



ORDERS Purchase order message

EDIFACT/D97A/ORDERS : ORDERS Purchase order message

Version: 1.1

Created:	9/14/2022
Modified:	10/23/2023

Table of Contents

Purchase order message.....	1
MESSAGE HEADER	3
BEGINNING OF MESSAGE.....	4
DATE/TIME/PERIOD	5
Segment Group 2.....	6
NAME AND ADDRESS	7
Segment Group 5.....	9
CONTACT INFORMATION	10
COMMUNICATION CONTACT	11
Segment Group 7.....	12
CURRENCIES	13
DATE/TIME/PERIOD	14
Segment Group 10.....	15
DETAILS OF TRANSPORT	16
Segment Group 16.....	17
SCHEDULING CONDITIONS.....	18
Segment Group 28.....	19
LINE ITEM	20
ADDITIONAL PRODUCT ID.....	21
ITEM DESCRIPTION	23
QUANTITY	24
DATE/TIME/PERIOD	25
SECTION CONTROL.....	26
MONETARY AMOUNT	27
CONTROL TOTAL.....	28
MESSAGE TRAILER	29
EDI Sample	30

ORDERS

Purchase order message

Message Status=2

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

Heading:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
0010	UNH	MESSAGE HEADER	M	1	N1/0010	Must use
0020	BGM	BEGINNING OF MESSAGE	M	1	N1/0020	Must use
0030	DTM	DATE/TIME/PERIOD	M	35	N1/0030	Must use
0110		Segment Group 2	C	99	N1/0110	Used
0120	NAD	NAME AND ADDRESS	M	1	N1/0120	Must use
0210		Segment Group 5	C	5	N1/0210	Used
0220	CTA	CONTACT INFORMATION	M	1	N1/0220	Must use
0230	COM	COMMUNICATION CONTACT	C	5	N1/0230	Used
0280		Segment Group 7	C	5	N1/0280	Used
0290	CUX	CURRENCIES	M	1	N1/0290	Must use
0310	DTM	DATE/TIME/PERIOD	C	5	N1/0310	Used
0390		Segment Group 10	C	10	N1/0390	Used
0400	TDT	DETAILS OF TRANSPORT	M	1	N1/0400	Must use
0600		Segment Group 16	C	10	N1/0600	Used
0610	SCC	SCHEDULING CONDITIONS	M	1	N1/0610	Must use

Detail:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
1010		Segment Group 28	C	200000	N2/1010	Used
1020	LIN	LINE ITEM	M	1	N2/1020	Must use
1030	PIA	ADDITIONAL PRODUCT ID	C	25	N2/1030	Used
1040	IMD	ITEM DESCRIPTION	C	99	N2/1040	Used
1060	QTY	QUANTITY	C	99	N2/1060	Used
1090	DTM	DATE/TIME/PERIOD	C	35	N2/1090	Used

Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
2260	UNS	SECTION CONTROL	M	1	N3/2260	Must use
2270	MOA	MONETARY AMOUNT	C	12	N3/2270	Used
2280	CNT	CONTROL TOTAL	C	10	N3/2280	Used
2330	UNT	MESSAGE TRAILER	M	1	N3/2330	Must use

Clarification:

- 1/0010 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 97A 0051 UN
- 1/0020 A segment by which the sender must uniquely identify the order by means of its name and number and when necessary its function.
- 1/0030 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.

- 1/0110 A group of segments identifying the parties with associated information.
- 1/0120 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.
- 1/0210 A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.
- 1/0220 A segment to identify a person or department, and their function, to whom communications should be directed.
- 1/0230 A segment to identify a communications type and number for the contact specified in the CTA segment.
- 1/0280 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.
- 1/0290 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.
- 1/0310 A segment specifying the date/time/period related to the rate of exchange.
- 1/0390 A group of segments identifying the mode and means of transport, location and relevant dates and times for transportation, relating to the whole order.
- 1/0400 A segment specifying the mode, means and identification of the transport for the goods being ordered. If required, the carrier's address should be indicated within the NAD Segment group.
- 1/0600 A group of segments specifying requested delivery schedules relating to quantities, frequencies, dates and references, required for the whole order.
- 1/0610 A segment specifying the type and status of the schedule being given, and optionally defining a pattern to be established e.g. firm or proposed delivery schedule for a weekly pattern.
- 2/1010 A group of segments providing details of the individual ordered items. This segment group may be repeated to give sub-line details.
- 2/1020 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.
- 2/1030 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.
- 2/1040 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.
- 2/1060 A segment identifying the product quantities e.g. ordered quantity.
- 2/1090 A segment specifying date/time/period details relating to the line item only.
- 3/2260 A service segment placed at the start of the summary section to avoid segment collision.
- 3/2270 A segment giving the total amounts for the whole order message.
- 3/2280 A segment by which control totals may be provided by the sender for checking by the receiver.
- 3/2330 A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

