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.

Notes:

For Mack Manufacturing purchase orders, this transaction set will be utilized to communicate contractual information regarding part, price and revision level as a blanket order. The 830 release transaction will communicate order quantities and shipping dates.

Mack aftermarket (VPNA) will also use the 850 as a blanket order containing only the contractual information. They will utilize the same process as our manufacturing sector by issuing quantities and ship dates on the 830 transaction.

The only "Stand-Along" orders that are complete as an 850 will be order numbers prefixed with CSX, XP, SRVS, SRVXX, SM, SE, SN, SS, SRE, SRV, SRVQ, SRVR, SRVPK, SRVFK.
Mack will continue to utilize the 850 as a "stand-alone" order for Expense orders and other specific type purchase orders.
Please see the 850 sample documents on our web page for a breakdown of PO prefixes using the stand-alone 850.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	BEG	Beginning Segment for Purchase Order	M	1		
6	040	CUR	Currency	O	1		
7	060	PER	Administrative Communications Contact	M	3		
8	070	TAX	Tax Reference	O	>1		
9	080	FOB	F.O.B. Related Instructions	O	>1		
10	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
11	150	DTM	Date/Time Reference	O	10		
12	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - N1			200	
13	310	N1	Name	M	1		
14	330	N3	Address Information	O	2		
15	340	N4	Geographic Location	O	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments

			LOOP ID - PO1			100000	
16	010	PO1	Baseline Item Data	M	1		n1
18	090	PO4	Item Physical Details	O	>1		
19	170	TAX	Tax Reference	O	>1		
			LOOP ID - SCH			200	
20	295	SCH	Line Item Schedule	M	1		n2
			LOOP ID - PKG			200	
21	305	PKG	Marking, Packaging, Loading	M	1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
22	010	CTT	Transaction Totals	M	1		n3
23	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:		**ST** Transaction Set Header			

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
Syntax Notes:
Semantic Notes: 1   The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

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*		
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			
Syntax Notes:				
Semantic Notes:	**1**	BEG05 is the date assigned by the purchaser to purchase order.		
Comments:				
Notes:	**MACK WILL UTILIZE CODES '00', '01', '02' AND '04' FOR ALL PURCHASE ORDERS.** **IT IS IMPORTANT TO NOTE THAT CHANGES ARE ISSUED ON THE 850 TRANSACTION AND DEFINED BY CODING THIS FIELD WITH '04'. PLEASE ENSURE THAT YOUR SYSTEMS AND/OR PERSONNEL ARE AWARE OF THESE CODES AND THEIR SUBSEQUENT EFFECT. SEE NOTES ON BEG01.**			

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*
		ORIGINAL ISSUE OF P.O. **MANUFACTURING = BLANKET WITH NO QUANTITY OR DATES, BUT DOES SHOW P.O. CONTRACT INFORMATION. WILL BE FOLLOWED BY 830 TRANSACTION SHOWING RELEASE DATES AND QUANTITIES.** **SERVICE = STAND-ALONE ORDER SHOWING QUANTITY AND SHIP DATE.**
01		*Cancellation*
		CANCELS OUT AN EXISTING PURCHASE ORDER.
02		*Add*
		ADDS A NEW LINE TO AN EXISTING PURCHASE ORDER.
04		*Change*
		INDICATES A CHANGE TO THE ORIGINAL PURCHASE ORDER. **MANUFACTURING = INDICATES A CHANGE TO THE EXISTING P.O. CONTRACT. (I.E. PRICE, REV LEVEL, ETC.) WILL BE FOLLOWED WITH 830 TRANSACTIONS.** **SERVICE = INDICATES A CHANGE TO THE ORIGINAL P.O. CONTRACT, SHIPPING DATE OR QUANTITY.**

