



SUL

Purchase Order Message Implementation Guideline

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

For

DSD & DC Delivery model

V1.3



1. Contacts

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2. Disclaimer

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3. Change Control

MIG Version	Section Modified	Nature of Change/Comments	Source/reason for change
V1.3	Section 1	Adjusted contact details	
	Section 7	Included generic product details	
	IMD (1060)	Included generic product details	
V1.2	Whole document	Changed reference to Supercheap Auto Group to SUL and added Goldcross Logo	
	Whole document	Updated document to reflect EANCOM 2002, Edition 2008	Updated to current version
	Section 6	Changed reference from "eCommerce B2B Overview for Suppliers" to "Trade Partner EDI Guide"	Document name changed.
	PRI (1330)	In C509, changed DEs 5284 and 6411 to be Required	Requirement of SAP
V1.1	Section 4	Note on authoritative information included	
	Section 7	Note on authoritative information included	
V1.0	-	First published version	-

4. Summary: Data Content

This section contains an overview of the content and structure of the Purchase Order message as an aid to understanding. It should be noted that while this is indicative of the content and structure of a Purchase Order message, the detailed implementation guideline that forms the majority of the document is the only authoritative source of content and structure. In the event of a discrepancy between the information in this section and the information in the detailed implementation guideline, the detailed implementation guideline should prevail.

Header Section				
Segment	Element	Format	Usage	Field Name / Description
BGM	1001	code list value	R	Flag message type as 220 = Order or 224 = Rush order
BGM	1004	an..35	R	Customer Purchase Order Number
BGM	1225	code list value	R	Original, Duplicate or Replace function
DTM	2380	date	R	Purchase Order Date
NAD	3039	an..35	R	Buyer Identifier (SUL GLN) (3035 = BY)
NAD	C080	an..35 x 2	O	Buyer Name
NAD	C059, 3164, C819, 3251, 3207		O	Buyer Address
NAD	3039	an..35	R	Supplier Identifier (Supplier GLN) (3035 = SU)
NAD	C080	an..35 x 2	O	Supplier Name
NAD	C059, 3164, C819, 3251, 3207		O	Supplier Address
NAD	3039	an..35	R	Ship To Location Identifier (Store GLN) (3035 = ST)
NAD	C080	an..35 x 2	R	Store Name
NAD	C059, 3164, C819, 3251, 3207		R	Store Address
CTA	3412	an..35	O	Buyer Contact Name
COM	3148	an..512	O	Buyer Contact Details (phone, fax and/or email)
CTA	3412	an..35	O	Supplier's Sales Representative Contact Name
COM	3148	an..512	O	Supplier's Sales Representative Contact Details (phone, fax and/or email)
CUX	6345	code (an..3)	R	Currency code
Detail Section				
LIN	1082	an..6	R	Line Item Number (sequential count)
LIN	7140	an..35	R	Global Trade Item Number (GTIN)
PIA	7140	an..35	O	Buyer's Item Number (SUL #) (7143 = IN)
PIA	7140	an..35	O	Supplier's Item Number (vendor product #) (7143 = SA)
IMD	7008	an..256 x 2	O	Item Description
QTY	6060	an..35	R	Ordered Quantity
QTY	6060	an..35	D	Number of Consumer Units in Traded Unit (required for trade items containing consumer units)
QTY	6411	code list value	O	Ordered Unit of Measure (e.g. Each, Roll, Bucket, Bag)
DTM	2380	date	R	Delivery Requested Earliest & Latest (2005 = 64 & 63) Note: Latest date will be the one provided by SUL (one date only out of SAP). SUL to calculate Earliest Date value by subtracting 7 days from Latest date.
PRI	5118	n..15	R	Unit Price per unit or per UoM (excluding GST)
PRI	5284	n..9	R	Unit Price Basis



TAX	5278	an..17	R	<i>GST rate</i>
Summary Section				
MOA	5004	n..35	R	<i>Total order amount</i> (excluding GST)
CNT	6066	n..18	R	Total number of line items in message (control total)



5. Reading this Document

Introduction to UN/EDIFACT terminology:

A UN/EDIFACT (ISO 9735) file is called an “*interchange*”. This is the EDI terminology. The interchange is made up of *segments*, which is also an EDI term equivalent to the term “record”.

