



Functional information for inbound EDI purchase order (PO)

EDIFACT - ORDERS

ANSI X12 - 850

In order for Micron to best automate the processing of inbound orders from our customers, we have created a standard electronic order format. This standard format includes specific information that the Micron sales team requires in order to ensure order accuracy, correct data routing within our SAP system and accurate delivery of the ordered product. The use of this standardized format will also allow faster implementations with our customers. Above and beyond the standard required data for an order (Material, order quantity, requested ship date, requested price), Micron also asks that the following be included on any electronic order transmission:

Purchase Order Type Code (Stand Alone, Consigned, Dropship, Sample): This will allow us to load the correct order type into the Micron system, since each of these order types have unique order entry and delivery requirements associated with them.

Currency Code: By default Micron loads orders in USD (US Dollar). If a different currency is required, that requirement needs to be reviewed with the Micron sales and finance teams to ensure that our systems are correctly configured to allow non-USD orders to be correctly transacted.

Shipping route information: This data will allow us to correctly ship the product using the customer's preferred method. However, we reserve the right to adjust the shipping method in order to ensure that requested shipping dates meet customer's requirements and contracted delivery times. Of course, any such changes will be governed by contracts between Micron and the customer and will be verified with the customer before changes are made to the original order shipping information.

Name and address information (Bill-to, Ship-to, End Customer): The bill-to information will, of course assist with correctly billing the customer for the order after delivery. Ship-to information can be as simple as a ship-to code, for non-Dropship orders. For Dropship orders, however, Micron requires a full address to allow us to correctly ship the product. End Customer information will be used to determine if there are any pricing contracts in place with the ultimate end customer for the product. This is especially important if you are acting as a contract manufacturer or maintaining a consignment location for another of Micron's customer.

Buyer: The Buyer Name and contact information will allow the Micron business team to contact the correct person with any questions or issues related to your order. Also, in certain cases buyer information is used to correctly route incoming orders to the matching Micron sales team member for review.

Package Type Code: In order to allow us to correctly package the product, please specify the packaging type (Tape and Reel, Dry Pack). This is only necessary for parts that can be packaged in multiple ways.

Notes: Order or shipping specific notes can be included, if necessary.

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
M	010	ST	Transaction Set Header	M	1	
M	020	BEG	Beginning Segment for Purchase Order	M	1	
	040	CUR	Currency	O	1	
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
LOOP ID - N9						1000
	295	N9	Reference Identification	O	1	
	300	MSG	Message Text	O	1000	
LOOP ID - N1						200
	310	N1	Name	O	1	
	330	N3	Address Information	O	2	
	340	N4	Geographic Location	O	>1	
	360	PER	Administrative Communications Contact	O	>1	

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
LOOP ID - PO1						100000
M	010	PO1	Baseline Item Data	M	1	
LOOP ID - SCH						200
	295	SCH	Line Item Schedule	O	1	
LOOP ID - N9						1000
	330	N9	Reference Identification	O	1	
	340	MSG	Message Text	O	1000	

Summary:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
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Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Business Rules: Variable Name: STST

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BEG01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
M	BEG02	92	Purchase Order Type Code	M ID 2/2
			Code specifying the type of Purchase Order	
			CN Consigned Order	
			DS Dropship	
			SA Stand-alone Order	
			SP Sample	
M	BEG03	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
M	BEG05	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M ID 2/3
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified USD	M ID 3/3

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
TD501	133	Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
TD502	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
TD503	67	Identification Code	X AN 2/80
		Code identifying a party or other code	

Segment: **N9** Reference Identification
Position: 295
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			H7 Standard Clause	

Segment: **MSG** Message Text
Position: 300
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264

Segment: N1 Name
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary				
Ref.	Data	Name	Attributes	
Des.	Element			
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To is Mandatory at least one of BT Bill-to-Party or BY Buying Party N1 loop	
		BT	Bill-to-Party	
		BY	Buying Party (Purchaser)	
		SE	Selling Party	
		ST	Ship To	
		XT	Final Customer Organization	
	N102	93	Name	X AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		92	Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