M	BEG02	92	**Purchase Order Type Code**	M ID 2/2

Code specifying the type of Purchase Order

			BE	*Blanket Order/Estimated Quantities (Not firm Commitment)*		
			SA	*Stand-alone Order*		
M	BEG03	324	**Purchase Order Number**		M	**AN 9/9**
			Identifying number for Purchase Order assigned by the orderer/purchaser			
	BEG04	328	**Release Number**		O	**AN 1/30**
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction			
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		

Syntax Notes:
1. If CUR08 is present, then CUR07 is required.
2. If CUR09 is present, then CUR07 is required.
3. If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. If CUR11 is present, then CUR10 is required.
5. If CUR12 is present, then CUR10 is required.
6. If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. If CUR14 is present, then CUR13 is required.
8. If CUR15 is present, then CUR13 is required.
9. If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. If CUR17 is present, then CUR16 is required.
11. If CUR18 is present, then CUR16 is required.
12. If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. If CUR20 is present, then CUR19 is required.
14. If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments:
1. See Figures Appendix for examples detailing the use of the CUR segment.

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)***		
M	CUR02	100	**Currency Code**	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
			UTILIZED FOR NON US CURRENCY ONLY		

Segment:		**PER** Administrative Communications Contact			

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Mandatory
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1   If either PER03 or PER04 is present, then the other is required.
             2   If either PER05 or PER06 is present, then the other is required.
             3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

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*		
	PER02	**93**	**Name**	**O**	**AN 1/60**
			Free-form name		

Segment:	**TAX** Tax Reference
Position:	070
Loop:	
Level:	Heading
Usage:	Optional (Recommended)
Max Use:	>1
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Syntax Notes:	1	At least one of TAX01 or TAX03 is required.
	2	If either TAX02 or TAX03 is present, then the other is required.
	3	If either TAX04 or TAX05 is present, then the other is required.
	4	If either TAX06 or TAX07 is present, then the other is required.
	5	If either TAX08 or TAX09 is present, then the other is required.
	6	If either TAX10 or TAX11 is present, then the other is required.

Semantic Notes:

Comments:	1	Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
	2	TAX01 is required if tax exemption is being claimed.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TAX01	**325**	**Tax Identification Number**	**X AN 1/3**

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

REPRESENTS THE CODE FOR TAX STATUS OF PURCHASE ORDER INFORMATION AS PER TRADING PARTNER AGREEMENT

Segment:	**FOB** F.O.B. Related Instructions		
Position:	080		
Loop:			
Level:	Heading		
Usage:	Optional (Recommended)		
Max Use:	>1		
Purpose:	To specify transportation instructions relating to shipment		
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.	
	2	If FOB04 is present, then FOB05 is required.	
	3	If FOB07 is present, then FOB06 is required.	
	4	If FOB08 is present, then FOB09 is required.	
Semantic Notes:	1	FOB01 indicates which party will pay the carrier.	
	2	FOB02 is the code specifying transportation responsibility location.	
	3	FOB06 is the code specifying the title passage location.	
	4	FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FOB01	146	**Shipment Method of Payment**	M ID 2/2
			Code identifying payment terms for transportation charges	
			DF ***Defined by Buyer and Seller***	

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale	
Position:	130	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify terms of sale	
Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1	ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD01	**336**	**Terms Type Code**	**O**	**ID 2/2**
		Code identifying type of payment terms		
		01	*Basic*	
ITD02	**333**	**Terms Basis Date Code**	**O**	**ID 1/2**
		Code identifying the beginning of the terms period		
		3	*Invoice Date*	
ITD03	**338**	**Terms Discount Percent**	**O**	**R 1/6**
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD05	**351**	**Terms Discount Days Due**	**X**	**N0 1/3**
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD07	**386**	**Terms Net Days**	**O**	**N0 1/3**
		Number of days until total invoice amount is due (discount not applicable)		

	Segment:	**DTM** Date/Time Reference
	Position:	150
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	10
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
		2 If DTM04 is present, then DTM03 is required.
		3 If either DTM05 or DTM06 is present, then the other is required.
	Semantic Notes:	
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			007 *Effective*		
	DTM02	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		

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

Syntax Notes:
1. At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2. If TD502 is present, then TD503 is required.
3. If TD507 is present, then TD508 is required.
4. If TD510 is present, then TD511 is required.
5. If TD513 is present, then TD512 is required.
6. If TD514 is present, then TD513 is required.
7. If TD515 is present, then TD512 is required.

