850 Purchase Order

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Functional Group ID=PO

</div>

Introduction:

This Standard 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:

Revision history –
9/9/05 –
-Modified notes on BEG07 to reflect rules surrounding when an 855 is required back from a supplier

9/1/05 -
-Added condition to set BEG02 to DS when the N104 (ST) = 999 (customer drop ship)
-Added BEG07, to identify when Leslie's requires an 855 PO Ack message back

8/30/05 -
-Modified notes regarding ship to location codes

8/23/05 -
-Added PER at N1(ST) for telephone contact
-PO4 when inner pack quantities are greater than 1

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	040	CUR	Currency	O	1		
M	050	REF	Reference Identification	M	1		
	050	REF	Reference Identification	O	1		
	060	PER	Administrative Communications Contact	O	1		
	080	FOB	F.O.B. Related Instructions	O	1		
	110	CSH	Sales Requirements	O	1		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
	150	DTM	Date/Time Reference	O	4		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
			LOOP ID - N9			1	
	295	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	3		
			LOOP ID - N1			3	
	310	N1	Name	O	1		
	330	N3	Address Information	O	1		
	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	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1	
	050	PID	Product/Item Description	O	1		
	090	PO4	Item Physical Details	O	1		
			LOOP ID - SAC			25	
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	190	SDQ	Destination Quantity	O	500		
			LOOP ID - SCH			200	
	295	SCH	Line Item Schedule	O	1		n2

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n3
M	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			
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:	Dropship orders are special orders that will be shipped to directly to a customer residence. These are designated with a ship to location code (N1 ST) of '999'.			

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		
			DS Dropship		
			SA Stand-alone Order		
M	BEG03	324	**Purchase Order Number**	M	AN 1/10
			Identifying number for Purchase Order assigned by the orderer/purchaser		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
	BEG07	587	**Acknowledgment Type**	O	ID 2/2
			Code specifying the type of acknowledgment		
			- If AP then 855 Purchase Order Acknowledgement always required - If NA then 855 Purchase Order Acknowledgement required only if there is an exception to the purchase order		
			AP Acknowledge - Product Replenishment		
			NA No Acknowledgment Needed		

			Segment:	**CUR** Currency

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	

Segment:		**REF** Reference Identification		

Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                  2   If either C04003 or C04004 is present, then the other is required.
                  3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			IA Internal Vendor Number		
M	**REF02**	**127**	**Reference Identification**	**M**	**AN 1/6**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**REF** Reference Identification				

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			DP Department Number		
M	REF02	127	**Reference Identification**	M	AN 1/3
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	**Description**	O	AN 1/25
			A free-form description to clarify the related data elements and their content		

Segment:		**PER** Administrative Communications Contact			
Position:	060				
Loop:					
Level:	Heading				
Usage:	Optional				
Max Use:	1				
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		
M	PER02	93	**Name**	M	AN 1/60
			Free-form name		

Segment:		**FOB** F.O.B. Related Instructions		

Position: 080
Loop:
Level: Heading
Usage: Optional
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		
	FOB02	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
	FOB03	**352**	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		

Segment:	**CSH** Sales Requirements			
Position:	110			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify general conditions or requirements of the sale			
Syntax Notes:	1	If CSH02 is present, then CSH03 is required.		
	2	If either CSH06 or CSH07 is present, then the other is required.		
	3	If either CSH09 or CSH10 is present, then the other is required.		
Semantic Notes:	1	CSH03 is the maximum monetary amount value which the order must not exceed.		
	2	CSH04 is the account number to which the purchase amount is charged.		
	3	CSH05 is the date specified by the sender to be shown on the invoice.		
	4	CSH06 identifies the source of the code value in CSH07.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CSH01	563	**Sales Requirement Code**	M ID 1/2
			Code to identify a specific requirement or agreement of sale	
			N No Back Order	
			Y Back Order if Out of Stock	

	Segment:	SAC Service, Promotion, Allowance, or Charge Information

Position:	120
Loop:	SAC Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:		
	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
	8	If SAC16 is present, then SAC15 is required.

Semantic Notes:		
	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7	SAC16 is used to identify the language being used in SAC15.