UNH MESSAGE HEADER

Pos: 0010	Max: 1
Mandatory	
Group: N/A	Elements: 4

User Option (Usage): Must use

Function: To head, identify and specify a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNH010	0062	Message reference number	M	an	1/14	Must use
		Description: Unique message reference assigned by the sender.				
UNH020	S009	MESSAGE IDENTIFIER	M	Comp		Must use
		Description: Identification of the type, version etc. of the message being interchanged.				
UNH020-010	0065	Message type identifier	M	an	1/6	Must use
		Description: Code identifying a type of message and assigned by its controlling agency. All valid standard codes are used. (Total Codes: 145)				
UNH020-020	0052	Message type version number	M	an	1/3	Must use
		Description: Version number of a message type. All valid standard codes are used. (Total Codes: 7)				
UNH020-030	0054	Message type release number	M	an	1/3	Must use
		Description: Release number within the current message type version number (0052). All valid standard codes are used. (Total Codes: 15)				
UNH020-040	0051	Controlling agency	M	an	1/2	Must use
		Description: Code identifying the agency controlling the specification, maintenance and publication of the message type. All valid standard codes are used. (Total Codes: 20)				
UNH020-050	0057	Association assigned code	C	an	1/6	Used
		Description: Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.				
UNH030	0068	Common access reference	C	an	1/35	Used
		Description: Reference serving as a key to relate all subsequent transfers of data to the same business case or file.				
UNH040	S010	STATUS OF THE TRANSFER	C	Comp		Used
		Description: Statement that the message is one in a sequence of transfers relating to the same topic.				
UNH040-010	0070	Sequence message transfer number	M	n	1/2	Must use
		Description: Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.				
UNH040-020	0073	First/last sequence message transfer indication	C	a	1/1	Used
		Description: Indication used for the first and last message in a sequence of the same type of message relating to the same topic. All valid standard codes are used. (Total Codes: 2)				

BGM BEGINNING OF MESSAGE

Pos: 0020	Max: 1
Mandatory	
Group: N/A	Elements: 4

User Option (Usage): Must use

Function: To indicate the type and function of a message and to transmit the identifying number.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGM010	C002	DOCUMENT/MESSAGE NAME	C	Comp		Used
		Description: Identification of a type of document/message by code or name. Code preferred.				
BGM010-010	1001	Document/message name, coded	C	an	1/3	Used
		Description: Document/message identifier expressed in code. All valid standard codes are used. (Total Codes: 424)				
BGM010-020	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)				
BGM010-030	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)				
BGM010-040	1000	Document/message name	C	an	1/35	Used
		Description: Plain language identifier specifying the function of a document/message.				
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp		Used
		Description: Identification of a document/message by its number and eventually its version or revision.				
BGM020-010	1004	Document/message number	C	an	1/35	Used
		Description: Reference number assigned to the document/message by the issuer.				
BGM020-020	1056	Version	C	an	1/9	Used
		Description: To specify the version number or name of an object.				
BGM020-030	1060	Revision number	C	an	1/6	Used
		Description: To specify a revision number.				
BGM030	1225	Message function, coded	C	an	1/3	Used
		Description: Code indicating the function of the message. All valid standard codes are used. (Total Codes: 55)				
BGM040	4343	Response type, coded	C	an	1/3	Used
		Description: Code specifying the type of acknowledgment required or transmitted. All valid standard codes are used. (Total Codes: 13)				

