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

<div style="text-align: right">

Functional Group ID=PO

</div>

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:

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

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat

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

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	**M**	**ID 3/3**

Code uniquely identifying a Transaction Set

    850   Purchase Order

	Ref. Des.	Data Element	Name	Attributes	
M	ST02	329	**Transaction Set Control Number**	**M**	**AN 4/9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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

	Ref. Des.	Data Element	Name	Attributes		
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

	Ref. Des.	Data Element	Name	Attributes
M	CUR01	98	**Entity Identifier Code**	**M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

    BY   Buying Party (Purchaser)

	Ref. Des.	Data Element	Name	Attributes
M	CUR02	100	**Currency Code**	**M ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

USD

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. Des.	Data Element	Name	Attributes	
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

Ref. Des.	Data Element	Name	Attributes
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

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

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. Des.	Data Element	Name	Attributes
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	

	Ref. Des.	Data Element	Name	Attributes
	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

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information**	M AN 1/55
			Address information	
	N302	166	**Address Information**	O AN 1/55
			Address information	

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

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

	Ref. Des.	Data Element	Name		Attributes
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

	Ref. Des.	Data Element	Name		Attributes
	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

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Data Element Summary

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Ref. Des.	Data Element	Name	Attributes
PO101	350	**Assigned Identification**	O AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Ref. Des.	Data Element	Name	Attributes
PO102	330	**Quantity Ordered**	X R 1/15

Quantity ordered

Ref. Des.	Data Element	Name	Attributes
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

Ref. Des.	Data Element	Name	Attributes
PO104	212	**Unit Price**	X R 1/17

Price per unit of product, service, commodity, etc.

Ref. Des.	Data Element	Name	Attributes
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

Ref. Des.	Data Element	Name	Attributes
PO107	234	**Product/Service ID**	X AN 1/48

Identifying number for a product or service

Ref. Des.	Data Element	Name	Attributes
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

Ref. Des.	Data Element	Name	Attributes
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

	Ref. Des.	Data Element	Name	Attributes	
M	SCH01	380	**Quantity**	M	**R 1/15**
			Numeric value of quantity		
M	SCH02	355	**Unit or Basis for Measurement Code**	M	**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		
M	SCH05	374	**Date/Time Qualifier**	M	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			010 Requested Ship		
M	SCH06	373	**Date**	M	**DT 8/8**
			Date expressed as CCYYMMDD		
	SCH07	337	**Time**	O	**TM 4/8**
			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)		

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

Ref. Des.	Data Element	Name	Attributes
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

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

	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

	Ref. Des.	Data Element	Name	Attributes
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

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

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:

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

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

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

	Data Element	Component Element	Name		Attributes
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

	Data Element	Component Element	Name	Attributes
>>	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.

	Data Element	Component Element	Name	Attributes
>>	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

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 Element	Component Element	Name	Attributes
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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0120	NAD	Name and Address	M	1	

	Segment:	$\mathbf{NAD}$ 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

	Data Element	Component Element	Name		Attributes
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

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

	Data Element	Component Element	Name		Attributes	
>>	C504		**CURRENCY DETAILS**		C	
			The usage to which a currency relates.			
M		6347	**Currency details qualifier**		M	an..3
			Specification of the usage to which the currency relates.			
			2	Reference currency		
				The currency applicable to amounts stated. It may have to be converted.		
		6345	**Currency, coded**		C	an..3
			Identification of the name or symbol of the monetary unit involved in the transaction.			
		6343	**Currency qualifier**		C	an..3
			Code giving specific meaning to data element 6345 Currency.			
			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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: 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 Element	Component Element	Name	Attributes	
>>	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 Element	Component Element	Name	Attributes	
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.

	Data Element	Component Element	Name	Attributes	
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 Element	Component Element	Name		Attributes
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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
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

	Data Element	Component Element	Name		Attributes	
>>	**C509**		**PRICE INFORMATION**		**C**	
			Identification of price type, price and related details.			
M		**5125**	**Price qualifier**		**M**	**an..3**
			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.		
		5118	**Price**		**C**	**n..15**
			The monetary value associated with a purchase or sale of an article, product or service.			
		5375	**Price type, coded**		**C**	**an..3**
			Code identifying the type of price of an item.			
			CT	Contract		
			PE	Per each		
		5284	**Unit price basis**		**C**	**n..9**
			Basis on which the unit price/rate applies.			
		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:** | **RFF** Segment Group 33: Reference | | | | |

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

	Data Element	Component Element	Name	Attributes
M	C506		REFERENCE	M
			Identification of a reference.	
M		1153	Reference qualifier	M an..3
			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.

		1156	Line number	C an..6
			Number of the line in the document/message referenced in 1154 Reference number.	

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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
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 Element	Component Element	Name	Attributes
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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
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

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