An interchange starts with an interchange header segment called “UNB” and terminates with an interchange trailer segment called “UNZ”. Within the UNB – UNZ envelope are the segments that comprise either functional groups (not being used by Hardware) or the electronic EDI business *messages* themselves. Each business message begins with a header “UNH” segment and terminates with a trailer “UNT” segment. In between the message header and trailer are the user segments containing the business data.

Sample below¹:

UNB	(start of interchange)
UNH	(start of first business message)
.....user segments	
UNT	(end of first business message)
UNH	(start of second business message)
.....user segments	
UNT	(end of second business message)
UNZ	(end of interchange)

Segments are made up of one or more data *elements*. Each data element in a segment is separated by a plus (+) symbol. A data element can be made up of *components*, which are separated from each other by a colon (:). Segments are terminated by the apostrophe ('). See data stream examples in sample message and on segments in the MIG.

UN/EDIFACT segments are given a *Base Status*, whilst the segments are given *Base Attributes*.

Base Status/Attributes:

M - Mandatory: this segment/element must always be sent²

C - Conditional: this segment/element may be sent, see User Status/User Attributes (below)

¹ This Message Implementation Guideline (MIG) does not include the specifications for the interchange segments (UNB & UNZ) as typically they are generated automatically and contain the addressing data required to deliver the interchange across the communications medium being used to exchange messages between trading partners. Many users use their GS1 company Global Location Number (GLN) for addressing purposes.

² Note that a segment with status “M” may occur in a group with status “C” so if the group is not used, then the segment is not used either. However if the group is used the segment must be used. Similarly with data elements.



This Message Implementation Guideline (MIG):

In this MIG only those segments in the standard message that are to be used are specified. Any segments not used have been omitted for readability. However, within the specification of each segment, all data elements are identified, even if they are not used. Where unused data elements appear before data elements that are used, the missing data elements must be indicated as the placement of data elements within a segment is critical.

The following *User Status/Attributes* indicate the usage of particular segments and elements within this MIG.

User Status/Attributes:

- M - Mandatory: Base Status/Attribute is mandatory so user status must also be mandatory
- R - Required: Base Status/Attribute is Conditional, but for this MIG it must always be sent
- D - Dependent: must or may be sent where stated conditions apply
- O - Optional: may be sent, by agreement between parties
- X - Not Used: never sent

Notation:

Wherever possible notes have been inserted into the MIG content (shown as shaded) to clarify how the data is to be used as well as any business rules to follow.

Most segments have a shaded block of notes at the beginning of the segment. Much of this is automatically generated text from the EANCOM superset on which this MIG is based.

As such, please use as your primary reference, the data element specification, which begins in each segment immediately below the heading “*Data Element Summary*”.



6. Purchase Order and Purchase Order Response Implementation Rules

This section describes how electronic purchase orders (ORDERS document) and purchase order responses (ORDRSP document) are to be used in trading electronically with **SUL**.

1. **SUL** will send the supplier a purchase order in the format identified in the ORDERS message implementation guideline (this document).
2. The supplier will return a purchase order response to **SUL** in the format identified in the ORDRSP message implementation guideline.

If the whole order is accepted, the content of the purchase order will be reproduced in the purchase order response, i.e. all header information and all line item information will be returned to **SUL**. This indicates that the supplier is able to fulfil the order exactly as requested, i.e. for each item identified, the supplier can supply the specified quantities at the specified prices on the specified dates to the specified location and meeting all other specified conditions of supply.

If there are issues with accepting the whole order in its entirety, the purchase order response will include a proposed modification of the purchase order that the supplier is able to fulfil, i.e. the content from the referenced purchase order, modified if necessary to reflect the items, quantities, prices, dates and other conditions of supply that the supplier is able to meet, will be returned in the purchase order response.

Any order that is rejected or changed at either header level or at line level is to be considered cancelled and **must not** be actioned in any way by the supplier until further advised by **SUL**.

SUL requires a purchase order response for all purchase orders regardless of whether the purchase order is accepted or rejected.

3. If the supplier did not accept the original purchase order as specified, **SUL** may amend the order and send that to the supplier with the same purchase order number. This will be sent as a purchase order in the format identified in this message implementation guideline.
4. The supplier will respond to this purchase order as identified above at point 2.