DTM DATE/TIME/PERIOD

Pos: 0030	Max: 35
Mandatory	
Group: N/A	Elements: 1

User Option (Usage): Must use

Function: To specify date, and/or time, or period.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp		Must use
Description: Date and/or time, or period relevant to the specified date/time/period type.						
DTM010-010	2005	Date/time/period qualifier	M	an	1/3	Must use
Description: Code giving specific meaning to a date, time or period.						
All valid standard codes are used. (Total Codes: 364)						
DTM010-020	2380	Date/time/period	C	an	1/35	Used
Description: The value of a date, a date and time, a time or of a period in a specified representation.						
DTM010-030	2379	Date/time/period format qualifier	C	an	1/3	Used
Description: Specification of the representation of a date, a date and time or of a period.						
All valid standard codes are used. (Total Codes: 70)						

Segment Group 2

Pos: 0110	Repeat: 99
Conditional	
Group: 2	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
0120	NAD	NAME AND ADDRESS	M	1	Must use
0210		Segment Group 5	C	5	Used

NAD NAME AND ADDRESS

Pos: 0120	Max: 1
Mandatory	
Group: 2	Elements: 9

User Option (Usage): Must use

Function: To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NAD010	3035	Party qualifier	M	an	1/3	Must use
		Description: Code giving specific meaning to a party.				
		Code List Summary (Total Codes: 325, Included: 3)				
		<u>Code</u>		<u>Name</u>		
		BY		Buyer		
		DP		Delivery party		
		RE		Party to receive commercial invoice remittance		
NAD020	C082	PARTY IDENTIFICATION DETAILS	C	Comp		Used
		Description: Identification of a transaction party by code.				
NAD020-010	3039	Party id. identification	M	an	1/35	Must use
		Description: Code identifying a party involved in a transaction.				
NAD020-030	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list.				
		Code List Summary (Total Codes: 195, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		91		Assigned by seller or seller's agent		
		92		Assigned by buyer or buyer's agent		
NAD030	C058	NAME AND ADDRESS	C	Comp		Used
		Description: Unstructured name and address: one to five lines.				
NAD030-010	3124	Name and address line	M	an	1/35	Must use
		Description: Free form name and address description.				
NAD030-020	3124	Name and address line	C	an	1/35	Used
		Description: Free form name and address description.				
NAD040	C080	PARTY NAME	C	Comp		Used
		Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.				
NAD040-010	3036	Party name	M	an	1/35	Must use
		Description: Name of a party involved in a transaction.				
NAD040-020	3036	Party name	C	an	1/35	Used
		Description: Name of a party involved in a transaction.				
NAD050	C059	STREET	C	Comp		Used
		Description: Street address and/or PO Box number in a structured address: one to three lines.				
NAD050-010	3042	Street and number/p.o. box	M	an	1/35	Must use
		Description: Street and number in plain language, or Post Office Box No.				

NAD050-020	3042	Street and number/p.o. box	C	an	1/35	Used
		Description: Street and number in plain language, or Post Office Box No.				
NAD060	3164	City name	C	an	1/35	Used
		Description: Name of a city (a town, a village) for addressing purposes.				
NAD070	3229	Country sub-entity identification	C	an	1/9	Used
		Description: Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.				
NAD080	3251	Postcode identification	C	an	1/9	Used
		Description: Code defining postal zones or addresses.				
NAD090	3207	Country, coded	C	an	1/3	Used
		Description: Identification of the name of a country or other geographical entity as specified in ISO 3166.				

Segment Group 5

Pos: 0210	Repeat: 5
Conditional	
Group: 5	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
0220	CTA	CONTACT INFORMATION	M	1	Must use
0230	COM	COMMUNICATION CONTACT	C	5	Used

CTA CONTACT INFORMATION

Pos: 0220	Max: 1
Mandatory	
Group: 5	Elements: 2

User Option (Usage): Must use

Function: To identify a person or a department to whom communication should be directed.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTA010	3139	Contact function, coded	C	an	1/3	Used
Description: Code specifying the function of a contact (e.g. department or person).						
Code List Summary (Total Codes: 85, Included: 1)						
		<u>Code</u> <u>Name</u>				
		PD Purchasing contact				
CTA020	C056	DEPARTMENT OR EMPLOYEE DETAILS	C	Comp		Used
Description: Code and/or name of a department or employee. Code preferred.						
CTA020-010	3413	Department or employee identification	C	an	1/17	Used
Description: Internal identification code.						
CTA020-020	3412	Department or employee	C	an	1/35	Used
Description: The department or person within an organizational entity.						

