

Message Implementation Guideline



Purchase Order Message ORDERS

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

Version 1.3

June 2024



SPS COMMERCE

INFINITE RETAIL POWER™

Document Change Control

Document Version	Released	By SPS Commerce	Changes
V1.0	November 2021	Asad Enait	Created Document
V1.1	May 2022	Asad Enait	Corrected notes under PRI group
V1.2	July 2023	Asad Enait	Added additional Unit of measure in QTY segment
V 1.3	June 2024	Asad Enait	Added new Item type identification code in PIA segment, page 33

Purpose of this Implementation Guide

The purpose of this guide is to provide suppliers with the necessary information to enable the implementation of receipt of electronic Purchase Order message from 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
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 entire message.
- **Detail section** - A segment occurring in this section relates to the detail information only.
- **Summary section** - Only segments containing totals or control information 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.	Seg.		Base	User	Group	Notes and	
No.	ID	Name	Status	Status	Max.Use	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 Message Business Rules

Suppliers will be required to support the receipt of Purchase Order from Pet Circle as part of the process of automating Pet Circle orders shipping to the Distribution Center (DC / Warehouse).

Pet Circle will be sending a Purchase Order with the following Message Function Codes:

- **Original** - the 'Message Function Code' (DE 1225) in the BGM segment will be 9 to indicate an original order
- **Replacement** - the 'Message Function Code' (DE 1225) in the BGM segment will be 5 to indicate a replacement of a previous Purchase Order message with the same Purchase Order number.
- **Cancellation** - the 'Message Function Code' (DE 1225) in the BGM segment will be 1 to indicate a cancellation of a previous Purchase Order message with the same Purchase Order number.

A Purchase Order Response message must be returned to Pet Circle within 1 business day of receipt of the Purchase Order.

If an order is accepted with changes, Pet Circle will review the supplier's requested changes and if accepted will send an updated Purchase Order message (ORDERS) as follows:

- The Message Function Code (DE 1225) in the BGM segment will be 5 indicating a replacement of a previous order with the same Purchase Order number.

Suppliers are expected to replace Pet Circle original order with the Purchase Order replacement received and send a Purchase Order Response fully accepting the 'replace' Purchase Order.

If an order response is sent with back order, Pet Circle will create a new order for backordered items and for remaining item will send an updated Purchase Order message (ORDERS) as follows:

- The Message Function Code (DE 1225) in the BGM segment will be 5 indicating a replacement of a previous order with the same Purchase Order number.

Suppliers are expected to replace Pet Circle original order with the Purchase Order replacement received and send a Purchase Order Response fully accepting the 'replace' Purchase Order.

If Pet Circle doesn't accept the changes made in the Purchase Order Response, the order will be cancelled as follows:

- The Message Function Code (DE 1225) in the BGM segment will be 1 indicating a cancellation of a previous order with the same Purchase Order number.

If Pet Circle amends or cancels the order after receiving a Purchase Order Response accepted in full, Pet Circle will contact the supplier directly to resolve this outside of the electronic trading process.

Note: Pet Circle Buyer can cancel the order immediately after sending it if the need arises.

ORDERS Purchase Order Message

Introduction:

A message specifying details for goods or services ordered under conditions agreed between the seller and the buyer.

Notes:

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

This MIG is designed to support the transmission of Pet Circle Purchase Order flow for the supply chain processes for Warehouse/Distribution Centre (DC). Requirements specific to DC orders will be detailed accordingly throughout the document.

Dependency notes:

Purchase Order messages will convey the following functional usage indicators:

Standard (original) orders are indicated with BGM DE 1225 = 9;
 Replacement orders are indicated with BGM DE 1225 = 5;
 Cancelled orders are indicated with BGM DE 1225 = 1; LIN SG28 will be omitted.

Business rules:

Distribution Centre / Warehouse Purchase Order

- 1) Pet Circle will be the generator / sender of the purchase order message.
- 2) All messages received from Pet Circle must be acknowledged promptly with a Syntax & Service Report (CONTRL) message specified by Pet Circle.
- 3) Purchase Order Response (ORDRSP) is required for all original and changed purchase orders.