More detail is available in the Trade Partner EDI Guide document.



7. Sample Message

Note that the GTINs and GLNs in these examples are for illustrative purposes only, and are not intended to reflect real products or parties. Furthermore, it should be noted that while this is indicative of the content and structure of the message, the detailed implementation guideline that forms the majority of the document is the only authoritative source of content and structure. In the event of a discrepancy between the information in this section and the information in the detailed implementation guideline, the detailed implementation guideline should prevail.

Purchase order 4500212406 for 2 products shipped directly to one store location.

Message data	Explanation
UNH+52800001+ORDERS:D:01B:UN:EAN010' BGM+220+4500212406+9' DTM+137:20060429:102' NAD+BY+9327303033490::9' CTA+PD+:ALEX DONOVAN' COM+07 3480 7722:TE' COM+07 3205 8588:FX' NAD+SU+9377778023205::9' NAD+ST+9327303031205::9++SUPER CHEAP AUTO CHERMSIDE+750 GYMPIE RD+ CHERMSIDE+QLD+4032+AU' CUX+2:AUD:9'	Message header with reference number 52800001 Original purchase order, number 4500212406 Message sent 29 th April 2006 Buyer GLN Purchasing contact name Purchasing contact phone number Purchasing contact fax number Supplier GLN Store GLN, name and address Order is in Australian dollars
LIN+1++9313857107299:SRV' PIA+1+0555:IN' PIA+1+11111:SA' IMD+F+++::GREEN WIDGET' QTY+21:1.000:EA' DTM+64:20060922:102' DTM+63:20060929:102' PRI+AAA:34.83:::1:EA' TAX+7+GST+++:::10'	First line item GTIN Buyer's item number Supplier's item number Free form description Order quantity is 1 Deliver on or after 22 September 2006 Deliver before or on 29 September 2006 Price is \$34.83 ex-GST GST rate is 10%
LIN+2++9313857107305:SRV' PIA+1+0583:IN' PIA+1+10152:SA' IMD+F+++::BLUE WIDGET' QTY+21:1.000:EA' DTM+64:20060915:102' DTM+63:20060922:102' PRI+AAA:34.83:::1:EA' TAX+7+GST+++:::10'	Second line item GTIN Buyer's item number Supplier's item number Free form description Order quantity is 1 Deliver on or after 15 September 2006 Deliver before or on 22 September 2006 Price is \$34.83 ex-GST GST rate is 10%
UNS+S' MOA+79:69.66' CNT+2:2' UNT+32+52800001'	Total value of this order is 69.66 ex-GST 2 line items in the order 32 segments and reference 52800001



ORDERS Purchase Order Message

Introduction:

The ORDERS message specifies details for goods or services ordered under conditions agreed between the customer and supplier.

Notes:

SUL PURCHASE ORDER

This Message Implementation Guide (MIG) is based on the EANCOM® 2002 Australian Retail combined with the Australian Automotive Aftermarket Industry Implementation Guidelines.

Purchase order response requirements will be as per agreed process between SUL and suppliers. As such, no indication will be given in the purchase order message itself as to whether an application level response is required.

Heading Section:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M	0010	UNH	Message Header	M	1	
M	0020	BGM	Beginning of Message	M	1	
M	0030	DTM	Date/Time/Period	M	5	
M	0120	Segment Group 2: NAD-SG5		M	10	
M	0130	NAD	Name and Address	M	1	
O	0220	Segment Group 5: CTA-COM		C	1	
M	0230	CTA	Contact Information	M	1	
O	0240	COM	Communication Contact	C	2	
R	0290	Segment Group 7: CUX		C	5	
M	0300	CUX	Currencies	M	1	

Detail Section:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
R	1030	Segment Group 28: LIN-PIA-IMD-QTY-DTM-SG32-SG38		C	200000	
M	1040	LIN	Line Item	M	1	
O	1050	PIA	Additional Product Id	C	3	
D	1060	IMD	Item Description	C	1	
M	1080	QTY	Quantity	M	3	
R	1110	DTM	Date/Time/Period	C	35	
R	1320	Segment Group 32: PRI		C	1	
M	1330	PRI	Price Details	M	1	
R	1610	Segment Group 38: TAX		C	10	
M	1620	TAX	Duty/Tax/Fee Details	M	1	

Section Control:

Pos.	Seg.	Req.	Group	Notes and
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Australia



	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>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>
R	2340	MOA	Monetary Amount	C	1		
M	2350	CNT	Control Total	M	2		
M	2400	UNT	Message Trailer	M	1		



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.