COM COMMUNICATION CONTACT

Pos: 0230	Max: 5
Conditional	
Group: 5	Elements: 1

User Option (Usage): Used

Function: To identify a communication number of a department or a person to whom communication should be directed.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
COM010	C076	COMMUNICATION CONTACT	M	Comp		Must use

Description: Communication number of a department or employee in a specified channel.

COM010-010	3148	Communication number	M	an	1/512	Must use
------------	------	----------------------	---	----	-------	----------

Description: The communication number.

COM010-020	3155	Communication channel qualifier	M	an	1/3	Must use
------------	------	---------------------------------	---	----	-----	----------

Description: Code identifying the type of communication channel being used.

Code List Summary (Total Codes: 27, Included: 2)

<u>Code</u>	<u>Name</u>
EM	Electronic mail
TE	Telephone

Segment Group 7

Pos: 0280	Repeat: 5
Conditional	
Group: 7	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
0290	CUX	CURRENCIES	M	1	Must use
0310	DTM	DATE/TIME/PERIOD	C	5	Used

CUX CURRENCIES

Pos: 0290	Max: 1
Mandatory	
Group: 7	Elements: 1

User Option (Usage): Must use

Function: To specify currencies used in the transaction and relevant details for the rate of exchange.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUX010	C504	CURRENCY DETAILS	C	Comp		Used
		Description: The usage to which a currency relates.				
CUX010-010	6347	Currency details qualifier	M	an	1/3	Must use
		Description: Specification of the usage to which the currency relates.				
		Code List Summary (Total Codes: 7, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		2		Reference currency		
CUX010-020	6345	Currency, coded	C	an	1/3	Used
		Description: Identification of the name or symbol of the monetary unit involved in the transaction.				
CUX010-030	6343	Currency qualifier	C	an	1/3	Used
		Description: Code giving specific meaning to data element 6345 Currency.				
		Code List Summary (Total Codes: 17, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		9		Order currency		
CUX010-040	6348	Currency rate base	C	n	1/4	Used
		Description: Multiplying factor used in expressing the number of currency units.				

DTM DATE/TIME/PERIOD

Pos: 0310	Max: 5
Conditional	
Group: 7	Elements: 1

User Option (Usage): Used

Function: To specify date, and/or time, or period.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp		Must use
Description: Date and/or time, or period relevant to the specified date/time/period type.						
DTM010-010	2005	Date/time/period qualifier	M	an	1/3	Must use
Description: Code giving specific meaning to a date, time or period.						
Code List Summary (Total Codes: 364, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		4		Order date/time		
DTM010-020	2380	Date/time/period	C	an	1/35	Used
Description: The value of a date, a date and time, a time or of a period in a specified representation.						

Segment Group 10

Pos: 0390	Repeat: 10
Conditional	
Group: 10	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
0400	TDT	DETAILS OF TRANSPORT	M	1	Must use

TDT DETAILS OF TRANSPORT

Pos: 0400	Max: 1
Mandatory	
Group: 10	Elements: 5

User Option (Usage): Must use

Function: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDT010	8051	Transport stage qualifier	M	an	1/3	Must use
Description: Qualifier giving a specific meaning to the transport details. All valid standard codes are used. (Total Codes: 17)						
TDT020	8028	Conveyance reference number	C	an	1/17	Used
Description: Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).						
TDT030	C220	MODE OF TRANSPORT	C	Comp		Used
Description: Method of transport code or name. Code preferred.						
TDT030-010	8067	Mode of transport, coded	C	an	1/3	Used
Description: Coded method of transport used for the carriage of the goods.						
TDT030-020	8066	Mode of transport	C	an	1/17	Used
Description: Method of transport used for the carriage of the goods.						
TDT040	C228	TRANSPORT MEANS	C	Comp		Used
Description: Code and/or name identifying the type of means of transport.						
TDT050	C040	CARRIER	C	Comp		Used
Description: Identification of a carrier by code and/or by name. Code preferred.						
TDT050-010	3127	Carrier identification	C	an	1/17	Used
Description: Identification of party undertaking or arranging transport of goods between named points.						
TDT050-020	1131	Code list qualifier	C	an	1/3	Used
Description: Identification of a code list. Code List Summary (Total Codes: 123, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		65	Shipping agent			
TDT050-040	3128	Carrier name	C	an	1/35	Used
Description: Name of party undertaking or arranging transport of goods between named points.						