Heading Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use		UNA	Service String Advice	C	1		
M	0005	UNB	Interchange Header	M	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	2		
M	0120		Segment Group 2: NAD-SG5	M		3	
M	0130	NAD	Name and Address	M	1		
O	0220		Segment Group 5: CTA-COM	C		1	
M	0230	CTA	Contact Information	M	1		
D	0240	COM	Communication Contact	C	2		
Must Use	0290		Segment Group 7: CUX	C		1	
M	0300	CUX	Currencies	M	1		

Detail Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
D	1030		Segment Group 28: LIN-PIA-IMD-QTY-MOA-FTX-SG32	C		200000	
M	1040	LIN	Line Item	M	1		
Must Use	1050	PIA	Additional Product Id	C	2		
Must Use	1060	IMD	Item Description	C	2		
M	1080	QTY	Quantity	M	1		
Must Use	1120	MOA	Monetary Amount	C	1		
M	1320		Segment Group 32: PRI	M		1	
M	1330	PRI	Price Details	M	1		

Section Control:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
M	2330	UNS	Section Control	M	1		

Summary Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
D	2340	MOA	Monetary Amount	C	1		
Must Use	2350	CNT	Control Total	C	1		
M	2400	UNT	Message Trailer	M	1		
M	2420	UNZ	Interchange Trailer	M	1		

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

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
M	0010	COMPONENT DATA ELEMENT SEPARATOR Composite element delimiter : Colon	M	an..1
M	0020	DATA ELEMENT SEPARATOR Data element delimiter + Plus sign	M	an..1
M	0030	DECIMAL NOTATION 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	an..1
M	0040	RELEASE INDICATOR 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	an..1
M	0050	RESERVED FOR FUTURE USE Not used. White space (blank)	M	an..1
M	0060	SEGMENT TERMINATOR Used to delimit the end of the current segment and start a new segment. ' Apostrophe	M	an..1

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 S001.0001 and DE S001.0002 as UNOC:3.

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

Example:

UNB+UNOC:3+9377779384084:14+SUPPLIER_GLN:14+210317:0730+1001++++1'
 UNB+UNOC:3+TST1PETCIRCLE:ZZZ+SUPPLIER_GLN:14+210317:0730+1001++++1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
			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		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. The identifier / GLN of the receiving 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		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 17th, 2021 is presented as 210317		
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.		
		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
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 message is ORDERS.
 Note: Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 ORDERS 0052 D 0054 01B 0051 UN

Dependency Notes:
Semantic Notes:
Comments:
Notes:

Example:

UNH+0001+ORDERS:D:01B:UN:EAN011'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	0062		MESSAGE REFERENCE NUMBER 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 1 an..14
M	S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M 1
M		0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. ORDERS Purchase order message A code to identify the purchase order message.	M an..6
M		0052	Message type version number 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 an..3
M		0054	Message type release number 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 an..3
M		0051	Controlling agency 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).	M an..2
Must Use		0057	Association assigned code Code, assigned by the association responsible for the design and	C an..6

maintenance of the message type concerned, which further identifies the message.

EAN011 EAN 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 by means of its name and 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.

The following notes are applicable to the BGM segment only:

When DE 1225 = 5: suppliers are required to replace the previous version of Purchase Order with the current version in its entirety.

When DE 1225 = 1: suppliers are required to cancel the previous version of Purchase Order.

Examples:

Original Purchase Order
BGM+220+PO-00000100+9'

Replacement Purchase Order will supersede the purchase order sent previously.
BGM+220+PO-00000100+5'

Cancellation Purchase Order will supersede the purchase order sent previously.
BGM+220+PO-00000100+1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C002		DOCUMENT/MESSAGE NAME Identification of a type of document/message by code or name. Code preferred.	C 1
Must Use		1001	Document name code Code specifying the document name. 220 Order Document/message by means of which a buyer initiates a transaction with a seller involving the supply of goods or services as specified, according to conditions set out in an offer, or otherwise known to the buyer.	C an..3
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
Not Used		1000	Document name Name of a document.	C an..35
Must Use	C106		DOCUMENT/MESSAGE IDENTIFICATION Identification of a document/message by its number and eventually its version or revision.	C 1
Must Use		1004	Document identifier To identify a document.	C an..35

Purchase Order number assigned by Pet Circle

Format: Alphanumeric
Maximum length: 20

Not Used	1056	Version identifier To identify a version.	C	an..9
Not Used	1060	Revision identifier To identify a revision.	C	an..6
Must Use	1225	MESSAGE FUNCTION CODE Code indicating the function of the message.	C	1 an..3
		1 Cancellation Message cancelling a previous transmission for a given transaction. A cancellation of a previous order with the same purchase order number.		
		5 Replace Message replacing a previous message. A replacement of a previous order with the same purchase order number.		
		9 Original Initial transmission related to a given transaction. An original transmission of a purchase order.		
Not Used	4343	RESPONSE TYPE CODE Code specifying the type of acknowledgment required or transmitted.	C	1 an..3

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 date. Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order and, if no schedule is to be specified, the delivery date. The Date/time/period segment within other Segment group should be used whenever the date/time/period requires 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 and/or dates relating to the delivery or collection of the goods.

