		
	Cardinality: 1..1		

	This is mandatory if *crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→* despatchAdviceLogisticsUnitLineItem→*despatchAdviceItemContainmentLineItem* is used.
Co-requisites	(Relative to despatchAdviceLogisticsUnitLineItem→crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticsUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→gtin *(Global Trade Item Number[11])* →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →quantityContained→value *(float)*

1.11 [11] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticsUnitLineItem→ despatchAdviceItemContainmentLineItem) →requestedItemIdentification→gtin *(Global Trade Item Number[12])* →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →listForEachItem *(SpecifItemDataType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

1.12   [12] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

5.14   Unique Product Identifier

AS5023 Reference	Section:		Group: Product Identifier	Element: Unique product identifier
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→gtin			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: Global Trade Item Number[13]			
	Cardinality: 1..1			
	This is mandatory if *crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem* is used.			

1.13 [13] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
	→number *(Non-negative Number)*
	→quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)*
	→quantityContained→value *(float)*

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
	→requestedItemIdentification-→gtin *(Global Trade Item Number[14])*
	→productCertification *(DetailLevelReferenceType)*
	→promotionalDeal *(DetailLevelReferenceType)*
	→customer *(DetailLevelReferenceType)*
	→specification *(DetailLevelReferenceType)*
	→deliveryNote *(DetailLevelReferenceType)*
	→consignment *(DetailLevelReferenceType)*
	→contract *(DetailLevelReferenceType)*
	→purchaseOrder *(DocumentOrDocumentLineReferenceType)*
	→purchaseConditions *(DocumentOrDocumentLineReferenceType)*
	→listForEachItem *(SpecifItemDataType)*
	→extendedAttributes *(TransactionalItemDataType)*
	→requestedQuantity *(QuantityType)*
	→freeGoodsQuantity *(QuantityType)*
	→quantityVariance *(QuantityVarianceType)*
	→countryOfLastProcessing *(ISO3166_1CodeType)*
	→countryOfOrigin *(ISO3166_1CodeType)*
	→locationOfLastProcessing *(LocationInformationType)*
	→locationOfOrigin *(LocationInformationType)*

1.14 [14] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

5.15   Requested Item Identifier

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Unique Product Identifier		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification→gtin		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: Global Trade Item Number[15]		
	Cardinality: 1..1		
	This item must be used if the item supplied is different to the one requested.		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →number *(Non-negative Number)* →quantityContained→unitOfMeasure→measurementUnitCodeValue *(string)* →quantityContained→value *(float)* →containedItemIdentification→gtin *(Global Trade Item Number[16])*		

1.15   [15] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →listForEachItem *(SpecifItemDataType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

1.16 [16] This must be padded with 0's to the full 14 characters. See section 1.3 Global Trade Item Numbers - GTINs

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

5.16 Additional Product Information

AS5023 Reference	Section:	Group: Product Identifier		Element: Additional product information
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: string			
	Cardinality: 1..1			
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) containedItemIdentification→additionalTradeItemIdentificationType			
Optional Elements	None			

5.16.1 Additional Product Information Type

AS5023 Reference	Section:	Group: Product Identifier		Element: Additional product information
Description/Comments				
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →containedItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType			
Basic Type	Element			
Comments				

Schema Constraints	Mandatory: No
	Data Type: list
	Cardinality: 1..1
	Allowable values are: BUYER_ASSIGNED INDUSTRY_ASSIGNED SUPPLIER_ASSIGNED
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) containedItemIdentification→additionalTradeItemIdentificationValue
Optional Elements	None

5.17   Ordered Quantity

AS5023 Reference	Section:		Group: Item Detail		Element: Quantities
Description/Comments					
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedQuantity→value				
Basic Type	Element				
Comments					
0Schema Constraints	Mandatory: No				
	Data Type: float				
	Cardinality: 1..1				
Co-requisites	None				

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*

5.18   Batch Number

AS5023 Reference	Section:		Group:		Element:	
Description/Comments						
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→batchNumber					
Basic Type	Element					
Comments						
Schema Constraints	Mandatory: No					
	Data Type: string					
	Cardinality: 0..1					
Co-requisites	None					

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) availableForSaleDate *(date)* bestBeforeDate *(date)* countryOfOrigin *(list)* itemExpirationDate *(date)* lotNumber *(string)* packagingDate *(date)* productionDate *(date)* productQualityIndication *(QuantityType)* sellByDate *(date)* shelfLife *(string)* transactionalItemWeight *(UnitMeasurementType)*