Segment Group 16

Pos: 0600	Repeat: 10
Conditional	
Group: 16	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
0610	SCC	SCHEDULING CONDITIONS	M	1	Must use

SCC SCHEDULING CONDITIONS

Pos: 0610	Max: 1
Mandatory	
Group: 16	Elements: 1

User Option (Usage): Must use

Function: To specify scheduling conditions.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SCC010	4017	Delivery plan status indicator, coded	M	an	1/3	Must use

Description: Code indicating the level of commitment of schedule information.

Code List Summary (Total Codes: 23, Included: 1)

<u>Code</u>	<u>Name</u>
1	Firm

Segment Group 28

Pos: 1010	Repeat: 200000
Conditional	
Group: 28	Elements: N/A

User Option (Usage): Used

Segment Group Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Usage</u>
1020	LIN	LINE ITEM	M	1	Must use
1030	PIA	ADDITIONAL PRODUCT ID	C	25	Used
1040	IMD	ITEM DESCRIPTION	C	99	Used
1060	QTY	QUANTITY	C	99	Used
1090	DTM	DATE/TIME/PERIOD	C	35	Used

LIN**LINE ITEM**

Pos: 1020	Max: 1
Mandatory	
Group: 28	Elements: 2

User Option (Usage): Must use**Function:** To identify a line item and configuration.**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN010	1082	Line item number	C	an	1/6	Used
		Description: Serial number designating each separate item within a series of articles.				
LIN030	C212	ITEM NUMBER IDENTIFICATION	C	Comp		Used
		Description: Goods identification for a specified source.				
LIN030-010	7140	Item number	C	an	1/35	Used
		Description: A number allocated to a group or item.				
LIN030-020	7143	Item number type, coded	C	an	1/3	Used
		Description: Identification of the type of item number.				
		Code List Summary (Total Codes: 86, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		BP	Buyer's part number			
		MF	Manufacturer's (producer's) article number			
		VP	Vendor's (seller's) part number			
LIN030-030	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list.				
		All valid standard codes are used. (Total Codes: 123)				
LIN030-040	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list.				
		All valid standard codes are used. (Total Codes: 195)				

Notes:

1. VP or MF are mandatory item number types.

PIA**ADDITIONAL PRODUCT ID**

Pos: 1030	Max: 25
Conditional	
Group: 28	Elements: 6

User Option (Usage): Used**Function:** To specify additional or substitutional item identification codes.**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PIA010	4347	Product id. function qualifier	M	an	1/3	Must use
Description: Indication of the function of the product code. All valid standard codes are used. (Total Codes: 9)						
PIA020	C212	ITEM NUMBER IDENTIFICATION	M	Comp		Must use
Description: Goods identification for a specified source.						
PIA020-010	7140	Item number	C	an	1/35	Used
Description: A number allocated to a group or item.						
PIA020-020	7143	Item number type, coded	C	an	1/3	Used
Description: Identification of the type of item number.						
Code List Summary (Total Codes: 86, Included: 3)						
		<u>Code</u> <u>Name</u>				
		BP Buyer's part number				
		MF Manufacturer's (producer's) article number				
		VP Vendor's (seller's) part number				
PIA020-030	1131	Code list qualifier	C	an	1/3	Used
Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)						
PIA020-040	3055	Code list responsible agency, coded	C	an	1/3	Used
Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)						
PIA030	C212	ITEM NUMBER IDENTIFICATION	C	Comp		Used
Description: Goods identification for a specified source.						
PIA030-010	7140	Item number	C	an	1/35	Used
Description: A number allocated to a group or item.						
PIA030-020	7143	Item number type, coded	C	an	1/3	Used
Description: Identification of the type of item number. All valid standard codes are used. (Total Codes: 86)						
PIA030-030	1131	Code list qualifier	C	an	1/3	Used
Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)						
PIA030-040	3055	Code list responsible agency, coded	C	an	1/3	Used
Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)						
PIA040	C212	ITEM NUMBER IDENTIFICATION	C	Comp		Used
Description: Goods identification for a specified source.						
PIA040-010	7140	Item number	C	an	1/35	Used

