Message Implementation Guideline

Purchase Order Response Message

ORDRSP

(Based on the EANCOM 2002 Guideline using UN/EDIFACT Directory D.01B)

Version 1.2

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Document Change Control

Document Version	Released	By SPS Commerce	Changes
V1.0	November 2021	Asad Enait	Created Document
V 1.1	March 2022	Asad Enait	Updated Business rules on page 8 to remove non applicable reference.
V 1.2	July 2023	Asad Enait	Added additional Unit of measure in QTY segment

Purpose of this Implementation Guide

The purpose of this guide is to provide suppliers with the necessary information to enable the implementation of sending electronic Purchase Order Response messages to Pet Circle.

Who should use this Guide

This guide is intended for use by Pet Circle suppliers to prepare for the implementation of Electronic Data Interchange (EDI) and to assist with applications integration, thereby ensuring successful electronic trading.

EDIFACT Specifications

1 UN/EDIFACT Specifications

1.1 Definition of UN/EDIFACT

UN/EDIFACT: United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport. They comprise a set of internationally agreed standards, directories and guidelines for the electronic interchange of structured data, and in particular that related to trade in goods and services, between independent computerized information systems - EDI systems.

1.2 UN/EDIFACT Syntax

The UN/EDIFACT syntax rules set the standards for structuring data into segments, segments into messages, and messages into an interchange.

1.2.1 Structure of an Interchange

An interchange may consist of the following segments:

Segment ID	Segment Name	Status
UNA	Service String Advice	Conditional
UNB	Interchange Header	Mandatory
UNG	Functional Group Header	Conditional
UNH	Message Header	Mandatory
	User Data Segments	
UNT	Message Trailer	Mandatory
UNE	Functional Group Trailer	Conditional
UNZ	Interchange Trailer	Mandatory

Segments starting with "UN" are called service segments. They constitute the envelope or the "packing" of the EDIFACT messages. User data segments contain the information itself, in a format specific to each message type.

1.2.2 Structure of a Message

Each data segment has a specific place within the sequence of segments in the message. They may occur in any of the following three sections of the message:

- **Heading section** - A segment occurring in this section relates to the <u>entire message</u>.
- **Detail section** - A segment occurring in this section relates to the detail information only.
- **Summary section** - Only segments containing <u>totals or control information</u> may occur in the summary section, e.g. invoice total amount, number of lines in a purchase order, etc.

The same segment type may occur in more than one of the message sections, e.g. in the header and in the detail section, and/or more than once in the same section.

Some segments may be repeated a certain number of times at their specific location in the message. The status, Mandatory or Conditional, and the maximum number of repetitions of segment types are indicated in the message structure.

Within a message, specific groups of functionally related segments may be repeated; these groups are referred to as "segment groups". The maximum number of repetitions of a particular segment group at a specific location is included in the message definition.

A segment group may be nested within other segment groups, provided that the inner segment group terminates before any outer segment group terminates.

1.2.3 Segment Structure

A segment consists of:

- A segment tag: identifies the segment type
- Data element separators
- Simple, composite, or component data elements
- A segment terminator

Data elements can be defined as having a fixed or variable length.

A composite data element contains two or more component data elements.

A component data element is a simple data element used in a composite data element.

A data element can be qualified by another data element, the value of which is expressed as a code that gives specific meaning to the data. The data value of a qualifier is a code taken from an agreed set of code values.

1.2.4 Separators

In EANCOM four service characters (extracted from UNOA) have a special meaning and act as the default separators for EANCOM;

	ASCII	HEX	
Apostrophe	'	27	Segment terminator
Decimal Point	.	2E	Decimal Point
Plus sign	+	2B	Segment tag and data element separator
Colon	:	3A	Component data element separator
Question mark	?	3F	Release character; immediately preceding one of the service characters, it restores their normal meaning. E.g. 10?+10=20 means 10+10=20. Question mark is represented by ??

1.3 UN/EDIFACT Documentation Conventions

1.3.1 Format and Picture of Data Elements

The following conventions apply in the present documentation:

A	alphabetic characters
N	numeric characters
An	alpha-numeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length
an3	3 alpha-numeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alpha-numeric characters

The format and picture of the data elements that will be used by Pet Circle in the following EDI documents comply with the UN/EDIFACT Standards.

1.3.2 Status indicators

There are five types of status used in the following pages, whether for simple, component or composite data elements. They are listed below and can be identified when relevant by the abbreviations.

M	Specified within the Standards as Mandatory, used as a trigger element.
Must Use	Required by Pet Circle for specific implementation or business rules
D	Dependent on a mutual agreement between the sender and receiver of the message, governed by Business rules and / or a special arrangement, i.e. Primary Freight, etc.
O	Data that can be omitted based on an agreement between the sender and receiver.
Not Used	Segment/data elements defined as optional by standard specification and are not required for this Implementation. Data elements or composite elements not used preceding those indicated otherwise are shown for additional clarity. Unused trailing elements will not be shown in this document.

1.3.3 Interchange Structure

The interchange structure in an EDIFACT transmission is organized in several grouping levels. The service segments are the envelope of the groups.

The first service segment possible in an interchange is the 'UNA' segment which is used to define the separators being used in the interchange. The second service segment, 'UNB', indicates the beginning of the interchange. The next one, 'UNG', indicates the beginning of a group of messages of the same type, for example invoices. The last service segment, 'UNH', indicates the beginning of a given message. To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

Service string advice: UNA

Interchange envelope: UNB .... UNZ

Group envelope: UNG .... UNE

Message envelope: UNH .... UNT

Segment UNA is dependent on the character set being used. Pet Circle interchanges will include the UNA segment, as the UN/EDIFACT character set (C) will be used.

Segments UNG..UNE are Conditional/Optional. These segments will not be sent as standard in this MIG.

1.3.4 Interchange Control Structure (Envelope)

Introduction:

The Service String Advice, UNA, and the service segments UNB to UNZ shall appear in the below stated order in an interchange. There may be several functional groups or messages within an interchange and several messages in a functional group. A message consists of segments.

Pos. No.	Seg. ID	Name	Base Status	User Status	Group Max.Use	Notes and Repeat	Comments
0000	UNA	Service String Advice		O	O	1	
0010	UNB	Interchange Header		M	M	1	
0020	UNH	Message Header		M	M	1	
0030	UNT	Message Trailer		M	M	1	
0040	UNZ	Interchange Trailer		M	M	1	

Purchase Order Response Message Business Rules

Purchase Order Responses will be used by Pet Circle for Purchase Order Management, inventory management and product availability advice to customers.

Purchase Order Response message is required for an 'original' and 'replace' Purchase Order sent by Pet Circle.

A Purchase Order Response message must be returned to Pet Circle within 1 business day of receipt of the Purchase Order and prior to the goods being despatched.

In the case where suppliers have accepted the Purchase Order with changes, Pet Circle will evaluate the changes and send a replacement Purchase Order.