Semantic Notes:
1. TD515 is the country where the service is to be performed.

Comments:
1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

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

    O   *Origin Carrier (Air, Motor, or Ocean)*

Ref. Des.	Data Element	Name	Attributes
TD505	**387**	**Routing**	**X** **AN 1/35**

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Segment:		**N1** Name	
Position:		310	
Loop:		N1 Mandatory	
Level:		Heading	
Usage:		Mandatory	
Max Use:		1	
Purpose:		To identify a party by type of organization, name, and code	
Syntax Notes:		1 At least one of N102 or N103 is required.	
		2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
		2 N105 and N106 further define the type of entity in N101.	

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	
			BT *Bill-to-Party*	
			MI *Planning Schedule/Material Release Issuer*	
			ST *Ship To*	
			SU *Supplier/Manufacturer*	
	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	

'MI' WILL ASSUME THE PURCHASING DEPARTMENT CODE (100)
'ST' WILL ASSUME THE MACK PLANT LOCATION CODE OR DISTRIBUTOR CODE
'SU' WILL ASSUME THE SUPPLIER NINE DIGIT SUPPLIER CODE
'BT' WILL ASSUME THE MACK DUNS NUMBER '042321117'

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

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 Mandatory
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

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:	**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
Syntax Notes:	1　If PO103 is present, then PO102 is required.
	2　If PO105 is present, then PO104 is required.
	3　If either PO106 or PO107 is present, then the other is required.
	4　If either PO108 or PO109 is present, then the other is required.
	5　If either PO110 or PO111 is present, then the other is required.
	6　If either PO112 or PO113 is present, then the other is required.
	7　If either PO114 or PO115 is present, then the other is required.
	8　If either PO116 or PO117 is present, then the other is required.
	9　If either PO118 or PO119 is present, then the other is required.
	10　If either PO120 or PO121 is present, then the other is required.
	11　If either PO122 or PO123 is present, then the other is required.
	12　If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	1　See the Data Element Dictionary for a complete list of IDs.
	2　PO101 is the line item identification.
	3　PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
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*		
		FT　　　　*Foot*		
		GA　　　　*Gallon*		
		LB　　　　*Pound*		
PO104	212	**Unit Price**	X	**R 1/17**
		Price per unit of product, service, commodity, etc.		
		Application Value List:		
		0.		
		0.0		
		0.00		
		0.000		
		0.0000		
PO105	639	**Basis of Unit Price Code**	O	**ID 2/2**
		Code identifying the type of unit price for an item		
		CT　　　　*Contract*		
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*		
PO107	234	**Product/Service ID**	X	**AN 1/25**

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)

    VP   Vendor's (Seller's) Part Number

| **PO109** | **234** | **Product/Service ID** | **X** | **AN 1/6** |

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)

    PD   Part Number Description

| **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)