		Description: A number allocated to a group or item.				
PIA040-020	7143	Item number type, coded	C	an	1/3	Used
		Description: Identification of the type of item number. All valid standard codes are used. (Total Codes: 86)				
PIA040-030	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)				
PIA040-040	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)				
PIA050	C212	ITEM NUMBER IDENTIFICATION	C	Comp		Used
		Description: Goods identification for a specified source.				
PIA050-010	7140	Item number	C	an	1/35	Used
		Description: A number allocated to a group or item.				
PIA050-020	7143	Item number type, coded	C	an	1/3	Used
		Description: Identification of the type of item number. All valid standard codes are used. (Total Codes: 86)				
PIA050-030	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)				
PIA050-040	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)				
PIA060	C212	ITEM NUMBER IDENTIFICATION	C	Comp		Used
		Description: Goods identification for a specified source.				
PIA060-010	7140	Item number	C	an	1/35	Used
		Description: A number allocated to a group or item.				
PIA060-020	7143	Item number type, coded	C	an	1/3	Used
		Description: Identification of the type of item number. All valid standard codes are used. (Total Codes: 86)				
PIA060-030	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)				
PIA060-040	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)				

IMD ITEM DESCRIPTION

Pos: 1040	Max: 99
Conditional	
Group: 28	Elements: 4

User Option (Usage): Used

Function: To describe an item in either an industry or free format.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IMD010	7077	Item description type, coded	C	an	1/3	Used
		Description: Code indicating the format of a description. All valid standard codes are used. (Total Codes: 8)				
IMD020	7081	Item characteristic, coded	C	an	1/3	Used
		Description: Code specifying the item characteristic being described. All valid standard codes are used. (Total Codes: 156)				
IMD030	C273	ITEM DESCRIPTION	C	Comp		Used
		Description: Description of an item.				
IMD030-010	7009	Item description identification	C	an	1/17	Used
		Description: Code from an industry code list which provides specific data about a product characteristic.				
IMD030-020	1131	Code list qualifier	C	an	1/3	Used
		Description: Identification of a code list. All valid standard codes are used. (Total Codes: 123)				
IMD030-030	3055	Code list responsible agency, coded	C	an	1/3	Used
		Description: Code identifying the agency responsible for a code list. All valid standard codes are used. (Total Codes: 195)				
IMD030-040	7008	Item description	C	an	1/35	Used
		Description: Plain language description of articles or products.				
IMD030-050	7008	Item description	C	an	1/35	Used
		Description: Plain language description of articles or products.				
IMD030-060	3453	Language, coded	C	an	1/3	Used
		Description: Code of language (ISO 639-1988).				
IMD040	7383	Surface/layer indicator, coded	C	an	1/3	Used
		Description: Code indicating the surface or layer of a product that is being described. All valid standard codes are used. (Total Codes: 24)				

QTY QUANTITY

Pos: 1060	Max: 99
Conditional	
Group: 28	Elements: 1

User Option (Usage): Used

Function: To specify a pertinent quantity.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY010	C186	QUANTITY DETAILS	M	Comp		Must use
		Description: Quantity information in a transaction, qualified when relevant.				
QTY010-010	6063	Quantity qualifier	M	an	1/3	Must use
		Description: Code giving specific meaning to a quantity. All valid standard codes are used. (Total Codes: 199)				
QTY010-020	6060	Quantity	M	n	1/15	Must use
		Description: Numeric value of a quantity.				
QTY010-030	6411	Measure unit qualifier	C	an	1/3	Used
		Description: Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.				