Document Structure

Pet Circle will receive three types of Purchase Order Response from suppliers. These are:
- **Accepted in Full** - the 'Message Function Code' (DE 1225) in the BGM segment will be 29 to represent 'Full Acceptance'; all line items sent in Purchase Order must be sent back on the Purchase Order Response and must have LIN DE 1229 = 5 (accepted without amendment)
- **Rejected in Full** - the 'Message Function Code' (DE 1225) in the BGM segment will be 27 to represent 'Full Rejection'; all line items sent in Purchase Order must be sent back on the Purchase Order Response and must have LIN DE 1229 = 7 (not accepted)
- **Accepted with Changes** - the 'Message Function Code' (DE 1225) in the BGM segment will be 4 to represent 'Change'; all line items sent on Purchase Order must be sent back on the Purchase Order Response and LIN DE 1229 must indicate the status of the line (accepted without amendment, not accepted or changed)

Pet Circle will allow the following changes proposed in the **Purchase Order Response (ORDRSP):**
- Delivery Date change for the entire order suppliers are required to send estimated delivery date and time for entire order.
- Product quantity change
  Note: quantity greater than the original quantity (over-shipment) is only permitted to round up the order quantity to a full pack size, with 10% variation permitted.
- Product unit price change
  Note: unit price greater than the unit price in the original order is not accepted.

Backorders are accepted. When communicating a backorder, the suppliers must specify:

- Detail level, segment QTY: ordered quantity, quantity to be delivered and backorder quantity.
- Detail level, segment DTM: backorder delivery date.

Pet Circle will not allow the following changes proposed in the **Purchase Order Response (ORDRSP):**
- Product addition / substitution
  Note: Supplier should contact Pet Circle via phone or email, if a product ordered has been discontinued and/or replaced.

ORDRSP Purchase Order Response Message

Introduction:

A message from the seller to the buyer, responding to a purchase order message or a purchase order change request message.

Notes:

This Message Implementation Guide (MIG) is based on the EANCOM® 2002 Australian Retail Industry Implementation Guidelines for the Purchase Order Response Message derived from the international UN/EDIFACT directory D.01B.

This MIG is specifically designed to enable the vendor to respond to the original or replacement Purchase Order from Pet Circle confirming the content of the order and the supplier's commitment to fulfil the order.

Purchase Order Response messages are required for all Purchase Orders sent by Pet Circle.

Dependency notes:

Suppliers are required to respond to the Purchase Order by including all line items that appeared in the Purchase Order.

The following options are supported for this implementation:

Purchase Order Response fully accepting a Purchase Order:
- BGM DE 1225 = 29
- LIN SG 26 is required, all line items must have LIN DE 1229 = 5 (accepted without amendment).

Purchase Order Response fully rejecting a Purchase Order:
- BGM DE 1225 = 27
- LIN SG 26 is required, all line items must have LIN DE 1229 = 7 (not accepted).

Purchase Order Response accepting a Purchase Order with changes:
- BGM DE 1225 = 4
- LIN SG 26 is required, LIN DE 1229 must indicate the status of the line.

Heading Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
Must Use		UNA	Service String Advice	C	1		
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
M	0030	DTM	Date/Time/Period	M	2		
O	0070	FTX	Free Text	C	1		
Must Use	0090		Segment Group 1: RFF	C		1	
M	0100	RFF	Reference	M	1		
Must Use	0150		Segment Group 3: NAD-SG6	C		3	
M	0160	NAD	Name and Address	M	1		
O	0250		Segment Group 6: CTA-COM	C		1	
M	0260	CTA	Contact Information	M	1		
D	0270	COM	Communication Contact	C	2		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
O	0320		Segment Group 8: CUX	C		1	
M	0330	CUX	Currencies	M	1		

Detail Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
Must Use	0970		Segment Group 26: LIN-PIA-IMD-QTY-DTM-MOA-FTX-SG30	C		200000	
M	0980	LIN	Line Item	M	1		
Must Use	0990	PIA	Additional Product Id	C	2		
Must Use	1000	IMD	Item Description	C	1		
Must Use	1020	QTY	Quantity	C	3		
D	1050	DTM	Date/Time/Period	C	1		
O	1060	MOA	Monetary Amount	C	1		
D	1140	FTX	Free Text	C	1		
Must Use	1270		Segment Group 30: PRI	C		1	
M	1280	PRI	Price Details	M	1		

Section Control:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M	2200	UNS	Section Control	M	1		

Summary Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
O	2210	MOA	Monetary Amount	C	1		
Must Use	2220	CNT	Control Total	C	1		
M	2270	UNT	Message Trailer	M	1		
M	2290	UNZ	Interchange Trailer	M	1		

				Segment:	**UNA** Service String Advice

Segment: **UNA** Service String Advice
Position:
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows. The specifications in the Service string advice take precedence over the specifications for delimiter etc. in UNB segment. When transmitted, the Service string advice must appear immediately before the Interchange Header (UNB) segment and begin with the upper case characters UNA immediately followed by the six characters selected by the sender to indicate, in the following sequence: *UNA:+.? '*

Notes: Example:

UNA:+.? '

Data Element Summary

	Data Element	Component Element	Name		Attributes
M	0010		**COMPONENT DATA ELEMENT SEPARATOR**	M	an..1
			Composite element delimiter **:** Colon		
M	0020		**DATA ELEMENT SEPARATOR**	M	an..1
			Data element delimiter **+** Plus sign		
M	0030		**DECIMAL NOTATION**	M	an..1
			The character transferred in this position shall be ignored by the recipient. Retained to maintain upward compatibility with earlier versions of the syntax. **.** Full stop / Period		
M	0040		**RELEASE INDICATOR**	M	an..1
			Release indicator is used to signify that the following texts contain one of the characters used as composite, data or segment delimiter, hence release its usage convention for that instance. **?** Question mark		
M	0050		**RESERVED FOR FUTURE USE**	M	an..1
			Not used. White space (blank)		
M	0060		**SEGMENT TERMINATOR**	M	an..1
			Used to delimit the end of the current segment and start a new segment. **'** Apostrophe		

			Segment:	**UNB** Interchange Header

Segment: **UNB** Interchange Header
Position: 0005
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To start, identify and specify an interchange
Dependency Notes:
Semantic Notes:
Comments:
Notes: All messages implemented based on EANCOM® 2002 will use syntax level C, version 3 as indicated in DE 0001 and DE 0002 as UNOC:3.

This supports all characters defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1

Example:

UNB+UNOC:3+SUPPLIER_GLN:14+9377779384084:14+210319:1005+73920001++++1'
UNB+UNOC:3+SUPPLIER_GLN:14+TST1PETCIRCLE:ZZZ+210319:1005+73++++1'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	S001		**SYNTAX IDENTIFIER**	M	1
			Identification of the agency controlling the syntax and indication of syntax level.		
M		0001	**Syntax identifier**	M	a4
			Coded identification of the agency controlling a syntax and syntax level used in an interchange.		
			UNOC UN/ECE level C		
			As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.		
M		0002	**Syntax version number**	M	n1
			Version number of the syntax identified in the syntax identifier (0001).		
			3 Version 3		
			ISO 9735 Amendment 1:1992.		
M	S002		**INTERCHANGE SENDER**	M	1
			Identification of the sender of the interchange.		
M		0004	**Sender identification**	M	an..35
			Name or coded representation of the sender of a data interchange.		
			The identifier / GLN of the sending party; supplier		
Must Use		0007	**Partner identification code qualifier**	C	an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
			14 EAN International		
			Partner identification code assigned by the European Article Numbering Association.		
			ZZZ Mutually defined		
			Mutually defined between trading partners.		
Not Used		0008	**Address for reverse routing**	C	an..14
			Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.		
M	S003		**INTERCHANGE RECIPIENT**	M	1
			Identification of the recipient of the interchange.		