Notes: This segment is used to head, identify and specify a message.
 DE's 0065, 0052, 0054, and 0051: Indicate that the message is an UNSM Purchase Order based on the D.01B directory under the control of the United Nations.
 DE 0057: Indicates that the message is the EANCOM version 010 of the UNSM Purchase Order.

Example:
 UNH+1+ORDERS:D:01B:UN:EAN010'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
				M	an..
M	0062		MESSAGE REFERENCE NUMBER	M	1 an..14
			Sender's unique message reference. Sequence number of the message in the interchange. DE 0062 in the UNT segment will be exactly the same. Sender generated.		
M	S009		MESSAGE IDENTIFIER	M	1
M		0065	Message type identifier	M	an..6
			ORDERS		Purchase order message
					A code to identify the purchase order message.
M		0052	Message type version number	M	an..3
			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
			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
			UN		UN/CEFACT
					United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).
R		0057	Association assigned code	C	an..6
			EAN010		GS1 Version Control Number
X	0068		COMMON ACCESS REFERENCE	C	1 an..35
X	S010		STATUS OF THE TRANSFER	C	1
X		0070	Sequence message transfer number	M	n..2
X		0073	First/last sequence message transfer indication	C	a1



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.
Notes: This segment is used to indicate the type and function of a message and to transmit the identifying number.
 Example:
 BGM+220+PO12341998+9'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	C002		DOCUMENT/MESSAGE NAME	C 1
R		1001	Document name code	C an..3
		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.	
			Sometimes referred to as a Standalone order.	
		224	Rush order	
			Document/message for urgent ordering.	
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X		1000	Document name	C an..35
R	C106		DOCUMENT/MESSAGE IDENTIFICATION	C 1
R		1004	Document identifier	C an..35
			SUL Purchase Order Number	
X		1056	Version identifier	O an..9
X		1060	Revision identifier	C an..6
R	1225		MESSAGE FUNCTION CODE	C 1 an..3
			Code 9 in this data element will indicate that this is an original order.	
			Code 5 in this data element will indicate that this order is a modification of a previously sent order having the same order number. The Supplier will have indicated that it is unable to fulfil the previous version of the order, and this version is a replacement that the Supplier should be able to fulfil.	
			Code 7 is not currently being used; however it will be developed at some future point, probably phase 2.	
		5	Replace	
			Message replacing a previous message.	
		7	Duplicate	
			The message is a duplicate of a previously generated message.	
			Conditional: Use to indicate that this message is a re-transmission without any change to the content in the original transmission.	
		9	Original	
			Initial transmission related to a given transaction.	
			Required: An original transmission of the purchase order to the primary recipient, i.e. the supplier.	
X	4343		RESPONSE TYPE CODE	C 1 an..3



Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 5
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.
Notes: This segment is used to specify the date and time that the purchase order message was sent.
 Example:
 DTM+137:20060912:102'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>	
		<u>Element</u>	<u>Name</u>		
M	C507		DATE/TIME/PERIOD	M	1
M		2005	Date or time or period function code qualifier	M	an..3
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. Required: System generated date/time when the purchase order is sent.		
R		2380	Date or time or period text	C	an..35
R		2379	Date or time or period format code	C	an..3
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		



Group: **NAD** Segment Group 2: Name and Address
Position: 0120
Group:
Level: 1
Usage: Mandatory
Max Use: 10
Purpose: A group of segments identifying the parties with associated information.

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	0130	NAD	Name and Address	M	1	
	0220		Segment Group 5: Contact Information	C		1



Segment: **NAD** Name and Address
Position: 0130 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Mandatory
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.

Notes: In the DSD model the Buyer (BY) is the Purchasing Organisation e.g. Super Cheap Auto, the Ship To (ST) location is the DSD store. GLNs will be used to identify both BY and ST entities.