Comments:		
	1	SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge

	Ref. Des.	Data Element	Name	Attributes
M	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M ID 4/4

Code identifying the service, promotion, allowance, or charge

A260	Advertising Allowance
C000	Defective Allowance
C310	Discount
D240	Freight
D500	Handling
E750	New Store Discount
F050	Other (See related description)
F280	Performance Allowance
H740	Tax - Sales and Use
I530	Volume Discount

			I570		Warehouse		
			ZZZZ		Mutually Defined		
M	**SAC05**	**610**	**Amount**			**M**	**N2 1/15**
			Monetary amount				
	SAC06	**378**	**Allowance/Charge Percent Qualifier**			**X**	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated				
			1		Item List Cost		
	SAC07	**332**	**Percent**			**X**	**R 1/6**
			Percent expressed as a percent				
	SAC15	**352**	**Description**			**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content				

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	
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		
ITD04	370	**Terms Discount Due Date**	X	DT 8/8
		Date payment is due if discount is to be earned expressed in format CCYYMMDD		
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		
ITD12	352	**Description**	O	AN 1/80
		A free-form description to clarify the related data elements and their content		

Segment:	**DTM** Date/Time Reference			

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 4
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		
			001 Cancel After		
			002 Delivery Requested		
			037 Ship Not Before		
			038 Ship No Later		
M	DTM02	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

	Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 1
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
M	TD505	387	Routing	M AN 1/35

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

		Segment:	**N9** Reference Identification

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
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N901	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			L1 Letters or Notes	
M	N903	369	**Free-form Description**	M AN 1/45
			Free-form descriptive text	

Segment:	**MSG** Message Text
Position:	300
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

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			

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.

Notes: Direct to customer orders will have a location code of 999
Store orders will have a location code ranging from 1 - 600
DC orders will have a location code ranging from 3000 - 6000

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
ST	Ship To
VN	Vendor

	Ref. Des.	Data Element	Name		Attributes
	N102	93	**Name**	X	AN 1/60

Free-form name

	Ref. Des.	Data Element	Name		Attributes
	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

	Ref. Des.	Data Element	Name		Attributes
	N104	67	**Identification Code**	X	AN 2/5

Code identifying a party or other code

Segment: **N3** **Address Information**
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
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 Optional	
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:		**PER** Administrative Communications Contact			

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
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:
Notes: This segment to be created under direct to customer scenario, where phone number is needed for carrier purposes.

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		
			IC Information Contact		
M	PER03	365	**Communication Number Qualifier**	M	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
M	PER04	364	**Communication Number**	M	AN 1/80
			Complete communications number including country or area code when applicable		

Segment:	**PO1** Baseline Item Data			

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
M	PO102	330	**Quantity Ordered**	M	R 1/15
			Quantity ordered		
M	PO103	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

4F	100-Pack
	Pack containing 100 units
BX	Box
CA	Case
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
HC	Hundred Count
IN	Inch
LB	Pound
P4	Four-pack
P6	Six pack
PD	Pad
PF	Pallet (Lift)
PK	Package
PR	Pair
RL	Roll
ST	Set
UZ	Fifty Count

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

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

| M | PO106 | 235 | **Product/Service ID Qualifier** | M | ID 2/2 |

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

   SK   Stock Keeping Unit (SKU)

| M | PO107 | 234 | **Product/Service ID** | M | AN 1/9 |

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 1/15 |

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)

   EN   European Article Number (EAN) (2-5-5-1)

   UK   U.P.C./EAN Shipping Container Code (1-2-5-5-1)

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

   UP   U.P.C. Consumer Package Code (1-5-5-1)

| | PO111 | 234 | **Product/Service ID** | X | AN 1/14 |

Identifying number for a product or service

Segment:	**PID** Product/Item Description		

Segment: **PID** Product/Item Description
Position: 050
Loop: PID   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1   If PID04 is present, then PID03 is required.
2   At least one of PID04 or PID05 is required.
3   If PID07 is present, then PID03 is required.
4   If PID08 is present, then PID04 is required.
5   If PID09 is present, then PID05 is required.
Semantic Notes:
1   Use PID03 to indicate the organization that publishes the code list being referred to.
2   PID04 should be used for industry-specific product description codes.
3   PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4   PID09 is used to identify the language being used in PID05.
Comments:
1   If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2   Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3   PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	**Item Description Type**	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
M	PID05	352	**Description**	M AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment:	**PO4** Item Physical Details		
Position:	090		
Loop:	PO1 Mandatory		
Level:	Detail		
Usage:	Optional		
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.