M		0010	**Recipient identification**	**M**		**an..35**

Name or coded representation of the recipient of a data interchange.

Pet Circle will use the following addresses:

Production EDI Identifier **9377779384084**
Testing & Certification EDI Identifier **TST1PETCIRCLE**

Must Use		0007	**Partner identification code qualifier**	**C**		**an..4**

Qualifier referring to the source of codes for the identifiers of interchanging partners.

14   EAN International

Partner identification code assigned by the European Article Numbering Association.

Pet Circle code qualifier used for Production

ZZZ   Mutually defined

Mutually defined between trading partners.

Pet Circle code qualifier used for Testing & Certification.

Not Used		0014	**Routing address**	**C**		**an..14**

Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.

M	**S004**		**DATE AND TIME OF PREPARATION**	**M**	**1**	

Date and time of preparation of the interchange.

M		0017	**Date of preparation**	**M**		**n6**

Local date when an interchange or a functional group was prepared.

Date in YYMMDD format, i.e. March 19th, 2021 is presented as 210319

M		0019	**Time of preparation**	**M**		**n4**

Local time of day when an interchange or a functional group was prepared.

Time in 24 hour-clock format, i.e. 3:30 PM is presented as 1530

M	0020		**INTERCHANGE CONTROL REFERENCE**	**M**	**1**	**an..14**

Unique reference assigned by the sender to an interchange.

This data element is specified as alphanumeric and, for all Pet Circle implementations, only numbers are accepted as interchange control. The value presented here must match with the value presented in DE 0020 in segment UNZ.

Not Used	**S005**		**RECIPIENTS REFERENCE PASSWORD**	**C**	**1**	

Reference or password as agreed between the communicating partners.

Not Used	0026		**APPLICATION REFERENCE**	**C**	**1**	**an..14**

Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.

Not Used	0029		**PROCESSING PRIORITY CODE**	**C**	**1**	**a1**

Code determined by the sender requesting processing priority for the interchange.

Must Use	0031		**ACKNOWLEDGEMENT REQUEST**	**C**	**1**	**n1**

Code determined by the sender for acknowledgement of the interchange.

Used to indicate if the sender requires an acknowledgement of the message receipt by the receiving party via a CONTRL message. If not specified, the CONTRL message will not be returned to the sender.

1   Requested

Acknowledgement is requested.

Not Used	0032		**COMMUNICATIONS AGREEMENT ID**	**C**	**1**	**an..35**

Identification by name or code of the type of agreement under which the interchange takes place.

Not Used	0035		**TEST INDICATOR**	**C**	**1**	**n1**

Indication that the interchange is a test.

		Segment:	**UNH** Message Header

Segment: **UNH** Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Purchase order response message is ORDRSP.
Note: Purchase order response messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element   0065 ORDRSP   0052 D   0054 01B   0051 UN

Dependency Notes:
Semantic Notes:
Comments:
Notes: Example:

UNH+0001+ORDRSP:D:01B:UN:EAN009'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	0062		**MESSAGE REFERENCE NUMBER**	M	1	an..14	
			Unique message reference assigned by the sender.				
			Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender.				
M	S009		**MESSAGE IDENTIFIER**	M	1		
			Identification of the type, version etc. of the message being interchanged.				
M		0065	**Message type identifier**	M		an..6	
			Code identifying a type of message and assigned by its controlling agency.				
			ORDRSP Purchase order response message				
			A code to identify the purchase order response message.				
M		0052	**Message type version number**	M		an..3	
			Version number of a message type.				
			D Draft version/UN/EDIFACT Directory				
			Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).				
M		0054	**Message type release number**	M		an..3	
			Release number within the current message type version number (0052).				
			01B Release 2001 - B				
			Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).				
M		0051	**Controlling agency**	M		an..2	
			Code identifying the agency controlling the specification, maintenance and publication of the message type.				
			UN UN/CEFACT				
			United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).				
Must Use		0057	**Association assigned code**	C		an..6	

Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.

    EAN009   GS1 version control number

Not Used   **0068**   **COMMON ACCESS REFERENCE**   **C**   **1** **an..35**

Reference serving as a key to relate all subsequent transfers of data to the same business case or file.

Not Used   **S010**   **STATUS OF THE TRANSFER**   **C**   **1**

Statement that the message is one in a sequence of transfers relating to the same topic.

Segment: # BGM Beginning of Message

Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment by which the sender must uniquely identify the order response by means of its number and when necessary its function.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment is used to indicate the type and function of a message and to transmit the identifying number.

In the examples below, DE C002.1004 represents the supplier's own reference to this message. Pet Circle Purchase Order number is presented in SG1, segment RFF.

All line items sent in the Purchase Order must be included in the Purchase Order Response message regardless of the order status (fully accepted, fully rejected or accepted with changes).

Examples:

Purchase Order Response contains a fully accepted order.
BGM+231+238556377+29'

Purchase Order Response contains a fully rejected order.
BGM+231+238556377+27'

Purchase Order Response contains an order accepted with changes.
BGM+231+238556377+4'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
Must Use	C002		**DOCUMENT/MESSAGE NAME**	C	1
			Identification of a type of document/message by code or name. Code preferred.		
Must Use		1001	**Document name code**	C	an..3
			Code specifying the document name.		
			231 Purchase order response		
			Response to an purchase order already received.		
Not Used		1131	**Code list identification code**	C	an..17
			Code identifying a user or association maintained code list.		
Not Used		3055	**Code list responsible agency code**	C	an..3
			Code specifying the agency responsible for a code list.		
Not Used		1000	**Document name**	C	an..35
			Name of the document.		
Must Use	C106		**DOCUMENT/MESSAGE IDENTIFICATION**	C	1
			Identification of a document/message by its number and eventually its version or revision.		
Must Use		1004	**Document identifier**	C	an..35
			To identify a document.		
			The document identifier is used specifically to reference the purchase order response number generated by the supplier's system. Format: Alphanumeric		

		Maximum length: 20			
Not Used	**1056**	**Version identifier**	**C**		**an..9**
		To identify a version.			
Not Used	**1060**	**Revision identifier**	**C**		**an..6**
		To identify a revision.			
Must Use	**1225**	**MESSAGE FUNCTION CODE**	**C**	**1**	**an..3**

Code indicating the function of the message.

4	Change

Message containing items to be changed.

This is used to indicate that a change is being requested to the original order.

27	Not accepted

Message to inform that the referenced message is not accepted by the recipient.