DTM DATE/TIME/PERIOD

Pos: 1090	Max: 35
Conditional	
Group: 28	Elements: 1

User Option (Usage): Used

Function: To specify date, and/or time, or period.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp		Must use
Description: Date and/or time, or period relevant to the specified date/time/period type.						
DTM010-010	2005	Date/time/period qualifier	M	an	1/3	Must use
Description: Code giving specific meaning to a date, time or period.						
All valid standard codes are used. (Total Codes: 364)						
DTM010-020	2380	Date/time/period	C	an	1/35	Used
Description: The value of a date, a date and time, a time or of a period in a specified representation.						
DTM010-030	2379	Date/time/period format qualifier	C	an	1/3	Used
Description: Specification of the representation of a date, a date and time or of a period.						
All valid standard codes are used. (Total Codes: 70)						

UNS SECTION CONTROL

Pos: 2260	Max: 1
Mandatory	
Group: N/A	Elements: 1

User Option (Usage): Must use

Function: To separate header, detail, and summary sections of a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNS010	0081	Section identification	M	a	1/1	Must use

Description: A character identifying the next section in a message.

All valid standard codes are used. (Total Codes: 2)

MOA MONETARY AMOUNT

Pos: 2270	Max: 12
Conditional	
Group: N/A	Elements: 1

User Option (Usage): Used

Function: To specify a monetary amount.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MOA010	C516	MONETARY AMOUNT	M	Comp		Must use
Description: Amount of goods or services stated as a monetary amount in a specified currency.						
MOA010-010	5025	Monetary amount type qualifier	M	an	1/3	Must use
Description: Indication of type of amount.						
All valid standard codes are used. (Total Codes: 360)						
MOA010-020	5004	Monetary amount	C	n	1/18	Used
Description: Number of monetary units.						
MOA010-030	6345	Currency, coded	C	an	1/3	Used
Description: Identification of the name or symbol of the monetary unit involved in the transaction.						
MOA010-040	6343	Currency qualifier	C	an	1/3	Used
Description: Code giving specific meaning to data element 6345 Currency.						
All valid standard codes are used. (Total Codes: 17)						
MOA010-050	4405	Status, coded	C	an	1/3	Used
Description: Provides information regarding a status.						
All valid standard codes are used. (Total Codes: 25)						

CNT CONTROL TOTAL

Pos: 2280	Max: 10
Conditional	
Group: N/A	Elements: 1

User Option (Usage): Used

Function: To provide control total.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CNT010	C270	CONTROL	M	Comp		Must use
Description: Control total for checking integrity of a message or part of a message.						
CNT010-010	6069	Control qualifier	M	an	1/3	Must use
Description: Determines the source data elements in the message which forms the basis for 6066 Control value.						
All valid standard codes are used. (Total Codes: 38)						
CNT010-020	6066	Control value	M	n	1/18	Must use
Description: Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).						
CNT010-030	6411	Measure unit qualifier	C	an	1/3	Used
Description: Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.						

UNT MESSAGE TRAILER

Pos: 2330	Max: 1
Mandatory	
Group: N/A	Elements: 2

User Option (Usage): Must use

Function: To end and check the completeness of a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNT010	0074	Number of segments in a message	M	n	1/6	Must use
		Description: Control count of number of segments in a message.				
UNT020	0062	Message reference number	M	an	1/14	Must use
		Description: Unique message reference assigned by the sender.				

EDI Sample

UNB+UNOC:3+ABC:ZZ+DKEDIFACT+221005:1801+123456789'
UNH+1+ORDERS:D:97A:UN'
BGM+220+4504355825+9'
DTM+137:20221005:102'
NAD+BY+3066851::91++ABC Electronics+123 Alpha Drive+Milpitas+CA+95000+US'
CTA+PD+:Buyer Name'
COM+2186811234:TE'
COM+buyerspecific@ABC-electronics.com:EM'
NAD+DP+037::92'
NAD+ST+3066851::91++ABC Electronics+123 Alpha Drive+Milpitas+CA+95000+US'
CUX+2:USD:9'
DTM+2:20221010:102'
LIN+1++ASC-A123:BP::92'
PIA+12+698812500:IN+SN74AVCH8T245PWR:MF+ SN74AVCH8T245PWR-ND:VP'
IMD+F++211827100:::IC SMD SN74AVCH8T245PWR TSSOP24'
QTY+21:15.000:PCE'
SCC+1'
QTY+21:15.000'
DTM+2:20221010:102'
UNS+S'
UNT+19+1'
UNZ+1+123456789'