Notes: Use when inner pack quantity is greater than 1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO401	**356**	**Pack**	**O N0 1/6**
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	

Segment:		SAC	Service, Promotion, Allowance, or Charge Information	

Position:	130
Loop:	SAC Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
	8	If SAC16 is present, then SAC15 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7	SAC16 is used to identify the language being used in SAC15.
Comments:	1	SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			A Allowance		
M	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	SAC05	610	**Amount**	O	N2 1/15
			Monetary amount		
	SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
			1 Item List Cost		
	SAC07	332	**Percent**	X	R 1/6
			Percent expressed as a percent		
	SAC08	118	**Rate**	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		

| SAC09 | 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

4F	100-Pack
	Pack containing 100 units
BX	Box
CA	Case
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
HC	Hundred Count
IN	Inch
LB	Pound
P4	Four-pack
P6	Six pack
PD	Pad
PF	Pallet (Lift)
PK	Package
PR	Pair
RL	Roll
ST	Set
UZ	Fifty Count

| SAC10 | 380 | **Quantity** | **X** | **R 1/15** |

Numeric value of quantity

| SAC15 | 352 | **Description** | **X** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Segment:	**SDQ** Destination Quantity			

Segment: **SDQ** Destination Quantity

Position:	190
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	500
Purpose:	To specify destination and quantity detail

Syntax Notes:
1. If either SDQ05 or SDQ06 is present, then the other is required.
2. If either SDQ07 or SDQ08 is present, then the other is required.
3. If either SDQ09 or SDQ10 is present, then the other is required.
4. If either SDQ11 or SDQ12 is present, then the other is required.
5. If either SDQ13 or SDQ14 is present, then the other is required.
6. If either SDQ15 or SDQ16 is present, then the other is required.
7. If either SDQ17 or SDQ18 is present, then the other is required.
8. If either SDQ19 or SDQ20 is present, then the other is required.
9. If either SDQ21 or SDQ22 is present, then the other is required.

Semantic Notes:
1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:
1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
M SDQ01	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

4F	100-Pack
	Pack containing 100 units
BX	Box
CA	Case
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
HC	Hundred Count
IN	Inch
LB	Pound
P4	Four-pack
P6	Six pack
PD	Pad
PK	Package
PL	Pallet/Unit Load
PR	Pair
RL	Roll
ST	Set
UZ	Fifty Count

Ref. Des.	Data Element	Name	Attributes	
SDQ02	66	**Identification Code Qualifier**	O	ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

92	Assigned by Buyer or Buyer's Agent

M	SDQ03	67	**Identification Code**	M	AN 2/5
			Code identifying a party or other code		
M	SDQ04	380	**Quantity**	M	R 1/15
			Numeric value of quantity		
	SDQ05	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ06	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ07	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ08	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ09	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ10	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ11	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ12	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ13	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ14	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ15	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ16	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ17	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ18	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ19	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ20	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
	SDQ21	67	**Identification Code**	X	AN 2/5
			Code identifying a party or other code		
	SDQ22	380	**Quantity**	X	R 1/15
			Numeric value of quantity		

	Segment:	**SCH** Line Item Schedule			

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
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		

    4F   100-Pack
                Pack containing 100 units
    BX   Box
    CA   Case
    DZ   Dozen
    EA   Each
    FT   Foot
    GA   Gallon
    HC   Hundred Count
    IN   Inch
    LB   Pound
    P4   Four-pack
    P6   Six pack
    PD   Pad
    PF   Pallet (Lift)
    PK   Package
    PL   Pallet/Unit Load
    RL   Roll
    ST   Set
    UZ   Fifty Count

	Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name	Attributes	
M	SCH06	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

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			
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	

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	