Example:
 NAD+ST+9327303031205::9++SUPER CHEAP CHERMSIDE+750 GYMPIE RD+CHERMSIDE+QLD+4032+AU'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY FUNCTION CODE QUALIFIER	M 1 an..3
		BY	Buyer Party to whom merchandise and/or service is sold. Required: Purchasing organisation GLN to be used in DE3039.	
		ST	Ship to Identification of the party to where goods will be or have been shipped. Required: Store GLN for DSD orders to be used in DE3039.	
		SU	Supplier [3280] Party who supplies goods and/or services. Required: Supplier GLN to be used in DE3039.	
R	C082		PARTY IDENTIFICATION DETAILS	C 1
M		3039	Party identifier Global Location Number - Format n13	M an..35
X		1131	Code list identification code	C an..17
R		3055	Code list responsible agency code	C an..3
		9	GS1 GS1 (formerly EAN International), an organisation of GS1 Member Organisations, which manages the GS1 System.	
X	C058		NAME AND ADDRESS	C 1
X		3124	Name and address description	M an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
D	C080		PARTY NAME Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU) Required for Ship To location (DE 3035=ST)	C 1
M		3036	Party name	M an..35



O		3036	Party name	C	an..35
X		3036	Party name	C	an..35
X		3036	Party name	C	an..35
X		3036	Party name	C	an..35
X		3045	Party name format code	C	an..3
D	C059		STREET	C	1
Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU) Required for Ship To location (DE 3035=ST)					
M		3042	Street and number or post office box identifier	M	an..35
Building Name/Number and Street.					
Street address (line 1) of the party identified, where applicable.					
O		3042	Street and number or post office box identifier	C	an..35
Street address (line 2) of the party identified, where applicable.					
X		3042	Street and number or post office box identifier	C	an..35
X		3042	Street and number or post office box identifier	C	an..35
D	3164		CITY NAME	C	1 an..35
City or suburb of the location of the party identified, where applicable, such as MINCHINBURY, DUBBO, etc.					
Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU) Required for Ship To location (DE 3035=ST)					
D	C819		COUNTRY SUB-ENTITY DETAILS	C	1
Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU) Required for Ship To location (DE 3035=ST)					
O		3229	Country sub-entity name code	C	an..9
This is where the code for the state is entered, e.g. VIC, TAS etc. The following list contains the allowable codes in column 1					
ACT Australian Capital Territory, Australia					
AUK Auckland, New Zealand					
BOP Bay of Plenty, New Zealand					
CAN Canterbury, New Zealand					
GIS Gisborne, New Zealand					
HKB Hawke's Bay, New Zealand					
MBH Marlborough, New Zealand					
MWT Manawatu-Wanganui, New Zealand					
NSN Nelson, New Zealand					
NSW New South Wales, Australia					
NT Northern Territory, Australia					
NTL Northland, New Zealand					
OTA Otago, New Zealand					
QLD Queensland, Australia					
SA South Australia, Australia					
STL Southland, New Zealand					
TAS Tasmania, Australia or Tasman, New Zealand.					
See DE 3228 and/or DE 3207 to resolve ambiguity.					
TKI Taranaki, New Zealand					
VIC Victoria, Australia					
WA Western Australia, Australia					
WGN Wellington, New Zealand					
WKO Waikato, New Zealand					
WTC West Coast, New Zealand					
X		1131	Code list identification code	C	an..17



X		3055	Code list responsible agency code	C	an..3
O		3228	Country sub-entity name	C	an..70
			This is the full text description of the state, e.g. Victoria, South Australia etc.		
D	3251		POSTAL IDENTIFICATION CODE	C	1 an..17
			Postal code of the location of the party identified, where applicable, e.g. 2770.		
			Required for Ship To location (DE 3035=ST) in Australia. Optional for all other locations.		
D	3207		COUNTRY NAME CODE	C	1 an..3
			Required if DE 3229 is present.		



Group: CTA Segment Group 5: Contact Information
Position: 0220
Group: Segment Group 2 (Name and Address) Mandatory
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 the buyer of this category.

Segment Summary

	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID		Des.	Use	Repeat
M	0230	CTA	Contact Information	M	1	
O	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.

Notes: This segment is used to identify contact details for the party specified in the previous NAD segment.