The referenced purchase order is not able to be fulfilled as specified.

29	Accepted without amendment

Referenced message is entirely accepted.

The reference purchase order can be fulfilled as specified.

Not Used	**4343**	**RESPONSE TYPE CODE**	**C**	**1**	**an..3**

Code specifying the type of acknowledgment required or transmitted.

Segment:	**DTM** Date/Time/Period		
Position:	0030		
Group:			
Level:	1		
Usage:	Mandatory		
Max Use:	2		
Purpose:	A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order response date.		

Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order response and, if no schedule is to be specified, the delivery date.

The Date/time/period segment within other Segment groups should be used whenever the date/time/period needs to be logically related to another specified data item. e.g. Payment due date is specified within the PAT Segment group.

Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	This segment is used to specify dates/times relating to the Purchase Order Response.

DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in an EANCOM message.

Examples:

Purchase Order Response creation date
DTM+137:20211119:102'

Delivery requested date
DTM+2:202111230730:203'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C507		**DATE/TIME/PERIOD**	M	1
			Date and/or time, or period relevant to the specified date/time/period type.		
M		2005	**Date or time or period function code qualifier**	M	an..3
			Code qualifying the function of a date, time or period.		
		2	Delivery date/time, requested		
			Date on which buyer requests goods to be delivered.		
			Required: Estimated delivery date & time		
		137	Document/message date/time		
			(2006) Date/time when a document/message is issued. This may include authentication.		
			Required: system generated date when the purchase order response is created.		
Must Use		2380	**Date or time or period value**	C	an..35
			The value of a date, a date and time, a time or of a period in a specified representation.		
Must Use		2379	**Date or time or period format code**	C	an..3
			Code specifying the representation of a date, time or period.		
		102	CCYYMMDD		
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		
		203	CCYYMMDDHHMM		
			C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.		

Segment: # FTX Free Text
Position: 0070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment is used to provide any free text information related to the complete purchase order response message.

Example:
FTX+PUR+++Order rejected due to stock not available'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	4451		**TEXT SUBJECT CODE QUALIFIER**	M	1	an..3	
			Code qualifying the subject of the text.				
			PUR	Purchasing information			
			Note contains purchasing information.				
Not Used	4453		**FREE TEXT FUNCTION CODE**	C	1	an..3	
			Code specifying the function of free text.				
Not Used	C107		**TEXT REFERENCE**	C	1		
			Coded reference to a standard text and its source.				
Must Use	C108		**TEXT LITERAL**	C	1		
			Free text; one to five lines.				
M		4440	**Free text value**	M		an..512	
			Free form text.				
D		4440	**Free text value**	C		an..512	
			Free form text.				
D		4440	**Free text value**	C		an..512	
			Free form text.				
D		4440	**Free text value**	C		an..512	
			Free form text.				
D		4440	**Free text value**	C		an..512	
			Free form text.				
Not Used	3453		**LANGUAGE NAME CODE**	C	1	an..3	
			Code specifying the language name.				
Not Used	4447		**FREE TEXT FORMAT CODE**	C	1	an..3	
			Code specifying the format of free text.				

	Group:	**RFF** Segment Group 1: Reference

Group: **RFF** Segment Group 1: Reference

Position: 0090

Group:
Level: 1

Usage: Conditional (Required)

Max Use: 1

Purpose: A group of segments for giving references and where necessary, their dates, relating to the whole message, e.g. contract number, import/export licence number, reservation number.

Notes: This segment group must be used to reference the order to which this is the response.

Purchase Order number is required as shown in the original Purchase Order.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0100	RFF	Reference	M	1	

Segment: # RFF Reference
Position: 0100 (Trigger Segment)
Group: Segment Group 1 (Reference)   Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment is used to refer to the Purchase Order to which this Purchase Order Response is responding to.

Example:
RFF+ON: PO-00000100'

Data Element Summary

Data Element	Component Element	Name	Attributes	
M	C506	**REFERENCE**	M	1
		Identification of a reference.		
M	1153	**Reference code qualifier**	M	an..3
		Code qualifying a reference.		
		ON Order number (purchase)		
		[1022] Reference number assigned by the buyer to an order.		
		Required: qualifier for identifying that Pet Circle Purchase Order number is presented in DE C506.1154.		
Must Use	1154	**Reference identifier**	C	an..70
		Identifies a reference.		
		Purchase Order number sent by Pet Circle Format: Alphanumeric Maximum length: 20		
Not Used	1156	**Document line identifier**	C	an..6
		To identify a line of a document.		
Not Used	4000	**Reference version identifier**	C	an..35
		To identify the version of a reference.		
Not Used	1060	**Revision identifier**	C	an..6
		To identify a revision.		

	Group:	**NAD** Segment Group 3: Name and Address
	Position:	0150
	Group:	
	Level:	1
	Usage:	Conditional (Required)
	Max Use:	3
	Purpose:	A group of segments identifying the parties with associated information.
	Notes:	All information related to a party's name, address and contact details will be provided in this segment group SG3.

Examples:

Pet Circle as a Buyer:
NAD+BY+9377779384084::9++MILLELL PTY LTD+Level 7, 9 Castlereagh St+Sydney+NSW+2000+AU'

Supplier:
NAD+SU+SUP-00025::92'

Pet Circle DC:
NAD+ST+9377779384091::9++Eastern Creek DC+Warehouse 3, 60 Wallgrove Rd+Eastern Creek+NSW+2770+AU'

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0160	NAD	Name and Address	M	1	
O	0250		Segment Group 6: Contact Information	C		1

Segment: # NAD **Name and Address**
Position: 0160 (Trigger Segment)
Group: Segment Group 3 (Name and Address)   Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order response. Identification of the seller and buyer parties is mandatory for the order response message. It is recommended that where possible only the coded form of the party ID should be specified. e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment is used to provide information identifying the parties involved.

For examples, see explanatory notes in NAD Segment Group 3 (SG3).

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	3035		**PARTY FUNCTION CODE QUALIFIER**	M	1	an..3
			Code giving specific meaning to a party.			
			BY	Buyer		
				Party to whom merchandise and/or service is sold.		
				Required: indicates the Buyer (Pet Circle) GLN		
			ST	Ship to		
				Identification of the party to where goods will be or have been shipped.		
				Required: indicates the DC / Warehouse GLN		
			SU	Supplier		
				Party who supplies goods and/or services.		
				Required: indicates the supplier's code assigned by Pet Circle		
Must Use	C082		**PARTY IDENTIFICATION DETAILS**	C	1	
			Identification of a transaction party by code.			
M		3039	**Party identifier**	M		an..35
			Code specifying the identity of a party.			

Required: For DE 3035 = BY, SU and ST

Pet Circle Buyer ID (DE 3035 = BY)
Format (DE 3035 = BY): Numeric
Minimum length: 13
Maximum length: 13

Pet Circle assigned ship to location number (DE 3035 = ST)
Format (DE 3035 = ST): Numeric
Minimum length: 13
Maximum length: 13

Pet Circle assigned supplier number (DE 3035 = SU)
Format (DE 3035 = SU): Alphanumeric
Minimum length: 1
Maximum length: 10

Not Used		1131	**Code list identification code**	C		an..17
			Code identifying a user or association maintained code list.			
Must Use		3055	**Code list responsible agency code**	C		an..3
			Code specifying the agency responsible for a code list.			