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

Examples:

Purchase Order creation date
DTM+137:20211117:102'

Delivery Requested window
DTM+64:202111140900:203'
DTM+63:202111201130:203'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
			63 Delivery date/time, latest [2025] Date identifying a point of time after which goods shall not or will not be delivered. Required	
			64 Delivery date/time, earliest Date identifying a point in time before which the goods shall not be delivered. Required:	
			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 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	CCYMMDD		
	Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		
203	CCYMMDDHHMM		
	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: 2
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 free form text information for the entire purchase order.

Examples:

FTX+DIN+++Bookings are ESSENTIAL for deliveries to Warehouse,

FTX+PUR+++Confirm stock as soon as receiving the purchase order'

Data Element Summary

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

Group: **NAD** Segment Group 2: Name and Address
Position: 0120
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 SG2.

Contact details are provided for general enquiries related to the content of the purchase orders. It is advised that the contact details provided are extracted and updated in the supplier's systems accordingly as the details may be changed from time to time.

Examples:

Pet Circle as a Buyer:

NAD+BY+9377779384084::9++MILLELL PTY LTD+Level 7, 9 Castlereagh
 St+Sydney+NSW+2000+AU'
 CTA+PD+:Buyer'
 COM+0400668272:TE'
 COM+accounts@PetCircle.com.au:EM'

Supplier:

NAD+SU+SUP-00025::92++Best Pet Product+PO BOX 999+Richmond+VIC+3121+AU'
 CTA+OC+:Account manager'
 COM+03 9077 0683:TE'
 COM+Seller@supplier.com.au:EM'

Pet Circle DC:

NAD+ST+9377779384091::9++Eastern Creek DC+Warehouse 3, 60 Wallgrove Rd+Eastern
 Creek+NSW+2770+AU'
 CTA+GR:Stock Receiving'
 COM+0292503414:TE'

Segment Summary

	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID		Des.	Use	Repeat
M	0130	NAD	Name and Address	M	1	
O	0220		Segment Group 5: Contact Information	C		1

Segment: **NAD** Name and Address
Position: 0130 (Trigger Segment)
Group: Segment Group 2 (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. Identification of the seller and buyer parties is mandatory for the order 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 including the buyer (Pet Circle), the supplier and the Ship to Location (DC / Warehouse)

For examples, see explanatory notes in NAD Segment Group 2 (SG2).

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party.	M 1 an..3
		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 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 Identification of a transaction party by code.	C 1
M		3039	Party identifier Code specifying the identity of a party. Required: For DE 3035 = BY, SU and ST	M an..35
			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.		
		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.		
Not Used	C058		NAME AND ADDRESS	C	1
			Unstructured name and address: one to five lines.		
Must Use	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
Not Used		3036	Party name	C	an..35
Not Used		3036	Party name	C	an..35
Not Used		3045	Party name format code	C	an..3
D	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.		
			Required: when DE 3035 = BY and ST		
			Optional: when DE 3035 = SU		
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.		
D	3164		CITY NAME	C	1 an..35
			Name of a city.		
			City or suburb of the location of the party identified, such as Richmond.		
			Required: when DE 3035 = BY and ST		
			Optional: when DE 3035 = SU		
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, such as NSW, VIC, etc.		
			Required: when DE 3035 = BY and ST		
			Optional: when DE 3035 = SU		
Not Used		1131	Code list identification code	C	an..17
Not Used		3055	Code list responsible agency code	C	an..3
Not Used		3228	Country sub-entity name	C	an..70

D	3251	POSTAL IDENTIFICATION CODE	C	1 an..17
<p>Code specifying the postal zone or address.</p> <p>Postal code of the location of the party identified, such as 3121, etc. Required: when DE 3035 = BY and ST Optional: when DE 3035 = SU</p>				
D	3207	COUNTRY NAME CODE	C	1 an..3
<p>Identification of the name of the country or other geographical entity as defined in ISO 3166-1.</p> <p>Country code as defined in ISO 3166-1 two alpha country code. Required: when DE 3035 = BY and ST Optional: when DE 3035 = SU</p>				