Example:
 CTA+PD+:ALEX DONOVAN'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
R	3139		CONTACT FUNCTION CODE	C 1 an..3
		PD	Purchasing contact Department/person responsible for issuing this purchase order. DE 3412 will contain the Buyer contact name, i.e. the name of business manager or a buyer responsible for the category to be purchased from the Supplier.	
		SR	Sales representative or department The sales representative or department contact within an organization. DE 3412 will contain the Supplier's Sales Representative contact name, i.e. the name of sales representative or department within the Supplier responsible for the category being purchased by the Buyer.	
R	C056		DEPARTMENT OR EMPLOYEE DETAILS	C 1
X		3413	Department or employee name code	C an..17
R		3412	Department or employee name	C an..35
			Name of contact person or department identified by the code in DE 3139.	



Segment: **COM** Communication Contact
Position: 0240
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Notes: Example:
 COM+07 3480 7722:TE'

Data Element Summary

Data Element	Component Element	Name	Attributes	
			M	3
M	C076	COMMUNICATION CONTACT	M	3
M	3148	Communication address identifier	M	an..512
		Email address or contact's phone or fax number		
M	3155	Communication address code qualifier	M	an..3
		EM Electronic mail		
		Exchange of mail by electronic means.		
		E-mail address of the department or buying representative identified where available.		
		FX Telefax		
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		Contact fax number of the department or buying representative identified.		
		TE Telephone		
		Voice/data transmission by telephone.		
		Contact phone number of the department or buying representative identified.		



Group: CUX Segment Group 7: Currencies
Position: 0290
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 5
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: Must be used.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>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.
Notes: Example:
 CUX+2:AUD:9'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>		<u>Attributes</u>	
		<u>Element</u>	<u>Name</u>		
O	C504		CURRENCY DETAILS	C	1
M		6347	Currency usage code qualifier 2 Reference currency The currency applicable to amounts stated. It may have to be converted.	M	an..3
R		6345	Currency identification code ISO 4217 three alpha code. AUD Australian Dollar NZD New Zealand Dollar	C	an..3
R		6343	Currency type code qualifier 9 Order currency The name or symbol of the monetary unit used in an order.	C	an..3
X		6348	Currency rate	C	n..4
X	C504		CURRENCY DETAILS	C	1
X		6347	Currency usage code qualifier	M	an..3
X		6345	Currency identification code	C	an..3
X		6343	Currency type code qualifier	C	an..3
X		6348	Currency rate	C	n..4
X	5402		CURRENCY EXCHANGE RATE	C	1 n..12
X	6341		EXCHANGE RATE CURRENCY MARKET IDENTIFIER	C	1 an..3



Group: **LIN** Segment Group 28: Line Item
Position: 1030
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.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	1040	LIN	Line Item	M	1	
O	1050	PIA	Additional Product Id	C	3	
D	1060	IMD	Item Description	C	1	
M	1080	QTY	Quantity	M	3	
R	1110	DTM	Date/Time/Period	C	35	
	1320		Segment Group 32: Price Details	C		1
	1610		Segment Group 38: Duty/Tax/Fee Details	C		10



Segment: **LIN** Line Item
Position: 1040 (Trigger Segment)
Group: Segment Group 28 (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.
Notes: This segment is used to identify the item being ordered.
 Example:
 LIN+1++9313857107299:SRV'

Data Element Summary

Data Element	Component Element	Name	Attributes	
			M	an..
M	1082	LINE ITEM IDENTIFIER Sequential line number of the ordered item.	M	1 an..6
X	1229	ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	C	1 an..3
D	C212	ITEM NUMBER IDENTIFICATION Used only if the product code is a Global Trade Item Number (GTIN).	C	1
R	7140	Item identifier Format N...14 GTIN-8, GTIN-13, or GTIN-14 - this is the number of the article being ordered.	C	an..35
R	7143	Item type identification code SRV GS1 Global Trade Item Number A unique number, up to 14-digits, assigned according to the numbering structure of the GS1 system. 'GS1' stands for the 'Global Standards One'. All items will be referred as GTIN (Global Trade Item Number).	C	an..3
X		1131 Code list identification code	C	an..17
X		3055 Code list responsible agency code	C	an..3
X	C829	SUB-LINE INFORMATION	C	1
X		5495 Sub-line indicator code	C	an..3
X		1082 Line item identifier	C	an..6
X	1222	CONFIGURATION LEVEL NUMBER	C	1 n..2
X	7083	CONFIGURATION OPERATION CODE	C	1 an..3