<div style="margin-left: 2em">

9	EAN International
	EAN International, an organization of EAN Member Organizations, who along with the Uniform Code Council manages the EAN.UCC System.
92	Assigned by buyer or buyer's agent
	Codes assigned by a buyer or buyer's agent.

</div>

Not Used	C058		**NAME AND ADDRESS**	C	1	
			Unstructured name and address: one to five lines.			
O	C080		**PARTY NAME**	C	1	
			Identification of a transaction party by name, one to five lines. Party name may be formatted.			
M		3036	**Party name**	M		an..35
			Name of a party.			
			Used to complement code presented in DE 3039, according to qualifier DE 3035.			
D		3036	**Party name**	C		an..35
			Name of a party.			
Not Used		3036	**Party name**	C		an..35
			Name of a party.			
Not Used		3036	**Party name**	C		an..35
			Name of a party.			
Not Used		3036	**Party name**	C		an..35
			Name of a party.			
Not Used		3045	**Party name format code**	C		an..3
			Code specifying the representation of a party name.			
O	C059		**STREET**	C	1	
			Street address and/or PO Box number in a structured address: one to four lines.			
M		3042	**Street and number or post office box identifier**	M		an..35
			To identify a street and number and/or Post Office box number.			
			Street address (line 1) of the party identified.			
D		3042	**Street and number or post office box identifier**	C		an..35
			To identify a street and number and/or Post Office box number.			
D		3042	**Street and number or post office box identifier**	C		an..35
			To identify a street and number and/or Post Office box number.			
D		3042	**Street and number or post office box identifier**	C		an..35
			To identify a street and number and/or Post Office box number.			
O	3164		**CITY NAME**	C	1	an..35
			Name of a city.			
			City or suburb of the location of the party identified, where applicable, such as RICHMOND.			
O	C819		**COUNTRY SUB-ENTITY DETAILS**	C	1	
			To specify a part of a country (eg county or part of a city).			
Must Use		3229	**Country sub-entity name code**	C		an..9
			Code specifying the name of a country sub-entity.			
			State code of the location of the party identified, where applicable, such as NSW, VIC, etc.			
Not Used		1131	**Code list identification code**	C		an..17
			Code identifying a user or association maintained code list.			

Not Used	3055	**Code list responsible agency code**	C		an..3
		Code specifying the agency responsible for a code list.			
Not Used	**3228**	**Country sub-entity name**	**C**		**an..70**
O	**3251**	**POSTAL IDENTIFICATION CODE**	**C**	**1**	**an..17**
		Code specifying the postal zone or address.			

> Postal code of the location of the party identified, where applicable,
> such as 2770, etc
> Format: Numeric
> Minimum length: 4
> Maximum length: 10

O	**3207**	**COUNTRY NAME CODE**	**C**	**1**	**an..3**

Identification of the name of the country or other geographical entity as
defined in ISO 3166-1.
Country code as defined in ISO 3166-1 **two alpha country code**.

Group: # CTA **Segment Group 6: Contact Information**

Position:	0250
Group:	Segment Group 3 (Name and Address) Conditional (Required)
Level:	2
Usage:	Conditional (Optional)
Max Use:	1
Purpose:	A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.
Notes:	This segment is used to identify contact details for the Supplier party specified in the previous NAD segment (NAD DE 3035 = SU).

Example:

CTA+OC+:Account manager'
COM+03 9077 0683:TE'
COM+Seller@supplier.com.au:EM'

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0260	CTA	Contact Information	M	1	
D	0270	COM	Communication Contact	C	2	

Segment: # CTA Contact Information
Position: 0260 (Trigger Segment)
Group: Segment Group 6 (Contact Information)   Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department, and their function, to whom communications should be directed.
Dependency Notes:
Semantic Notes:
Comments:
Notes: Example:

CTA+OC'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
Must Use	3139		**CONTACT FUNCTION CODE**	C	1	an..3

Code specifying the function of a contact (e.g. department or person).

OC   Order contact

An individual to contact for questions regarding this order.

A Supplying party person to contact for questions regarding this order; used with NAD DE 3035 = SU

	Data Element	Component Element	Name		Attributes	
O		C056	**DEPARTMENT OR EMPLOYEE DETAILS**	C	1	

Code and/or name of a department or employee. Code preferred.

	Data Element	Component Element	Name		Attributes	
Not Used		3413	**Department or employee name code**	C		an..17
Must Use		3412	**Department or employee name**	C		an..35

Name of a department or employee.

Supplier contact

Segment: # COM Communication Contact

Position: 0270
Group: Segment Group 6 (Contact Information)   Conditional (Optional)
Level: 3
Usage: Conditional (Dependent)
Max Use: 2
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment identifies the communications number, and type of communications, for the person or department identified in the preceding CTA segment.

If this segment is used at least one communication address is required (email or phone)

Example:

COM+03 9077 0683:TE'
COM+Seller@supplier.com.au:EM'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C076		**COMMUNICATION CONTACT**	M	3
			Communication number of a department or employee in a specified channel.		
M		3148	**Communication address identifier**	M	an..512
			To identify a communication address.		
			When DE C076.3155 = EM: an email address of the contact specified in the previous CTA segment When DE C076.3155 = TE: a phone number of the contact specified in the previous CTA segment Format: Alphanumeric Maximum length: 100		
M		3155	**Communication address code qualifier**	M	an..3
			Code qualifying the communication address.		
			EM Electronic mail		
			Exchange of mail by electronic means.		
			TE Telephone		
			Voice/data transmission by telephone.		

Group: **CUX** Segment Group 8: Currencies
Position: 0320
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments specifying the currencies and related dates/periods valid for the whole order response. Currency data maybe omitted in national applications but will be required for international transactions.
Notes: Pet Circle will use this segment to identify the currency used in the order i.e. the order currency.

Example:
CUX+2:AUD:9'

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M 0330	CUX	Currencies	M	1	

	Segment:	**CUX** Currencies
	Position:	0330 (Trigger Segment)
	Group:	Segment Group 8 (Currencies) Conditional (Optional)
	Level:	1
	Usage:	Mandatory
	Max Use:	1
	Purpose:	A segment identifying the currencies in the order response, e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.