Segment: **N3** Address Information
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **PER** **Administrative Communications Contact**
Position: 360
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			BD Buyer Name or Department	
			CN General Contact	
	PER02	93	Name	O AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
	PER07	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			FX Facsimile	
	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
PO102	330	Quantity Ordered	X R 1/15
		Quantity ordered	
PO103	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA Each	
PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
PO106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP Buyer's Part Number	
		JP Package Type Code	
		Packaging method used for manufacturer product	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		VP Vendor's (Seller's) Part Number	
PO107	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO108	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP Buyer's Part Number	
		JP Package Type Code	
		Packaging method used for manufacturer product	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		VP Vendor's (Seller's) Part Number	
PO109	234	Product/Service ID	X AN 1/48

		Identifying number for a product or service			
PO110	235	Product/Service ID Qualifier		X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		BP	Buyer's Part Number		
		JP	Package Type Code		
			Packaging method used for manufacturer product		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		VP	Vendor's (Seller's) Part Number		
PO111	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
PO112	235	Product/Service ID Qualifier		X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		BP	Buyer's Part Number		
		JP	Package Type Code		
			Packaging method used for manufacturer product		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		VP	Vendor's (Seller's) Part Number		
PO113	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
PO125	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			

Segment: **SCH** Line Item Schedule
Position: 295
Loop: SCH Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SCH01	380	Quantity Numeric value of quantity	M R 1/15
M	SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
M	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 010 Requested Ship	M ID 3/3
M	SCH06	373	Date Date expressed as CCYYMMDD	M DT 8/8
	SCH07	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8

Segment: **N9** Reference Identification
Position: 330
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			CU	Clear Text Clause
			H7	Standard Clause

Segment: **MSG** Message Text
Position: 340
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	

Example:

-.0018 First occurrence of value being hashed.

.18 Second occurrence of value being hashed.

1.8 Third occurrence of value being hashed.

18.01 Fourth occurrence of value being hashed.

1855 Hash total prior to truncation.

855 Hash total after truncation to three-digit field.

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

ORDERS Purchase Order Message

Introduction:

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

Heading Section:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Group</u> <u>Repeat</u>
M	0010	UNH	Message Header	M	1	
M	0020	BGM	Beginning of Message	M	1	
M	0030	DTM	Date/Time/Period	M	35	
Must Use	0110		Segment Group 2: NAD	C		99
M	0120	NAD	Name and Address	M	1	
Must Use	0280		Segment Group 7: CUX	C		5
M	0290	CUX	Currencies	M	1	

Detail Section:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Group</u> <u>Repeat</u>
Must Use	1010		Segment Group 28: LIN-PIA-QTY-SG32-SG33-SG53	C		200000
M	1020	LIN	Line Item	M	1	
	1030	PIA	Additional Product Id	C	25	
Must Use	1060	QTY	Quantity	C	99	
Must Use	1280		Segment Group 32: PRI	C		25
M	1290	PRI	Price Details	M	1	
Must Use	1340		Segment Group 33: RFF	C		9999
M	1350	RFF	Reference	M	1	
Must Use	2030		Segment Group 53: SCC-SG54	C		100
M	2040	SCC	Scheduling Conditions	M	1	
Must Use	2070		Segment Group 54: QTY-DTM	C		10
M	2080	QTY	Quantity	M	1	
Must Use	2090	DTM	Date/Time/Period	C	5	

Section Control:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Group</u> <u>Repeat</u>
M	2260	UNS	Section Control	M	1	

Summary Section:

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 97A 0051 UN
Business Rules: Variable Name: UNH1

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	0062		MESSAGE REFERENCE NUMBER	M an..14
			Unique message reference assigned by the sender.	
M	S009		MESSAGE IDENTIFIER	M
			Identification of the type, version etc. of the message being interchanged.	
M		0065	Message type identifier	M an..6
			Code identifying a type of message and assigned by its controlling agency.	
			ORDERS Purchase order message	
			A code to identify the purchase order message.	
M		0052	Message type version number	M an..3
			Version number of a message type.	
			92	
M		0054	Message type release number	M an..3
			Release number within the current message type version number (0052).	
			1 First release	
			Message approved and issued in the first release of the year of the UNTDID (United Nations Trade Data Interchange Directory). (Valid for directories published prior to March 1990)	
M		0051	Controlling agency	M an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
			UN UN/ECE/TRADE/WP.4	
			United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).	

0057 Association assigned code

C an..6

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

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.