Segment: PIA Additional Product Id
Position: 1050
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment providing either additional identification to the product specified in the LIN segment.
Notes: This segment is used to specify additional or substitution item identification codes such as a buyer's or supplier's item number.
 Example:
 PIA+1+015490Y:SA'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT IDENTIFIER CODE QUALIFIER	M 1 an..3
		1	Additional identification Information which specifies and qualifies product identifications. Used to provide an additional identity for the product identified in the LIN segment.	
M	C212		ITEM NUMBER IDENTIFICATION	M 1
R		7140	Item identifier	C an..35
R		7143	Item type identification code	C an..3
		IN	Buyer's item number The item number has been allocated by the buyer. SUL's internal identifier for the product.	
		SA	Supplier's article number Number assigned to an article by the supplier of that article. Used to provide the vendor's own reference to an item ordered, where applicable.	
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35



X
X
X

7143 Item type identification code
1131 Code list identification code
3055 Code list responsible agency code

C an..3
C an..17
C an..3



Segment: **IMD** Item Description
Position: 1060
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment for describing the product or service being ordered. This segment should be used only for products or services that cannot be fully identified by a product code or article number.
Notes: Example:
 IMD+F+++::GREEN WIDGET'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
O	7077		DESCRIPTION FORMAT CODE	C 1 an..3
		F	Free-form Description of an item in free form text.	
X	C272		ITEM CHARACTERISTIC	C 1
X		7081	Item characteristic code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
R	C273		ITEM DESCRIPTION	C 1
X		7009	Item description code	C an..17
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
R		7008	Item description	C an..256
O		7008	Item description Optional second field if required for item description	C an..256
X		3453	Language name code	C an..3
X	7383		SURFACE OR LAYER CODE	C 1 an..3



Segment: QTY Quantity
Position: 1080
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 3
Purpose: A segment identifying the product quantities e.g. ordered quantity.
Notes: This segment is used to specify the total quantity ordered for the current line identified in the LIN segment.

 Example:
 The quantity ordered for line is 90.
 QTY+21:90'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS	M 1
M		6063	Quantity type code qualifier	M an..3
			21 Ordered quantity [6024] The quantity which has been ordered. Required: Ordered quantity for the item.	
			59 Numbers of consumer units in the traded unit Number of units for consumer sales in a unit for trading. Required for all trade items containing consumer items (not to be used for rolls).	
M		6060	Quantity	M an..35
O		6411	Measurement unit code	C an..3
			Unit helps to identify product ordered. More codes may be used beyond the list shown here.	
			2W Bin	
			BG Bags	
			BJ Bucket	
			CT Carton	
			DR Drum	
			EA Each	
			KGM Kilogram	
			Unit of measurement in kilograms is used only for products that are variable in weight and/or quantity.	
			LTR Litre	
			RO Roll	



Segment: **DTM** Date/Time/Period
Position: 1110
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 35
Purpose: A segment specifying date/time/period details relating to the line item only.
Notes: Example:
 Deliver no earlier than 22 Sept 2006 and no later than 29 Sept 2006.
 DTM+63:20060929:102'
 DTM+64:20060922:102'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	C507		DATE/TIME/PERIOD	M 1
M		2005	Date or time or period function code qualifier	M an..3
		63	Delivery date/time, latest [2025] Date identifying a point of time after which goods shall not or will not be delivered. Denotes the latest date in the time window for delivery to the store.	
		64	Delivery date/time, earliest Date identifying a point in time before which the goods shall not be delivered.	
R		2380	Date or time or period text	C an..35
R		2379	Date or time or period format code	C an..3
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	



Group: **PRI** Segment Group 32: Price Details
Position: 1320
Group: Segment Group 28 (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.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
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'.

Notes: This segment is used to detail the price for the current product identified in the LIN segment. The calculation price detailed in the Purchase Order will always be Net Unit Price, i.e. Gross Price + Charges – Allowances and excluding GST.

Example:

The price (Gross Price + Charges – Allowances and excluding GST) is 18.38 for each item.