Group: **CTA** Segment Group 5: Contact Information
Position: 0220
Group: Segment Group 2 (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 party specified in the previous NAD segment.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0230	CTA	Contact Information	M	1	
D	0240	COM	Communication Contact	C	2	

Segment: **CTA Contact Information**
Position: 0230 (Trigger Segment)
Group: Segment Group 5 (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: For examples, see explanatory notes in NAD SG2

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	3139		CONTACT FUNCTION CODE	C 1 an..3
			Code specifying the function of a contact (e.g. department or person).	
			GR Goods receiving contact Department/person responsible for receiving the goods at the place of delivery. Used when NAD DE 3035 = ST	
			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	
			PD Purchasing contact Department/person responsible for issuing this purchase order. Used when NAD DE 3035 = BY	
O	C056		DEPARTMENT OR EMPLOYEE DETAILS	C 1
			Code and/or name of a department or employee. Code preferred.	
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. When DE 3139 = PD: Pet Circle representative responsible for the category to be purchased from the supplier When DE 3139 = OC: Supplier's contact When DE 3139 = GR: Contact at the warehouse	
			Format: Alphanumeric Maximum length: 35	

Segment: **COM** **Communication Contact**
Position: 0240
Group: Segment Group 5 (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+accounts@PetCircle.com.au:EM'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C076		COMMUNICATION CONTACT Communication number of a department or employee in a specified channel.	M 2
M		3148	Communication address identifier 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: phone number of the contact specified in the previous CTA segment	M an..512
M		3155	Communication address code qualifier Code qualifying the communication address. EM Electronic mail Exchange of mail by electronic means. TE Telephone Voice/data transmission by telephone.	M an..3

Group: **CUX** Segment Group 7: Currencies
Position: 0290
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions.
Notes: Pet Circle will use this segment group to identify the currency used in the order i.e. the order currency.
 Example:
 CUX+2:AUD:9'

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0300	CUX	Currencies	M	1	

Segment: **CUX Currencies**
Position: 0300 (Trigger Segment)
Group: Segment Group 7 (Currencies) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the currencies required in the order 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

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C504		CURRENCY DETAILS The usage to which a currency relates.	C 1
M		6347	Currency usage code qualifier Code qualifying the usage of a currency. 2 Reference currency The currency applicable to amounts stated. It may have to be converted.	M an..3
Must Use		6345	Currency identification code 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	C an..3
Must Use		6343	Currency type code qualifier 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	C an..3
Not Used		6348	Currency rate value To specify the value of the multiplication factor used in expressing currency units.	C n..4
Not Used	C504		CURRENCY DETAILS The usage to which a currency relates.	C 1
Not Used	5402		CURRENCY EXCHANGE RATE To specify the rate at which one specified currency is expressed in another specified currency.	C 1 n..12
Not Used	6341		EXCHANGE RATE CURRENCY MARKET IDENTIFIER To identify an exchange rate currency market.	C 1 an..3

Group: **LIN** Segment Group 28: Line Item
Position: 1030
Group:
Level: 1
Usage: Conditional (Dependent)
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 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++9312239001767:SRV'
 PIA+1+SKU-002649:IN'
 PIA+1+VEN-BBKD55:SA'
 IMD+F+:::ITEM DESCRIPTION'
 QTY+21:5:EA'
 MOA+128:43.92'
 PRI+AAB:10.98'

Dependency Notes:

The following notes are relevant to the LIN Segment Group (SG28):
 - LIN SG 28 is required for an original order (BGM DE 1225 = 9) and an order change (BGM DE 1225 = 5).
 - LIN GS28 will be omitted for an order cancellation (BGM DE 1225 = 1).

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1040	LIN	Line Item	M	1	
Must Use	1050	PIA	Additional Product Id	C	2	
Must Use	1060	IMD	Item Description	C	2	
Must Use	1080	QTY	Quantity	C	1	
Must Use	1120	MOA	Monetary Amount	C	1	
Must Use	1320		Segment Group 32: Price Details	C		1

Segment: **LIN** Line Item
Position: 1040 (Trigger Segment)
Group: Segment Group 28 (Line Item) Conditional (Dependent)
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: For examples, see explanatory notes in LIN Segment Group 28 (SG28)