Data Element Summary

	<u>Data</u>	<u>Component</u>	
	<u>Element</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
>>	C002	DOCUMENT/MESSAGE NAME	C
		Identification of a type of document/message by code or name. Code preferred.	
		1001 Document/message name, coded	C an..3
		Document/message identifier expressed in code.	
		147 Multidrop order	
		One purchase order that contains the orders of two or more vendors and the associated delivery points for each.	
		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.	
		228 Sample order	
		Document/message to order samples.	
>>	C106	DOCUMENT/MESSAGE IDENTIFICATION	C
		Identification of a document/message by its number and eventually its version or revision.	
		1004 Document/message number	C an..35
		Reference number assigned to the document/message by the issuer.	

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 35
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.

Data Element Summary

Data		Component	
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507	DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
M	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		137	Document/message date/time
		(2006) Date/time when a document/message is issued.	
		This may include authentication.	
	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102	CCYYMMDD
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Group: **NAD** Segment Group 2: Name and Address
Position: 0110
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments identifying the parties with associated information.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0120	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0120 (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.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY QUALIFIER	M an..3
			Code giving specific meaning to a party.	
		BT	Party to be billed for other than freight (bill to)	
			Party receiving invoice excluding freight costs.	
		BY	Buyer	
			(3002) Party to which merchandise is sold.	
		SE	Seller	
			(3346) Party selling merchandise to a buyer.	
		ST	Ship to	
			Identification of the party to where goods will be or have been shipped.	
		UD	Ultimate customer	
			The final recipient of goods.	
>>	C082		PARTY IDENTIFICATION DETAILS	C
			Identification of a transaction party by code.	
M		3039	Party id. identification	M an..35
			Code identifying a party involved in a transaction.	

Group: **CUX** Segment Group 7: Currencies
Position: 0280
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.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0290	CUX	Currencies	M	1	

Segment: **CUX** Currencies
Position: 0290 (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.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C504		CURRENCY DETAILS The usage to which a currency relates.	C
M		6347	Currency details qualifier Specification of the usage to which the currency relates.	M an..3
		2	Reference currency The currency applicable to amounts stated. It may have to be converted.	
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3
		6343	Currency qualifier Code giving specific meaning to data element 6345 Currency.	C an..3
		9	Order currency The name or symbol of the monetary unit used in an order.	

Group: **LIN** Segment Group 28: Line Item
Position: 1010
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	1020	LIN	Line Item	M	1	
	1030	PIA	Additional Product Id	C	25	
Must Use	1060	QTY	Quantity	C	99	
	1280		Segment Group 32: Price Details	C		25
	1340		Segment Group 33: Reference	C		9999
	2030		Segment Group 53: Scheduling Conditions	C		100

Segment: **LIN** Line Item
Position: 1020 (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.

Data Element Summary

Data Component			
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	1082	LINE ITEM NUMBER	C an..6
		Serial number designating each separate item within a series of articles.	
>>	C212	ITEM NUMBER IDENTIFICATION	C
		Goods identification for a specified source.	
	7140	Item number	C an..35
		A number allocated to a group or item.	
	7143	Item number type, coded	C an..3
		Identification of the type of item number.	
		VP	Vendor's (seller's) part number
			Reference number assigned by a vendor/seller identifying an article.
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		92	Assigned by buyer or buyer's agent

Segment: **PIA** Additional Product Id
Position: 1030
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 25
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.

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT ID. FUNCTION QUALIFIER	M an..3
			Indication of the function of the product code.	
			1 Additional identification	
			Information which specifies and qualifies product identifications.	
M	C212		ITEM NUMBER IDENTIFICATION	M
			Goods identification for a specified source.	
		7140	Item number	C an..35
			A number allocated to a group or item.	
		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			BP Buyer's part number	
			Reference number assigned by the buyer to identify an article.	
		1131	Code list qualifier	C an..3
			Identification of a code list.	
		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
		7140	Item number	C an..35
			A number allocated to a group or item.	
		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			AB Assembly	
		1131	Code list qualifier	C an..3
			Identification of a code list.	
		3055	Code list responsible agency, coded	C an..3

Code identifying the agency responsible for a code list.

Segment: **QTY** Quantity
Position: 1060
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 99
Purpose: A segment identifying the product quantities e.g. ordered quantity.