Dependency Notes:
Semantic Notes:
Comments:
Notes:

Example:

CUX+2:AUD:9'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
Must Use	C504		**CURRENCY DETAILS**	C	1	
			The usage to which a currency relates.			
M		6347	**Currency usage code qualifier**	M	an..3	
			Code qualifying the usage of a currency.			
			2 Reference currency			
			The currency applicable to amounts stated. It may have to be converted.			
Must Use		6345	**Currency identification code**	C	an..3	
			Code specifying a monetary unit.			
			Code specifying the currency used for monetary unit Format: ISO 4217 standard three-letter code for currencies worldwide Example: AUD - Australian Dollar NZD - New Zealand dollar			
Must Use		6343	**Currency type code qualifier**	C	an..3	
			Code qualifying the type of currency.			
			9 Order currency			
			The name or symbol of the monetary unit used in an order.			
			Currency code sent is applicable to entire order			
Not Used		6348	**Currency rate value**	C	n..4	
			To specify the value of the multiplication factor used in expressing currency units.			
Not Used	C504		**CURRENCY DETAILS**	C	1	
			The usage to which a currency relates.			
Not Used	5402		**CURRENCY EXCHANGE RATE**	C	1	n..12
			To specify the rate at which one specified currency is expressed in another specified currency.			
Not Used	6341		**EXCHANGE RATE CURRENCY MARKET IDENTIFIER**	C	1	an..3
			To identify an exchange rate currency market.			

	Group:	**LIN** Segment Group 26: Line Item
	Position:	0970
	Group:	
	Level:	1
	Usage:	Conditional (Required)
	Max Use:	200000
	Purpose:	A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.
	Notes:	The detail section of the Purchase Order Response is formed by a repeating group of segments, always starting with the LIN segment. Each occurrence of LIN will usually correspond to a different product being ordered.

Pet Circle will use Item GTIN as product identification.

Example:

LIN+1+5+3600521078419:SRV'
PIA+1+SKU-002649:IN'
PIA+1+VEN-BBKD55:SA'
IMD+F++:::Cats Best Original Natural Litter 5L'
QTY+21:5:EA'
QTY+113:5:EA'
MOA+128:54.9'
PRI+AAB:10.98'

Dependency Notes:

The following notes are relevant to the LIN segment group (SG26) only:
- LIN SG 26 is required for all items if the order is accepted with changes (BGM DE 1225 = 4),
- LIN SG 26 is required if the order is fully rejected (BGM DE 1225 = 27)
- LIN SG 26 is required if the order is fully accepted (BGM DE 1225 = 29)

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0980	LIN	Line Item	M		1
Must Use	0990	PIA	Additional Product Id	C		2
Must Use	1000	IMD	Item Description	C		1
Must Use	1020	QTY	Quantity	C		3
D	1050	DTM	Date/Time/Period	C		1
O	1060	MOA	Monetary Amount	C		1
D	1140	FTX	Free Text	C		1
Must Use	1270		Segment Group 30: Price Details	C		1

Segment: # LIN Line Item
Position: 0980 (Trigger Segment)
Group: Segment Group 26 (Line Item)   Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers, e.g. Buyer product number, etc., can be specified within the following PIA segment.

Dependency Notes:
Semantic Notes:
Comments:
Notes: Examples:

Product with GTIN 0607845051019 is rejected.
LIN+1+7+0607845051019:SRV'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
Must Use	1082		**LINE ITEM IDENTIFIER**	C	1	an..6
			To identify a line item.			
			Application generated sequential line number. The line number must be unique within the current message.			
Must Use	1229		**ACTION REQUEST/NOTIFICATION DESCRIPTION CODE**	C	1	an..3
			Code specifying the action to be taken or already taken.			

       3   Changed

                   The information is to be or has been changed.

                   Used if the ordered line is being accepted with changes

       5   Accepted without amendment

                   This line item is entirely accepted by the seller.

                   Used if the line item does not deviate from the ordered line item

       7   Not accepted

                   This line item is not accepted by the seller.

                   Used if the ordered line item is being rejected

	Data Element	Component Element	Name		Attributes	
Must Use	C212		**ITEM NUMBER IDENTIFICATION**	C	1	
			Goods identification for a specified source.			
Must Use		7140	**Item identifier**	C		an..35
			To identify an item.			
			The Global Trade Item Number (GTIN) of the product being ordered.			
			Format: Numeric			
			Minimum length: 8			
			Maximum length: 14			
Must Use		7143	**Item type identification code**	C		an..3
			Coded identification of an item type.			

          SRV   EAN.UCC Global Trade Item Number

                      A unique number, up to 14-digits, assigned according to the numbering structure of the EAN.UCC system. 'EAN' stands for the 'International Article Numbering Association', and 'UCC' for the

'Uniform Code Council'.

Not Used	1131	**Code list identification code**	**C**		**an..17**

Code identifying a user or association maintained code list.

Not Used	3055	**Code list responsible agency code**	**C**		**an..3**

Code specifying the agency responsible for a code list.

Not Used	C829	**SUB-LINE INFORMATION**	**C**	**1**	

To provide an indication that a segment or segment group is used to
contain sub-line or sub-line item information and to optionally enable the
sub-line to be identified.

Not Used	1222	**CONFIGURATION LEVEL NUMBER**	**C**	**1**	**n..2**

To specify a level within a configuration.

Not Used	7083	**CONFIGURATION OPERATION CODE**	**C**	**1**	**an..3**

Code specifying the configuration operation.

Segment: # PIA Additional Product Id
Position: 0990
Group: Segment Group 26 (Line Item)   Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 2
Purpose: A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

Dependency Notes:
Semantic Notes:
Comments:
Notes: PIA segment is used to provide the identification of the product being ordered.

Examples:

PIA+1+SKU-002649:IN'
PIA+1+VEN-BBKD55:SA'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	4347		**PRODUCT IDENTIFIER CODE QUALIFIER**	M	1	an..3
			Code qualifying the product identifier.			
		1	Additional identification			
			Information which specifies and qualifies product identifications.			
			Used to provide an additional product identification when DE C212.7143 = SA			
M	C212		**ITEM NUMBER IDENTIFICATION**	M	1	
			Goods identification for a specified source.			
Must Use		7140	**Item identifier**	C		an..35
			To identify an item.			
			Used to provide primary or additional information for the product being ordered.			
			When DE C212.7143 = IN Maximum length: 20			
			When DE C212.7143 = SA Maximum length: 35			
Must Use		7143	**Item type identification code**	C		an..3
			Coded identification of an item type.			
		IN	Buyer's item number			
			The item number has been allocated by the buyer.			
			Optional: Pet Circle product code			
		SA	Supplier's article number			
			Number assigned to an article by the supplier of that article.			
			Required: Supplier's product code.			
Not Used		1131	**Code list identification code**	C		an..17
			Code identifying a user or association maintained code list.			
Not Used		3055	**Code list responsible agency code**	C		an..3
			Code specifying the agency responsible for a code list.			
Not Used	C212		**ITEM NUMBER IDENTIFICATION**	C	1	
			Goods identification for a specified source.			

Not Used	**C212**	**ITEM NUMBER IDENTIFICATION**	**C**	**1**
		Goods identification for a specified source.		
Not Used	**C212**	**ITEM NUMBER IDENTIFICATION**	**C**	**1**
		Goods identification for a specified source.		
Not Used	**C212**	**ITEM NUMBER IDENTIFICATION**	**C**	**1**
		Goods identification for a specified source.		

Segment:		**IMD** Item Description			
Position:		1000			
Group:		Segment Group 26 (Line Item) Conditional (Required)			
Level:		2			
Usage:		Conditional (Required)			
Max Use:		1			
Purpose:		A segment for describing the product or service being ordered as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.			