5.19   Serial Numbers

AS5023 Reference	*Section*:		*Group*:		*Element*:	
Description/Comments						
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →listForEachItem→serialNumber					
Basic Type						
Comments						
Schema Constraints	*Mandatory:* No					
	Data Type: string					
	Cardinality: 1..1					
	Cardinality of *listForEachItem* is 0..*					

Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →number *(Attribute, Non-negative Integer)* →quantityContained→value *(float)*
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →requestedItemIdentification *(TradeItemIdenfiticationType)* →productCertification *(DetailLevelReferenceType)* →promotionalDeal *(DetailLevelReferenceType)* →customer *(DetailLevelReferenceType)* →specification *(DetailLevelReferenceType)* →deliveryNote *(DetailLevelReferenceType)* →consignment *(DetailLevelReferenceType)* →contract *(DetailLevelReferenceType)* →purchaseOrder *(DocumentOrDocumentLineReferenceType)* →purchaseConditions *(DocumentOrDocumentLineReferenceType)* →extendedAttributes *(TransactionalItemDataType)* →requestedQuantity *(QuantityType)* →freeGoodsQuantity *(QuantityType)* →quantityVariance *(QuantityVarianceType)* →countryOfLastProcessing *(ISO3166_1CodeType)* →countryOfOrigin *(ISO3166_1CodeType)* →locationOfLastProcessing *(LocationInformationType)* →locationOfOrigin *(LocationInformationType)*

5.20   Expiry Date

Note: AS5023 identifies an Estimated Delivery Date as a data element at the item level. Delivery Dates apply to the whole shipment and so are held at the header level.

AS5023 Reference	Section:	Group:	Element: Dates
Description/Comments	The dates identified in AS5023 are: estimated delivery date; expiry date; best before date.		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→itemExpirationDate		
Basic Type	Element		
Comments	If there are multiple Expiry Dates for the item being despatched, then multiple *crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceItemContainmentLineItem* elements must be used. The strategy for processing multiple Expiry Dates will be linked to the strategies for Best Before Dates, Batch Numbers and Serial Numbers.		
Schema Constraints	Mandatory: No		
	Data Type: date		
	Cardinality: 0..1		
Co-requisites	None		

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
	availableForSaleDate *(date)*
	batchNumber *(string)*
	bestBeforeDate *(date)*
	countryOfOrigin *(list)*
	lotNumber *(string)*
	packagingDate *(date)*
	productionDate *(date)*
	productQualityIndication *(QuantityType)*
	sellByDate *(date)*
	shelfLife *(string)*
	transactionalItemWeight *(UnitMeasurementType)*

5.21   Best Before Dates

AS5023 Reference	Section:	Group:		Element: Dates
Description/Comments	The dates identified in AS5023 are: estimated delivery date; expiry date; best before date.			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →extendedAttributes→bestBeforeDate			
Basic Type	Element			
Comments	If there are multiple Best Before Dates for the item being despatched, then multiple *despatchAdviceItemContainmentLineItem* elements must be used. The strategy for processing multiple Best Before Dates will be linked to the strategies for Expiry Dates, Batch Numbers and Serial Numbers.			
Schema Constraints	Mandatory: No			
	Data Type: date			
	Cardinality: 0..1			

Co-requisites	None
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) availableForSaleDate *(date)* batchNumber *(string)* countryOfOrigin *(list)* itemExpirationDate *(date)* lotNumber *(string)* packagingDate *(date)* productionDate *(date)* productQualityIndication *(QuantityType)* sellByDate *(date)* shelfLife *(string)* transactionalItemWeight *(UnitMeasurementType)*

5.22 Order Line Number

AS5023 Reference	*Section*:	*Group:*		*Element:* Order Line Number
Description/Comments	This is a reference to the line number in the original Purchase Order.			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →documentLineReference→number			
Basic Type	Element			
Comments				
Schema Constraints	*Mandatory:* No			
	Data Type: Non-negative Integer			
	Cardinality: 1..1			

Co-requisites	None
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →documentReference→uniqueCreatorIdentification *(string)* →documentReference→contentOwner→gln *(Global Location Number)* →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*

5.22.1   Order Number

AS5023 Reference	Section:	Group:	Element: Order Line Number
Description/Comments	Related to Order Line Number		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →documentLineReference→documentReference→ uniqueCreatorIdentification		
Basic Type			
Comments			
Schema Constraints	Mandatory: No		
	Data Type: string		
	Cardinality: 1..1		
	Cardinality of documentReference is 0..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →number *(Non-negative Integer)* →documentReference→creationDateTime *(Attribute, dateTime)* →documentReference→contentOwner→gln *(Global Location Number)*		

Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem)
	→documentReference→contentOwner→additionalPartyIdentificationValue *(string)*
	→documentReference→contentOwner→additionalPartyIdentificationType *(list)*

5.22.2 Order Date

AS5023 Reference	Section:	Group:	Element:
Description/Comments	Related to Order Line Number		
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →documentReference→creationDateTime		
Basic Type	Attribute		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: dateTime		
	Cardinality: 0..1		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→purchaseOrder) →number *(Non-negative Integer)* →documentReference→uniqueCreatorIdentification *(string)* →documentReference→contentOwner→gln *(Global Location Number)*		
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*		

5.22.3 Order Creator

AS5023 Reference	Section:	Group:		Element:
Description/Comments	Related to Order Line Number			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem→purchaseOrder) →documentReference→contentOwner→gln			
Basic Type	Element			
Comments				
Schema Constraints	Mandatory: No			
	Data Type: Global Location Number			
	Cardinality: 1..1			
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem→purchaseOrder) →number *(Non-negative Integer)* →documentReference→creationDateTime *(Attribute, dateTime)* →documentReference→contentOwner→gln *(Global Location Number)*			
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticUnitLineItem→ despatchAdviceItemContainmentLineItem→purchaseOrder) →documentReference→contentOwner→additionalPartyIdentificationValue *(string)* →documentReference→contentOwner→additionalPartyIdentificationType *(list)*			

5.23 Quantity Variances

AS5023 Reference	Section:	Group: Quantity Variances	Element: Quantity Variances
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→ despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→varianceQuantity→value		
Basic Type	Element		

Comments	If a particular item occurs multiple times, e.g. it has multiple Batch Numbers or occurs in multiple packages, then the variances should be recorded with the first occurrence only. despatchAdviceItemContainmentLineItem also occurs as a child element of despatchLogisticUnitLineItem, and the same rules apply.
Schema Constraints	Mandatory: No
	Data Type: float
	Cardinality: 1..1
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →changeReason *(list)* →deliveryDateVariance *(date)*
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →varianceQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*

5.23.1   Variance Reason

AS5023 Reference	Section:	Group: Quantity Variances	Element: Quantity Variances
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→changeReason		
Basic Type	Element		
Comments			
Schema Constraints	Mandatory: No		
	Data Type: list		
	Cardinality: 1..1		
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.		

Allowable values are: ARTICLE_CODE_UNKNOWN	DAMAGED ITEM_NOT_ORDERED	OUT_OF_INVENTORY PACK_DIFFERENCE
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) → varianceQuantity→value *(float)* →deliveryDateVariance *(date)*	
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) →varianceQuantity→unitOfMeasure-→easurementUnitCodeValue *(string)*	

5.23.2   Delivery Date: Variances

AS5023 Reference	Section:	Group: Quantity variance	Element: Delivery date for variances
Description/Comments			
GS1 XML Path	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem) →quantityVariance→deliveryDateVariance		
Basic Type	Attribute		
Comments			
Schema Constraints	*Mandatory:* No		
	Data Type: date		
	Cardinality: 0..1		
	The cardinality of quantityVariance is 0..* so multiple types of variances can be recorded.		
Co-requisites	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) → varianceQuantity →value *(float)* →changeReason *(list)*		
Optional Elements	(Relative to crossDockDespatchAdviceExtension→shipmentPerUlitimateConsignee→despatchAdviceLogisticUnitLineItem→despatchAdviceItemContainmentLineItem→quantityVariance) →varianceQuantity→unitOfMeasure→measurementUnitCodeValue *(string)*		

6   References

This document is based on the following documents

[SA2003]   Standards Australia 2003, Health Supply Chain Messaging
                Part 4: Dataset content – Secondary transactions, Standards
                Australia.

[GS1-2009]   GS1 2009, Business Message Standard (BMS) Despatch
                Advice, BMS Release: 2.5, GS1.

[GS1-2009]   GS1 2009, Business Message Standard (BMS) Cross Dock
                Despatch Advice extension, BMS Release: 2.5, GS1.

[SBDH2007]   GS1 2007, Standard Business Document Header (SBDH)
                Technical Implementation Guide, Release: 1.3, GS1.

[EPTA2007]   NEHTA 2007, E-Procurement Technical Architecture; Version
                1.0, NEHTA