    EC   Engineering Change Level

| **PO113** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

| **PO114** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

    DR   Drawing Revision Number

| **PO115** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

Segment:	**PO4** Item Physical Details		
Position:	090		
Loop:	PO1 Mandatory		
Level:	Detail		
Usage:	Optional (Recommended)		
Max Use:	>1		
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item		
Syntax Notes:	1	If either PO402 or PO403 is present, then the other is required.	
	2	If PO405 is present, then PO406 is required.	
	3	If either PO406 or PO407 is present, then the other is required.	
	4	If either PO408 or PO409 is present, then the other is required.	
	5	If PO410 is present, then PO413 is required.	
	6	If PO411 is present, then PO413 is required.	
	7	If PO412 is present, then PO413 is required.	
	8	If PO413 is present, then at least one of PO410 PO411 or PO412 is required.	
	9	If PO417 is present, then PO416 is required.	
	10	If PO418 is present, then PO404 is required.	
Semantic Notes:	1	PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.	
	2	PO416 is the package identifier or the beginning package identifier in a range of identifiers.	
	3	PO417 is the ending package identifier in a range of identifiers.	
	4	PO418 is the number of packages in this layer.	
Comments:	1	PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".	
	2	PO413 defines the unit of measure for PO410, PO411, and PO412.	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO408	385	**Gross Volume per Pack**	**X**	**R 1/9**
		Numeric value of gross volume per pack		
		QUANTITY OF PARTS WITHIN EACH SPECIFIED PACKAGE		
PO409	355	**Unit or Basis for Measurement Code**	**X**	**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*		
PO410	82	**Length**	**X**	**R 1/8**
		Largest horizontal dimension of an object measured when the object is in the upright position		
PO411	189	**Width**	**X**	**R 1/8**
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
PO412	65	**Height**	**X**	**R 1/8**
		Vertical dimension of an object measured when the object is in the upright position		
PO413	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		IN *Inch*		

Segment:	**TAX** Tax Reference
Position:	170
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Syntax Notes:	**1** At least one of TAX01 or TAX03 is required.
	2 If either TAX02 or TAX03 is present, then the other is required.
	3 If either TAX04 or TAX05 is present, then the other is required.
	4 If either TAX06 or TAX07 is present, then the other is required.
	5 If either TAX08 or TAX09 is present, then the other is required.
	6 If either TAX10 or TAX11 is present, then the other is required.
Semantic Notes:	
Comments:	**1** Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
	2 TAX01 is required if tax exemption is being claimed.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TAX01	**325**	**Tax Identification Number**	**X AN 1/3**

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

REPRESENTS THE TAX CODE IDENTIFIER FOR THE SPECIFIC LINE ITEM AS PER TRADING PARTNER AGREEMENT

Segment:	**SCH** Line Item Schedule				
Position:	295				
Loop:	SCH	Mandatory			
Level:	Detail				
Usage:	Mandatory				
Max Use:	1				
Purpose:	To specify the data for scheduling a specific line-item				
Syntax Notes:	1	If SCH03 is present, then SCH04 is required.			
	2	If SCH08 is present, then at least one of SCH09 or SCH10 is required.			
	3	If SCH09 is present, then SCH08 is required.			
	4	If SCH10 is present, then SCH08 is required.			
Semantic Notes:	1	SCH12 is the schedule identification.			
Comments:	1	SCH05 specifies the interpretation to be used for SCH06 and SCH07.			

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		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	SCH05	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			002 *Delivery Requested*		
			010 *Requested Ship*		
M	SCH06	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

Segment:	**PKG** Marking, Packaging, Loading		
Position:	305		
Loop:	PKG	Mandatory	
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To describe marking, packaging, loading, and unloading requirements		
Syntax Notes:	1	At least one of PKG04 PKG05 or PKG06 is required.	
	2	If PKG04 is present, then PKG03 is required.	
	3	If PKG05 is present, then PKG01 is required.	
Semantic Notes:	1	PKG04 should be used for industry-specific packaging description codes.	
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.	
	2	If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.	
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.	
	4	Special marking or tagging data can be given in PKG05 (description).	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PKG01	349	**Item Description Type**	**X ID 1/1**
		Code indicating the format of a description	
		F *Free-form*	
PKG05	352	**Description**	**X AN 1/80**
		A free-form description to clarify the related data elements and their content	

Segment:	**CTT** Transaction Totals			
Position:	010			
Loop:	CTT Mandatory			
Level:	Summary			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To transmit a hash total for a specific element in the transaction set			
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.			
	2 If either CTT05 or CTT06 is present, then the other is required.			
Semantic Notes:				
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.			

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	
			REFERS TO PO1 SEGMENTS	

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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

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		