Dependency Notes:
Semantic Notes:
Comments:
Notes:

This segment is used to provide a free form item description.

Example:

IMD+F++:::Product Description'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
Must Use	**7077**		**DESCRIPTION FORMAT CODE**	C	1	an..3
			Code specifying the format of a description.			
		F	Free-form			
			Description of an item in free form text.			
Not Used	**C272**		**ITEM CHARACTERISTIC**	C	1	
			To provide the characteristic of the item being described.			
Must Use	**C273**		**ITEM DESCRIPTION**	C	1	
			Description of an item.			
Not Used		**7009**	**Item description code**	C		an..17
			Code specifying an item.			
Not Used		**1131**	**Code list identification code**	C		an..17
			Code identifying a user or association maintained code list.			
Not Used		**3055**	**Code list responsible agency code**	C		an..3
			Code specifying the agency responsible for a code list.			
Must Use		**7008**	**Item description**	C		an..256
			Free form description of an item.			
			Free form description of product ordered			
D		**7008**	**Item description**	C		an..256
			Free form description of an item.			
Not Used		**3453**	**Language name code**	C		an..3
			Code specifying the language name.			
Not Used	**7383**		**SURFACE OR LAYER CODE**	C	1	an..3
			Code specifying the surface or layer of an object.			

Segment: # QTY Quantity
Position: 1020
Group: Segment Group 26 (Line Item)   Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 3
Purpose: A segment identifying the product quantities e.g. ordered quantity.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

This segment is used to specify the total quantity ordered for the current line identified in the LIN segment and to commit a specific quantity for delivery.

If an item is being changed (LIN DE 1229 = 3), both 'Ordered quantity' and 'Quantity to be delivered' must be provided.

Confirmed unit of measure (DE C186.6411) must be the same as ordered product unit of measure.

Examples:

QTY+21:12:EA'
QTY+113:12:EA'
QTY+83:28:EA'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C186		**QUANTITY DETAILS**	M	1
			Quantity information in a transaction, qualified when relevant.		
M		6063	**Quantity type code qualifier**	M	an..3
			Code qualifying the type of quantity.		
			21 Ordered quantity		
			The quantity which has been ordered.		
			Required: ordered quantity		
			83 Backorder quantity		
			The quantity of goods that is on back-order.		
			Conditional: The quantity of goods that is on back-order.		
			113 Quantity to be delivered		
			The quantity to be delivered.		
			Conditional: committed quantity required when LIN DE 1229 = 3		
M		6060	**Quantity**	M	an..35
			Alphanumeric representation of a quantity.		
			Format: Numeric Maximum length: 15		
Must Use		6411	**Measurement unit code**	C	an..3
			Code specifying the unit of measurement.		
			Recommend use UN/ECE Recommendation 20, Common code. Required when DE C186.6063 = 21 and 113		
			BG Bag		
			CT Carton		
			CS Case		
			EA Each		
			PK Pack		

Segment: # DTM Date/Time/Period
Position: 1050
Group: Segment Group 26 (Line Item)   Conditional (Dependent)
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment specifying date/time/period details relating to the line item only.
Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment is used to specify any dates related to the current line item.

Example:

The back-order delivery is to be made on the 3rd July 2021.
DTM+506:20210703:102'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C507		**DATE/TIME/PERIOD**	M	1
			Date and/or time, or period relevant to the specified date/time/period type.		
M		2005	**Date or time or period function code qualifier**	M	an..3
			Code qualifying the function of a date, time or period.		
			506 Back order delivery date/time/period		
			The date/time/period during which the delivery of a back order will take, or has taken, place.		
			Required by Pet Circle if back order QTY is proposed.		
		2380	**Date or time or period text**	C	an..35
			The value of a date, a date and time, a time or of a period in a specified representation.		
		2379	**Date or time or period format code**	C	an..3
			Code specifying the representation of a date, time or period.		
			102 Qualifier for CCYYMMDD date format.		
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		

	Segment:	**MOA** Monetary Amount
	Position:	1060
	Group:	Segment Group 26 (Line Item) Conditional (Required)
	Level:	2
	Usage:	Conditional (Optional)
	Max Use:	1
	Purpose:	A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.
Dependency Notes:		
Semantic Notes:		
Comments:		
Notes:		This segment provides calculated monetary total amount for the line item:

Example:

Total value of this line item, exclusive of GST
MOA+128:120.00'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C516		**MONETARY AMOUNT**	M	1
			Amount of goods or services stated as a monetary amount in a specified currency.		
M		5025	**Monetary amount type code qualifier**	M	an..3
			Code qualifying the type of monetary amount.		
			128 Total amount		
			The amount specified is the total amount		
			Line item amount excluding allowances, charges and taxes.		
Must Use		5004	**Monetary amount**	C	n..35
			To specify a monetary amount.		
			Format: Numeric, 2 decimal places Maximum length: 15		
Not Used		6345	**Currency identification code**	C	an..3
			Code specifying a monetary unit.		
Not Used		6343	**Currency type code qualifier**	C	an..3
			Code qualifying the type of currency.		
Not Used		4405	**Status description code**	C	an..3
			Code specifying a status.		

Segment:	**FTX** Free Text			
Position:	1140			
Group:	Segment Group 26 (Line Item)	Conditional (Required)		
Level:	2			
Usage:	Conditional (Dependent)			
Max Use:	1			
Purpose:	A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.			

Dependency Notes:
Semantic Notes:
Comments:

Notes: This segment is used to specify any special requirements for the current line item.

If an item is being rejected (LIN DE 1229 = 7) a note indicating the reason why must be included in this segment.

Example:

FTX+LIN+++Item out of stock'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	**4451**		**TEXT SUBJECT CODE QUALIFIER**	M	1	an..3
			Code qualifying the subject of the text.			
			LIN Line item			
			Note contains line item information.			
Not Used	**4453**		**FREE TEXT FUNCTION CODE**	C	1	an..3
			Code specifying the function of free text.			
Not Used	**C107**		**TEXT REFERENCE**	C	1	
			Coded reference to a standard text and its source.			
Must Use	**C108**		**TEXT LITERAL**	C	1	
			Free text; one to five lines.			
M		**4440**	**Free text value**	M		an..512
			Free form text.			
			When LIN DE 1229 = 7; free text note required to indicate the reason for the item rejection.			
D		**4440**	**Free text value**	C		an..512
			Free form text.			
D		**4440**	**Free text value**	C		an..512
			Free form text.			
D		**4440**	**Free text value**	C		an..512
			Free form text.			
D		**4440**	**Free text value**	C		an..512
			Free form text.			
Not Used	**3453**		**LANGUAGE NAME CODE**	C	1	an..3
			Code specifying the language name.			
Not Used	**4447**		**FREE TEXT FORMAT CODE**	C	1	an..3
			Code specifying the format of free text.			