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	1082		LINE ITEM IDENTIFIER To identify a line item. Application generated sequential line number of the ordered item. The line number must be unique within the current message and will reflect the exact sequence appeared in the buying application. The line number may not always be sequential.	C 1 an..6
Not Used	1229		ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	C 1 an..3
M	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C 1
Must Use		7140	Item identifier To identify an item. Product Global Trade Item Number (GTIN-8, GTIN-12, GTIN-13, GTIN-14) Format: Numeric Minimum length: 8 Maximum length: 14	C an..35
Must Use		7143	Item type identification code 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'.	C an..3
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
Not Used	C829		SUB-LINE INFORMATION 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.	C 1
Not Used	1222		CONFIGURATION LEVEL NUMBER To specify a level within a configuration.	C 1 n..2
Not Used	7083		CONFIGURATION OPERATION CODE Code specifying the configuration operation.	C 1 an..3

Segment: **PIA** Additional Product Id
Position: 1050
Group: Segment Group 28 (Line Item) Conditional (Dependent)
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.

Note:

If the product group (PIA02-02 (C212:7143) = GB) with value "Perishable" is sent, then ASN must contain either Best before date or Use By date. ASN will not be processed by Pet circle's system If the abovementioned date is not present in ASN for the product.

Examples:

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

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT IDENTIFIER CODE QUALIFIER Code qualifying the product identifier. 1 Additional identification Information which specifies and qualifies product identifications. Used to provide an additional product identification Required: when DE C212.7143 = SA	M 1 an..3
M	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M 1
Must Use		7140	Item identifier 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, GB Maximum length: 35	C an..35
Must Use		7143	Item type identification code Coded identification of an item type. GB Buyer's internal product group code Product group code used within a buyer's internal systems. Optional: Pet circle product category/ classification code. Used to indicate perishable product IN Buyer's item number The item number has been allocated by the buyer. Required: Pet Circle product code	C an..3

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: 1060
Group: Segment Group 28 (Line Item) Conditional (Dependent)
Level: 2
Usage: Conditional (Required)
Max Use: 2
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 and to indicate an organic product.

Example:

IMD+F+++::EXAMPLE PRODUCT 001'
 IMD+F+98::9+::500 ML'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
				C	an..
Must Use	7077		DESCRIPTION FORMAT CODE Code specifying the format of a description. F Free-form Description of an item in free form text.	C	1 an..3
D	C272		ITEM CHARACTERISTIC To provide the characteristic of the item being described.	C	1
M		7081	Item characteristic code Code specifying the characteristic of an item. 98 Size Description of size in non-numeric terms.	C	an..3
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C	an..17
M		3055	Code list responsible agency code Code specifying the agency responsible for a code list. 9 EAN International EAN International, an organization of EAN Member Organizations, who along with the Uniform Code Council manages the EAN.UCC System.	C	an..3
Must Use	C273		ITEM DESCRIPTION Description of an item.	C	1
Not Used		7009	Item description code Code specifying an item.	C	an..17
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C	an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C	an..3
Must Use		7008	Item description Free form description of an item. Free form description of product ordered by Pet Circle or the pack size	C	an..256
D		7008	Item description Free form description of an item.	C	an..256

Not Used	3453	Language name code Code specifying the language name.	C	an..3
Not Used	7383	SURFACE OR LAYER CODE Code specifying the surface or layer of an object.	C	1 an..3

Segment: **QTY** Quantity
Position: 1080
Group: Segment Group 28 (Line Item) Conditional (Dependent)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment identifying the product quantities e.g. ordered quantity.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to provide a quantity related to an item ordered based on an agreed order multiple and minimum amounts.

Examples:

Quantity ordered is 78 pieces (each).
 QTY+21:78:EA'

Quantity ordered is 2 cartons.
 QTY+21:2:CT'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M 1
M		6063	Quantity type code qualifier Code qualifying the type of quantity. 21 Ordered quantity The quantity which has been ordered. Required: ordered quantity or the item	M an..3
M		6060	Quantity Alphanumeric representation of a quantity. Format: Numeric, integer. Maximum length: 15	M an..35
Must Use		6411	Measurement unit code Code specifying the unit of measurement. Required when DE C186.6063 = 21 BG Bag CT Carton CS Case EA Each PK Pack	C an..3

Segment: **MOA Monetary Amount**
Position: 1120
Group: Segment Group 28 (Line Item) Conditional (Dependent)
Level: 2
Usage: Conditional (Required)
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

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

Group: **PRI** Segment Group 32: Price Details
Position: 1320
Group: Segment Group 28 (Line Item) Conditional (Dependent)
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: This segment group is used to specify the unit price for the line item being ordered.
 The value in segment PRI DE C509.5118 will always be calculation gross excluding taxes, allowances and charges.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	1330	PRI	Price Details	M	1	

Segment: **PRI Price Details**
Position: 1330 (Trigger Segment)
Group: Segment Group 32 (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 'price'.