PRI+AAA:18.38:::1:EA'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	C509		PRICE INFORMATION	C 1
M		5125	Price code qualifier AAA Calculation net	M an..3
			The price stated is the net price including allowances/charges but excluding taxes. Allowances/charges may be stated for information only.	
			The unit price presented in DE 5118 is the net price excluding GST.	
R		5118	Price amount Unit price for item identified in LIN segment.	C n..15
X		5375	Price type code	C an..3
X		5387	Price specification code	C an..3
R		5284	Unit price basis value	C n..9
R		6411	Measurement unit code	C an..3
			2W Bin	
			BG Bags	
			BJ Bucket	
			CT Carton	
			DR Drum	
			EA Each	
			The price presented in DE 5118 is the price for each single unit specified by this item's GTIN (found in DE 7140 in the LIN segment).	
			KGM Kilogram	
			Used for variable weight items only	
			LTR Litre	
			RO Roll	
X	5213		SUB-LINE ITEM PRICE CHANGE OPERATION CODE	C 1 an..3



Group: TAX Segment Group 38: Duty/Tax/Fee Details
Position: 1610
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 10
Purpose: A group of segments specifying tax related information, and when necessary, the location(s) to which that tax information relates.
Notes: Use the TAX segment to show the rate of GST applicable.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1620	TAX	Duty/Tax/Fee Details	M	1	



Segment: TAX Duty/Tax/Fee Details
Position: 1620 (Trigger Segment)
Group: Segment Group 38 (Duty/Tax/Fee Details) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying a tax type, category and rate, or exemption, relating to the line item.

Notes: This segment is used to identify the type and rate of tax that is applicable for the current line item.

Example:
 TAX+7+GST+++:::10'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5283		DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M 1 an..3
		7	Tax Contribution levied by an authority.	
O	C241		DUTY/TAX/FEE TYPE	C 1
O		5153	Duty or tax or fee type name code	C an..3
			GST Goods and services tax	
			Tax levied on the final consumption of goods and services throughout the production and distribution chain.	
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X		5152	Duty or tax or fee type name	C an..35
X	C533		DUTY/TAX/FEE ACCOUNT DETAIL	C 1
X		5289	Duty or tax or fee account code	M an..6
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	5286		DUTY OR TAX OR FEE ASSESSMENT BASIS	C 1 an..15
			QUANTITY	
R	C243		DUTY/TAX/FEE DETAIL	C 1
X		5279	Duty or tax or fee rate code	C an..7
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
R		5278	Duty or tax or fee rate	C an..17
			GST Rate (use 0 for items not subject to GST).	
X		5273	Duty or tax or fee rate basis code	C an..12
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	5305		DUTY OR TAX OR FEE CATEGORY CODE	C 1 an..3
X	3446		PARTY TAX IDENTIFIER	C 1 an..20
X	1227		CALCULATION SEQUENCE CODE	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.

Notes: This segment is used to separate the detail and summary sections of the ORDERS message.

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: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment giving the total amounts for the whole order message.
Notes: Total monetary value of this purchase order, excluding GST.

Example:
 MOA+79:10222.56'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	C516		MONETARY AMOUNT	M 1
M		5025	Monetary amount type code qualifier	M an..3
		79	Total line items amount	
			The sum of all the line item amounts.	
			DE 5004 contains the total amount of the purchase order excluding GST.	
R		5004	Monetary amount	C n..35
X		6345	Currency identification code	C an..3
X		6343	Currency type code qualifier	C an..3
X		4405	Status description code	C an..3



Segment: CNT Control Total
Position: 2350
Group:
Level: 1
Usage: Mandatory
Max Use: 2
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Notes: This segment is used to provide message control totals.

Example :
CNT+2:4'

There are four LIN segments in the current message.

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	C270		CONTROL	M 1
M		6069	Control total type code qualifier 2	M an..3
			Number of line items in message Total number of line items in the message. Required: Total count of LIN segments, representing the number of line items being ordered.	
M		6066	Control total quantity	M n..18
X		6411	Measurement unit code	C an..8



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.

Notes: The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example :
 UNT+48+1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
				M	1 n..6
M	0074		NUMBER OF SEGMENTS IN A MESSAGE	M	1 n..6
The total number of segments in the message is detailed here.					
M	0062		MESSAGE REFERENCE NUMBER	M	1 an..14
The message reference number detailed here must equal the one specified in the UNH segment.					