	Group:	**PRI** Segment Group 30: Price Details
	Position:	1270
	Group:	Segment Group 26 (Line Item) Conditional (Required)
	Level:	2
	Usage:	Conditional (Required)
	Max Use:	1
	Purpose:	A group of segments identifying the relevant pricing information for the goods or services ordered.
	Notes:	A group of segments identifying the relevant pricing information for the goods or services ordered.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1280	PRI	Price Details	M	1	

Segment:		**PRI** Price Details			
Position:		1280 (Trigger Segment)			
Group:		Segment Group 30 (Price Details)	Conditional (Required)		
Level:		2			
Usage:		Mandatory			
Max Use:		1			
Purpose:		A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'Unit Price'.			

Dependency Notes:
Semantic Notes:
Comments:
Notes:

Example:

The price is 12.00 per each (GST exclusive).
PRI+AAB:12.00'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
Must Use	C509		**PRICE INFORMATION**	C	1	
			Identification of price type, price and related details.			
M		5125	**Price code qualifier**	M	an..3	
			Code qualifying a price.			
			AAB Calculation gross			
			The price stated is the gross price to which allowances/ charges must be applied.			
			The unit price presented in DE C509.5118 is the calculation gross excluding taxes, allowances and charges.			
Must Use		5118	**Price amount**	C	n..15	
			To specify a price.			
			Format: Numeric, up to 4 decimal places Maximum length: 15			
Not Used		5375	**Price type code**	C	an..3	
			Code specifying the type of price.			
Not Used		5387	**Price specification code**	C	an..3	
			Code identifying pricing specification.			
Not Used		5284	**Unit price basis value**	C	n..9	
			To specify the basis for a unit price.			
Not Used		6411	**Measurement unit code**	C	an..3	
			Code specifying the unit of measurement.			
Not Used	5213		**SUB-LINE ITEM PRICE CHANGE OPERATION CODE**	C	1	an..3
			Code specifying the price change operation for a sub- line item.			

Segment: **UNS** Section Control
Position: 2200
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment placed at the start of the summary section to avoid segment collision.

Dependency Notes:
Semantic Notes:
Comments:
Notes: Example:

UNS+S'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	0081		**SECTION IDENTIFIER**	M	1	a1

A character identifying the next section in a message.

S Detail/summary section separation

To qualify the segment UNS, when separating the detail from the summary section of a message.

Segment: # MOA Monetary Amount
Position: 2210
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment giving the total amounts for the whole order response message.
Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment provides calculated monetary total amount for the order.

Examples:

Total value of this purchase order, exclusive of GST.
MOA+128:1350.00'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C516		**MONETARY AMOUNT**	M	1
			Amount of goods or services stated as a monetary amount in a specified currency.		
M		5025	**Monetary amount type code qualifier**	M	an..3
			Code qualifying the type of monetary amount.		
		128	Total amount		
			The amount specified is the total amount.		
			Total order amount exclusive of GST.		
Must Use		5004	**Monetary amount**	C	n..35
			To specify a monetary amount.		
			Format: Numeric, 2 decimal places Maximum length: 15		
Not Used		6345	**Currency identification code**	C	an..3
			Code specifying a monetary unit.		
Not Used		6343	**Currency type code qualifier**	C	an..3
			Code qualifying the type of currency.		
Not Used		4405	**Status description code**	C	an..3
			Code specifying a status.		

Segment: # CNT Control Total

Position: 2220
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Dependency Notes:
Semantic Notes:
Comments:
Notes: This segment shows the total count of line items in this message (total count of LIN segments between the current UNH - UNT loop).

Example:

Total count of line items (total LIN segment count) is 3.
CNT+2:3'

Data Element Summary

	Data Element	Component Element	Name		Attributes
M	C270		**CONTROL**	M	1
			Control total for checking integrity of a message or part of a message.		
M		6069	**Control total type code qualifier**	M	an..3
			Code qualifying the type of control of hash total.		
		2	Number of line items in message		
			Total count of LIN segments, representing the number of line items being ordered.		
M		6066	**Control total value**	M	n..18
			To specify the value of a control quantity.		
Not Used		6411	**Measurement unit code**	C	an..3
			Code specifying the unit of measurement.		

Segment: # UNT Message Trailer
Position: 2270
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.

Dependency Notes:
Semantic Notes:
Comments:
Notes:

Example:

There are 41 segments within the UNH-UNT loop inclusively.
UNT+41+1'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	0074		**NUMBER OF SEGMENTS IN A MESSAGE**	M	1	n..6
			Control count of number of segments in a message.			
M	0062		**MESSAGE REFERENCE NUMBER**	M	1	an..14
			Unique message reference assigned by the sender.			
			Sequence number of the message in the interchange. DE 0062 in the UNT segment will be exactly the same as in the UNH segment.			

Segment: # UNZ Interchange Trailer
Position: 2290
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange
Dependency Notes:
Semantic Notes:
Comments:
Notes: Example:

UNZ+1+73920001'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	0036		**INTERCHANGE CONTROL COUNT**	M	1	n..6

Count either of the number of messages or, if used, of the number of functional groups in an interchange.

Total count of UNH/UNT segment loop repeats.

	Data Element	Component Element	Name	Attributes		
M	0020		**INTERCHANGE CONTROL REFERENCE**	M	1	an..14

Unique reference assigned by the sender to an interchange.

The value presented here must match with the value presented in DE 0020 in segment UNB.

Example Purchase Order Response Message

UNA:+.? '
UNB+UNOC:3+SUPPLIER_GLN:14+PET CIRCLE:ZZZ+211119:0730+12341++++1'
UNH+0001+ORDRSP:D:01B:UN:EAN009'
BGM+231+POR-278156789+4'
DTM+137:20211119:102'
DTM+2:202111230830:203'

RFF+ON:PO-00000100'

NAD+BY+9377779384084::9'
NAD+SU+SUP_00025::92'
NAD+ST+9377779384091::9'

CUX+2:AUD:9'

LIN+1+7+9310022247262:SRV''
PIA+1+SKU-002649:IN'
PIA+1+VEN-BBKD55:SA'
IMD+F++:::Cats Best Original Natural Litter 5L'
QTY+21:5:EA'
QTY+113:0:EA'
MOA+128:0.0'
FTX+LIN+++Item out of stock'
PRI+AAB:10.98'

LIN+2+5+9312239048229:SRV'
PIA+1+SKU-002652:IN'
PIA+1+VEN-BBKD778:SA'
IMD+F++:::Cats Best Original Natural Litter 30L'
QTY+21:6:EA'
QTY+113:6:EA'
MOA+128:258.42'
PRI+AAB:43.07'

LIN+3+3+4002973191811:SRV''
PIA+1+SKU-002675:IN'
PIA+1+VEN-BBKD997:SA'
IMD+F++:::Product description'

```
QTY+21:48:EA'
QTY+113:20:EA'
QTY+83:28:EA'
DTM+506:2021203:102'
MOA+128:2400.0'
PRI+AAB:50.00'

UNS+S'
MOA+128:2658.42'
CNT+2:3'
UNT+40+0001'
UNZ+1+12341'
```

Disclaimer
All samples shown are for illustration purposes only and may not be true representation of actual values.