Dependency Notes:
Semantic Notes:
Comments:
Notes:

Pricing unit of measure is the same as purchasing unit of measure (QTY DE C186.6411).

If a product is ordered by 'EA' (each), then the unit price is per each
 If a product is ordered by 'CT' (carton), then the unit price is per carton

Examples:

The price is \$12.00 per piece (GST exclusive).

QTY+21:78:EA'
PRI+AAB:12.00'

The price is \$61.20 per carton (GST exclusive)

QTY+21:2:CT'
PRI+AAB:61.20'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C509		PRICE INFORMATION Identification of price type, price and related details.	C 1
M		5125	Price code qualifier 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.	M an..3
Must Use		5118	Price amount To specify a price. Format: Numeric, up to 2 decimal places Maximum length: 15	C n..15
Not Used		5375	Price type code Code specifying the type of price.	C an..3
Not Used		5387	Price specification code Code identifying pricing specification.	C an..3
Not Used		5284	Unit price basis value To specify the basis for a unit price.	C n..9
Not Used		6411	Measurement unit code Code specifying the unit of measurement.	C an..3
Not Used	5213		SUB-LINE ITEM PRICE CHANGE OPERATION CODE Code specifying the price change operation for a sub- line item.	C 1 an..3

Segment: **UNS** Section Control
Position: 2330
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

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0081		SECTION IDENTIFIER	M 1 a1
		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: 2340

Group:

Level: 1

Usage: Conditional (Dependent)

Max Use: 1

Purpose: A segment giving the total amounts for the whole order 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'

Dependency Notes:

Total order amounts (MOA segments) will not be sent in an order cancellation (BGM DE 1225 = 1).

Data Element Summary

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

Segment: **CNT** Control Total
Position: 2350
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

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C270		CONTROL Control total for checking integrity of a message or part of a message.	M 1
M		6069	Control total type code qualifier Code qualifying the type of control of hash total. 2 Number of line items in message	M an..3
M		6066	Control total value To specify the value of a control quantity.	M n..18
Not Used		6411	Measurement unit code Code specifying the unit of measurement.	C an..3

Segment: **UNT** Message Trailer
Position: 2400
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

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0074		NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M 1 n..6
M	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M 1 an..14

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: 2420
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+1001'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
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 Message

UNA:+.? '

UNB+UNOC:3+9377779384084:14+SUPPLIER_GLN:14+211109:0830+12341++++1'

UNH+1+ORDERS:D:01B:UN:EAN011'

BGM+220+PO-00000100+9'

DTM+137:20211109:102'

DTM+64:202111140900:203'

DTM+63:202111201130:203'

FTX+DIN+++Bookings are ESSENTIAL for deliveries to Warehouse'

FTX+PUR+++Confirm stock as soon as receiving the order'

NAD+BY+9377779384084::9++MILLELL PTY LTD+Level 7, 9 Castlereagh St+Sydney+NSW+2000+AU'

CTA+PD+:Buyer'

COM+0400668272:TE'

COM+accounts@PetCircle.com.au:EM'

NAD+SU+SUP-00025::92++Best Pet Product+PO BOX 999+Richmond+VIC+3121+AU'

CTA+OC+:Account Manager'

COM+03 9077 0683:TE'

COM+Seller@supplier.com.au:EM'

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

CTA+GR:Stock Receiving'

COM+0292503414:TE'

CUX+2:AUD:9'

LIN+1++9312239001767:SRV'

PIA+1+SKU-002649:IN'

PIA+1+VEN-BBKD55:SA'

IMD+F+++::Cats Best Original Natural Litter 5L'

IMD+F+98::9+:::5L'

QTY+21:5:EA'

MOA+128:54.9'

PRI+AAB:10.98'

LIN+2++068596847397:SRV'

PIA+1+SKU-002649:IN'

PIA+1+VEN-BBKD55:SA'

IMD+F+++::CAT LITT NAT 12KG'

IMD+F+98::9+:::12KG'
QTY+21:10:EA'
MOA+128:370.9'
PRI+AAB:37.9'

UNS+S'

MOA+128:425.8'
CNT+2:2'
UNT+39+1'
UNZ+1+12341'

Disclaimer

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