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS	M
			Quantity information in a transaction, qualified when relevant.	
M		6063	Quantity qualifier	M an..3
			Code giving specific meaning to a quantity.	
			21 Ordered quantity	
			The quantity which has been ordered.	
M		6060	Quantity	M n..15
			Numeric value of a quantity.	
		6411	Measure unit qualifier	C an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	

Group: **PRI** Segment Group 32: Price Details
Position: 1280
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 25
Purpose: A group of segments identifying the relevant pricing information for the goods or services ordered.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	1290	PRI	Price Details	M	1	

Segment: **PRI** Price Details
Position: 1290 (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'.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C509		PRICE INFORMATION Identification of price type, price and related details.	C
M		5125	Price qualifier Identification of a type of price. AAA Calculation net The price stated is the net price including allowances/charges. Allowances/charges may be stated for information only.	M an..3
		5118	Price The monetary value associated with a purchase or sale of an article, product or service.	C n..15
		5375	Price type, coded Code identifying the type of price of an item. CT Contract PE Per each	C an..3
		5284	Unit price basis Basis on which the unit price/rate applies.	C n..9
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	C an..3

Group: **RFF** Segment Group 33: Reference
Position: 1340
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments giving references and where necessary, their dates, relating to the line item.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	1350	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 1350 (Trigger Segment)
Group: Segment Group 33 (Reference) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M
M		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. LI Line item reference number (1156) Reference number identifying a particular line in a document.	M an..3
		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6

Group: **SCC** Segment Group 53: Scheduling Conditions
Position: 2030
Group: Segment Group 28 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 100
Purpose: A group of segments specifying requested delivery schedules relating to quantities, frequencies, and dates, required for the line item, where this is different to or not specified within the heading section.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	2040	SCC	Scheduling Conditions	M	1	
	2070		Segment Group 54: Quantity	C		10

Segment: **SCC** **Scheduling Conditions**
Position: 2040 (Trigger Segment)
Group: Segment Group 53 (Scheduling Conditions) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: 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.

Data Element Summary

Data		Component	
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	4017	DELIVERY PLAN STATUS INDICATOR, CODED	M an..3
		Code indicating the level of commitment of schedule information.	
		1	Firm Indicates that the scheduling information is a firm commitment.

Group: **QTY** Segment Group 54: Quantity
Position: 2070
Group: Segment Group 53 (Scheduling Conditions) Conditional (Required)
Level: 3
Usage: Conditional (Required)
Max Use: 10
Purpose: A group of segments to specify the scheduled quantities, date/time details of the schedule and where required the reference of the schedule.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	2080	QTY	Quantity	M	1	
Must Use	2090	DTM	Date/Time/Period	C	5	

Segment: **QTY** Quantity
Position: 2080 (Trigger Segment)
Group: Segment Group 54 (Quantity) Conditional (Required)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify pertinent quantities relating to the schedule and pattern established in the SCC segment e.g. delivery quantity.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS	M
			Quantity information in a transaction, qualified when relevant.	
M		6063	Quantity qualifier	M an..3
			Code giving specific meaning to a quantity.	
		21	Ordered quantity	
			The quantity which has been ordered.	
M		6060	Quantity	M n..15
			Numeric value of a quantity.	
		6411	Measure unit qualifier	C an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	

Segment: **DTM** **Date/Time/Period**
Position: 2090
Group: Segment Group 54 (Quantity) Conditional (Required)
Level: 4
Usage: Conditional (Required)
Max Use: 5
Purpose: A segment indicating the date/time details relating to the quantity and schedule details in the SCC/QTY segments. This segment may be repeated to indicate date/time ranges, e.g. start and end dates for a delivery pattern, or delivery window.

Data Element Summary

Data		Component	
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507	DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
M	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		10	Shipment date/time, requested
			Date on which goods should be shipped or despatched by the supplier.
		2380	Date/time/period C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
M	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

Segment: **UNS** Section Control
Position: 2260
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment placed at the start of the summary section to avoid segment collision.

Data Element Summary

Data Component			
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	0081	SECTION IDENTIFIER	M a1
		A character identifying the next section in a message.	
		S	Detail/summary section separation
			To qualify the segment UNS, when separating the detail from the summary section of a message.

Segment: **UNT** Message Trailer
Position: 2330
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>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 n..6
M	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M an..14